



IES ROAD REPORT  
PHOTOMETRIC FILENAME : SC25C31X40U41K.IES

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] Q2015091801  
[TESTLAB] QSSI  
[MANUFAC] The Lighting Factory  
[ISSUEDATE] 9/18/2015  
[LUMCAT] SC25C31X40U41K  
[LUMINAIRE] SC25 WITH 40W COB  
[LAMPCAT] QSSI C3 40W COB  
[LAMP] QSSI C3 40W COB

**CHARACTERISTICS**

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3872
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	93
Total Luminaire Watts	41.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.03
Maximum Candela	1881.669
Maximum Candela Angle	340H 2.5V
Maximum Candela (<90 Degrees Vertical)	1881.669
Maximum Candela Angle (<90 Degrees Vertical)	340H 2.5V
Maximum Candela At 90 Degrees Vertical	29.182 (0.8% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	73.1 (1.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	554.1	N.A.	14.3
FM - Front-Medium (30-60)	954.7	N.A.	24.7
FH - Front-High (60-80)	305.3	N.A.	7.9
FVH - Front-Very High (80-90)	18.4	N.A.	0.5
BL - Back-Low (0-30)	588.3	N.A.	15.2
BM - Back-Medium (30-60)	968.7	N.A.	25.0
BH - Back-High (60-80)	343.3	N.A.	8.9
BVH - Back-Very High (80-90)	19.4	N.A.	0.5
UL - Uplight-Low (90-100)	25.9	N.A.	0.7
UH - Uplight-High (100-180)	94.4	N.A.	2.4
Total	3872.5	N.A.	100.0
BUG Rating	B2-U3-G1		

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**CANDELA TABULATION**

Vert. Angles	Horizontal Angles									
	0	10	20	30	40	50	60	70	80	90
0.0	1798.934	1798.934	1798.934	1798.934	1798.934	1798.934	1798.934	1798.934	1798.934	1798.934
2.5	1869.390	1841.941	1851.332	1847.720	1819.549	1823.883	1806.547	1805.103	1798.602	1781.266
5.0	1755.262	1724.202	1709.033	1680.139	1681.584	1664.970	1643.301	1659.192	1659.914	1654.858
7.5	1614.407	1621.631	1597.072	1584.070	1562.400	1544.341	1528.450	1529.895	1524.839	1571.790
10.0	1527.005	1523.394	1516.171	1482.221	1469.219	1435.775	1440.543	1438.809	1434.258	1474.998
12.5	1436.714	1441.626	1435.703	1424.507	1421.256	1407.749	1402.693	1385.501	1383.551	1407.099
15.0	1423.279	1407.388	1402.476	1376.183	1382.395	1361.303	1377.194	1372.571	1362.459	1360.147
17.5	1383.695	1365.637	1352.563	1343.678	1338.405	1359.353	1355.885	1358.558	1349.746	1330.532
20.0	1332.482	1307.417	1310.523	1308.212	1302.794	1309.512	1332.915	1346.568	1330.604	1285.747
22.5	1303.661	1304.817	1280.041	1279.174	1263.788	1259.455	1267.183	1269.784	1264.366	1243.852
25.0	1181.660	1186.860	1189.388	1172.341	1169.669	1173.281	1175.231	1189.316	1168.008	1149.227
27.5	1135.214	1112.460	1109.354	1111.449	1110.582	1108.632	1102.420	1108.632	1109.932	1122.501
30.0	1081.328	1082.267	1076.705	1076.994	1064.859	1065.581	1048.534	1060.525	1050.195	1102.998
32.5	1047.451	1046.223	1033.871	1028.598	1035.749	1033.365	1035.027	1038.494	1013.429	1064.714
35.0	988.870	982.730	987.642	989.014	973.340	976.879	978.252	980.852	974.351	1005.483
37.5	978.468	962.288	949.792	948.853	947.625	979.263	978.613	966.839	963.010	989.592
40.0	954.559	958.604	959.904	976.518	978.829	974.857	966.911	952.825	958.965	963.588
42.5	965.466	950.875	955.932	956.726	966.766	931.733	879.220	865.857	890.705	894.967
45.0	834.508	821.217	802.436	751.657	728.903	711.062	716.046	714.890	708.317	709.328
47.5	636.951	640.201	625.104	641.068	662.304	662.377	640.923	632.255	631.966	622.648
50.0	658.476	674.078	675.884	639.768	675.017	650.964	644.174	632.328	634.134	629.149
52.5	597.873	577.720	596.211	586.026	632.544	643.163	654.864	636.878	629.077	633.483
55.0	801.136	821.072	828.079	817.966	880.015	911.797	931.011	882.759	898.940	931.083
57.5	858.923	791.963	770.798	791.674	723.847	713.373	713.662	681.374	686.069	799.619
60.0	707.883	668.083	648.869	655.009	640.129	650.892	642.874	599.967	615.064	656.598
62.5	677.834	585.015	562.767	560.745	556.555	580.970	577.936	554.677	553.305	637.817
65.0	592.166	481.289	467.131	463.519	485.406	468.503	471.826	456.729	453.479	506.353
67.5	548.176	459.546	480.061	467.347	465.831	481.216	460.052	434.698	458.968	515.744
70.0	301.212	187.517	177.043	162.741	160.141	157.251	149.378	149.811	144.394	396.559
72.5	181.160	106.110	103.654	102.354	105.749	100.332	94.914	89.713	88.991	98.887
75.0	104.088	75.339	73.822	72.883	75.267	72.233	69.849	69.560	70.861	78.012
77.5	77.289	59.159	58.581	56.125	57.281	55.836	56.414	55.692	57.931	65.010
80.0	61.976	48.830	47.818	46.157	46.301	45.073	47.240	46.374	48.035	54.030
82.5	53.597	39.800	38.500	37.417	37.128	36.767	38.934	38.356	38.861	44.134
85.0	45.435	32.144	31.277	30.121	29.904	28.532	30.843	30.193	28.604	32.649
87.5	36.405	24.993	23.981	24.126	24.198	21.959	23.837	23.403	22.898	25.065
90.0	29.182	21.525	22.248	22.176	24.920	22.464	24.776	21.887	21.814	22.392
92.5	37.561	22.464	22.392	21.598	23.115	21.237	22.609	22.392	21.598	22.970
95.0	49.480	22.464	22.753	21.525	23.692	21.237	22.826	22.898	22.826	23.981
97.5	51.141	22.826	23.259	22.970	25.282	22.464	24.198	25.065	25.643	27.160
100.0	45.290	21.742	21.092	19.864	21.525	20.659	22.103	22.970	22.320	24.631
102.5	30.627	19.286	19.936	20.731	23.765	22.537	23.620	23.042	22.609	23.548
105.0	40.089	23.331	25.065	25.426	30.771	26.943	28.893	27.665	26.004	25.715
107.5	44.640	22.537	23.259	23.331	27.449	25.498	27.737	27.160	26.293	28.821
110.0	30.410	16.686	16.325	16.758	17.336	17.625	19.503	20.370	21.598	24.270
112.5	14.808	13.869	14.085	14.808	15.097	15.602	15.963	15.891	17.625	20.153
115.0	15.458	14.302	14.663	14.447	14.736	15.097	15.602	15.097	17.047	19.070
117.5	15.097	14.447	14.302	14.302	14.374	14.230	14.952	14.447	15.891	17.914
120.0	14.663	13.869	13.652	13.941	13.508	13.869	13.797	13.724	14.663	17.047
122.5	13.724	13.580	12.930	12.857	12.930	13.002	12.930	12.857	13.652	15.169
125.0	13.291	13.580	12.930	12.207	12.930	12.496	12.641	12.207	12.713	14.085
127.5	12.713	12.713	12.352	12.352	12.135	12.352	12.352	12.207	12.641	13.797
130.0	12.207	12.063	11.774	11.918	11.991	11.846	11.846	11.918	12.496	13.797

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<b>132.5</b>	13.074	12.785	12.424	12.352	12.857	13.002	14.591	15.313	15.241	17.625
<b>135.0</b>	20.081	22.898	22.826	25.065	28.965	32.722	33.299	36.044	35.539	41.245
<b>137.5</b>	50.057	53.019	51.502	52.441	54.464	55.692	53.958	50.202	50.780	52.369
<b>140.0</b>	41.967	39.728	38.428	36.550	33.661	32.505	26.726	25.282	23.909	23.765
<b>142.5</b>	14.447	13.652	13.363	13.435	13.435	13.363	12.424	11.846	12.424	12.569
<b>145.0</b>	12.569	12.063	11.991	11.991	12.063	11.702	12.063	12.135	12.063	12.496
<b>147.5</b>	11.630	11.846	10.474	9.824	9.968	9.101	8.740	8.668	9.101	9.824
<b>150.0</b>	8.379	8.379	8.307	8.235	8.162	8.162	8.018	8.090	8.162	8.307
<b>152.5</b>	9.318	9.318	9.318	9.246	9.174	9.246	9.101	9.174	9.174	8.812
<b>155.0</b>	10.690	10.763	10.763	10.835	10.690	10.763	10.618	10.618	10.690	9.679
<b>157.5</b>	12.280	12.352	12.352	12.280	12.424	12.207	12.207	12.280	12.135	10.907
<b>160.0</b>	13.724	13.797	13.797	13.724	13.724	13.797	13.652	13.797	13.580	12.063
<b>162.5</b>	14.880	14.880	14.808	14.880	14.880	14.736	14.808	14.808	14.736	13.219
<b>165.0</b>	15.675	15.675	15.675	15.675	15.675	15.675	15.675	15.602	15.602	14.302
<b>167.5</b>	16.180	16.180	16.180	16.252	16.180	16.252	16.325	16.180	16.108	15.097
<b>170.0</b>	16.397	16.397	16.469	16.469	16.469	16.541	16.541	16.469	16.325	15.747
<b>172.5</b>	16.397	16.397	16.397	16.397	16.469	16.541	16.541	16.541	16.469	16.180
<b>175.0</b>	16.325	16.325	16.325	16.325	16.325	16.325	16.397	16.541	16.469	16.541
<b>177.5</b>	16.469	16.469	16.397	16.397	16.397	16.397	16.469	16.614	16.686	16.758
<b>180.0</b>	16.614	16.614	16.614	16.614	16.614	16.614	16.614	16.614	16.614	16.614

**Vert. Horizontal Angles**

	<b>100</b>	<b>110</b>	<b>120</b>	<b>130</b>	<b>140</b>	<b>150</b>	<b>160</b>	<b>170</b>	<b>180</b>	<b>190</b>
<b>0.0</b>	1798.934	1798.934	1798.934	1798.934	1798.934	1798.934	1798.934	1798.934	1798.934	1798.934
<b>2.5</b>	1776.932	1755.262	1747.316	1737.203	1725.646	1713.367	1703.976	1696.031	1709.033	1706.866
<b>5.0</b>	1663.526	1643.301	1655.580	1659.192	1641.134	1641.134	1651.969	1668.582	1680.139	1688.085
<b>7.5</b>	1588.404	1607.906	1638.967	1656.303	1689.530	1712.644	1724.202	1724.924	1745.149	1745.149
<b>10.0</b>	1508.225	1568.901	1623.075	1664.970	1730.703	1760.318	1783.433	1783.433	1794.268	1796.435
<b>12.5</b>	1456.217	1519.060	1558.788	1633.188	1680.862	1717.701	1749.483	1731.425	1764.652	1775.487
<b>15.0</b>	1402.765	1456.217	1489.444	1523.394	1592.015	1634.633	1630.299	1592.015	1598.516	1623.075
<b>17.5</b>	1350.035	1409.988	1412.155	1443.938	1495.945	1509.670	1493.056	1418.656	1357.980	1411.433
<b>20.0</b>	1326.920	1351.479	1370.260	1365.926	1415.767	1468.497	1370.982	1311.751	1279.969	1298.749
<b>22.5</b>	1272.023	1318.974	1319.697	1306.695	1334.866	1422.990	1362.314	1266.967	1255.409	1247.464
<b>25.0</b>	1186.788	1265.522	1262.633	1259.743	1285.747	1406.376	1347.868	1243.130	1236.629	1243.852
<b>27.5</b>	1155.006	1187.510	1185.343	1167.285	1178.120	1300.194	1246.019	1158.617	1142.726	1175.953
<b>30.0</b>	1108.776	1142.004	1121.778	1115.277	1106.609	1178.120	1149.949	1087.829	1094.330	1090.718
<b>32.5</b>	1082.050	1076.994	1056.046	1066.881	1074.827	1119.611	1108.776	1082.773	1093.608	1095.775
<b>35.0</b>	1032.209	1023.542	993.926	1020.652	1029.320	1082.050	1043.044	1009.095	1023.542	1050.990
<b>37.5</b>	965.033	959.254	973.701	953.476	963.588	1002.594	976.590	959.977	970.811	991.037
<b>40.0</b>	947.697	913.747	910.858	916.637	935.417	955.643	914.470	920.971	939.029	944.808
<b>42.5</b>	944.085	907.247	891.355	898.578	892.800	883.410	866.796	899.301	927.472	886.299
<b>45.0</b>	763.503	823.456	878.353	880.520	847.293	902.912	919.526	868.241	906.524	901.468
<b>47.5</b>	595.922	623.371	720.163	787.340	811.899	856.683	868.241	825.623	826.345	845.848
<b>50.0</b>	639.984	632.761	601.701	578.586	575.697	641.429	690.547	617.592	623.371	678.268
<b>52.5</b>	639.262	652.986	658.043	675.379	634.928	575.697	564.862	591.588	594.478	587.254
<b>55.0</b>	871.130	662.377	580.031	639.262	681.157	681.157	640.707	632.761	621.204	634.928
<b>57.5</b>	816.955	850.905	868.241	838.625	764.225	672.489	734.610	744.000	773.615	718.718
<b>60.0</b>	738.221	697.771	727.386	798.897	864.629	836.458	849.460	892.078	861.017	891.355
<b>62.5</b>	685.491	594.478	597.367	616.147	603.146	590.144	600.256	617.592	603.146	630.594
<b>65.0</b>	562.695	516.466	538.858	539.580	488.295	493.351	507.076	536.691	517.911	525.856
<b>67.5</b>	506.353	403.060	431.953	437.010	483.961	496.241	460.847	457.957	434.843	460.124
<b>70.0</b>	395.837	370.555	379.223	266.179	388.614	392.948	392.225	400.171	379.223	380.668
<b>72.5</b>	124.313	92.458	95.636	94.986	96.070	95.709	98.887	112.250	119.762	119.401
<b>75.0</b>	94.047	71.150	70.716	71.150	69.849	68.260	69.560	75.772	76.350	77.145
<b>77.5</b>	79.456	59.592	59.953	60.098	59.014	57.859	59.592	64.071	63.782	64.504

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**CANDELA TABULATION - (Cont.)**

<b>80.0</b>	64.071	49.480	49.263	50.274	48.757	47.385	48.396	52.152	51.791	53.236
<b>82.5</b>	52.658	41.390	40.739	41.678	39.873	38.645	40.017	42.473	41.534	43.845
<b>85.0</b>	41.245	32.433	33.299	33.299	33.010	30.843	32.360	32.938	31.999	34.816
<b>87.5</b>	30.988	24.704	25.209	25.354	24.848	23.909	24.993	24.126	22.320	25.209
<b>90.0</b>	26.221	22.970	24.993	24.270	22.176	22.609	22.248	18.925	18.564	20.153
<b>92.5</b>	28.099	24.415	24.270	24.487	23.259	23.187	23.187	21.381	20.948	21.887
<b>95.0</b>	29.254	24.993	24.487	23.837	23.042	22.970	22.392	20.225	21.164	21.381
<b>97.5</b>	34.672	27.449	26.654	26.365	26.798	25.859	24.198	20.442	18.347	21.670
<b>100.0</b>	29.832	23.259	22.392	21.887	21.670	20.586	18.130	14.880	13.797	18.058
<b>102.5</b>	30.049	22.970	22.248	22.248	21.598	21.598	18.419	14.302	10.474	17.625
<b>105.0</b>	34.238	25.787	25.137	25.209	24.415	22.103	20.659	16.036	10.402	18.130
<b>107.5</b>	45.435	28.749	28.243	29.543	27.593	25.209	22.898	16.397	10.546	19.358
<b>110.0</b>	31.060	21.164	20.659	20.803	18.925	17.480	15.675	12.207	9.607	14.085
<b>112.5</b>	19.358	17.336	16.252	15.963	14.158	13.291	12.135	11.702	8.740	13.219
<b>115.0</b>	18.419	17.047	15.963	15.097	13.869	12.569	11.918	10.185	7.729	13.146
<b>117.5</b>	17.191	15.602	15.313	14.519	13.508	11.918	11.557	9.029	7.079	11.557
<b>120.0</b>	15.963	15.024	14.952	13.869	13.580	11.702	11.991	7.946	6.573	10.474
<b>122.5</b>	14.736	14.013	13.941	13.580	13.146	11.774	12.063	7.007	6.357	10.402
<b>125.0</b>	13.580	13.580	13.074	13.074	13.002	12.496	12.424	7.368	6.429	11.268
<b>127.5</b>	13.652	13.941	13.435	14.447	15.819	16.180	14.880	7.296	6.573	10.618
<b>130.0</b>	13.869	15.747	19.142	24.054	29.760	28.243	32.577	7.368	6.862	15.891
<b>132.5</b>	22.609	32.794	43.195	53.669	57.786	55.908	55.114	9.751	7.729	26.654
<b>135.0</b>	47.529	56.920	61.470	58.075	45.723	41.678	44.496	13.146	7.873	26.293
<b>137.5</b>	48.757	40.234	25.715	18.347	14.085	13.797	13.652	7.440	6.718	10.257
<b>140.0</b>	21.598	14.663	13.219	12.641	12.063	12.569	11.485	7.512	6.934	9.174
<b>142.5</b>	13.002	12.280	12.280	12.135	11.991	12.207	10.618	7.946	7.584	9.679
<b>145.0</b>	13.002	13.074	13.580	13.652	13.291	14.302	12.352	8.235	7.873	9.607
<b>147.5</b>	9.318	9.246	9.101	9.101	9.246	9.174	9.101	8.596	8.523	9.029
<b>150.0</b>	8.235	8.235	8.235	8.162	8.018	8.018	7.873	7.873	8.018	7.946
<b>152.5</b>	8.812	8.740	8.740	8.740	8.740	8.668	8.668	8.668	8.596	8.668
<b>155.0</b>	9.751	9.679	9.679	9.679	9.679	9.679	9.751	9.679	9.679	9.751
<b>157.5</b>	10.835	10.907	10.835	10.979	10.907	10.907	10.979	10.907	10.907	10.835
<b>160.0</b>	11.991	12.063	12.135	12.207	12.135	12.135	12.207	12.207	12.135	12.207
<b>162.5</b>	13.219	13.291	13.291	13.219	13.291	13.291	13.363	13.363	13.291	13.363
<b>165.0</b>	14.230	14.302	14.302	14.302	14.302	14.302	14.230	14.374	14.302	14.302
<b>167.5</b>	15.097	15.169	15.097	15.097	15.024	15.097	15.097	15.169	15.097	15.097
<b>170.0</b>	15.747	15.819	15.819	15.747	15.747	15.747	15.675	15.747	15.747	15.675
<b>172.5</b>	16.252	16.180	16.180	16.108	16.108	16.180	16.108	16.108	16.108	16.108
<b>175.0</b>	16.541	16.469	16.397	16.397	16.397	16.469	16.397	16.397	16.397	16.397
<b>177.5</b>	16.758	16.686	16.614	16.614	16.614	16.614	16.541	16.541	16.614	16.614
<b>180.0</b>	16.614	16.614	16.614	16.614	16.614	16.614	16.614	16.614	16.614	16.614

**Vert. Angles**      **Horizontal Angles**

	<u>200</u>	<u>210</u>	<u>220</u>	<u>230</u>	<u>240</u>	<u>250</u>	<u>260</u>	<u>270</u>	<u>280</u>	<u>290</u>
<b>0.0</b>	1798.934	1798.934	1798.934	1798.934	1798.934	1798.934	1798.934	1798.934	1798.934	1798.934
<b>2.5</b>	1711.200	1726.369	1726.369	1750.928	1768.986	1774.765	1796.435	1801.491	1823.161	1839.774
<b>5.0</b>	1691.697	1666.415	1665.693	1699.642	1711.922	1724.924	1763.207	1759.596	1764.652	1776.932
<b>7.5</b>	1732.147	1725.646	1670.749	1660.636	1641.134	1636.800	1646.912	1633.910	1633.188	1634.633
<b>10.0</b>	1787.767	1772.598	1739.370	1676.528	1641.134	1605.017	1594.182	1559.510	1535.673	1531.339
<b>12.5</b>	1768.986	1772.598	1754.540	1659.914	1623.075	1553.732	1527.728	1426.168	1440.326	1413.239
<b>15.0</b>	1651.246	1684.473	1655.580	1610.073	1538.563	1521.227	1447.549	1425.807	1410.421	1399.297
<b>17.5</b>	1510.392	1563.844	1533.506	1478.609	1453.328	1456.217	1378.206	1396.986	1377.122	1387.090
<b>20.0</b>	1375.316	1434.547	1458.384	1404.209	1358.703	1391.208	1317.530	1338.405	1347.290	1369.249
<b>22.5</b>	1331.976	1409.988	1373.872	1344.978	1331.254	1332.699	1293.693	1319.841	1354.441	1379.072
<b>25.0</b>	1316.085	1379.650	1303.083	1303.083	1315.363	1301.639	1229.406	1255.482	1262.272	1251.798

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : SC25C31X40U41K.IES**

**CANDELA TABULATION - (Cont.)**

27.5	1274.190	1308.140	1207.736	1216.404	1204.124	1222.905	1199.068	1197.262	1182.310	1153.778
30.0	1192.567	1201.957	1113.110	1128.279	1134.780	1156.450	1175.953	1124.234	1087.829	1096.280
32.5	1118.889	1123.945	1076.994	1095.052	1097.942	1109.499	1136.225	1068.615	1062.981	1062.403
35.0	1066.881	1075.549	1058.213	1040.877	1059.658	1093.608	1093.608	1039.144	1030.476	1036.327
37.5	1010.540	1002.594	1005.483	1010.540	1035.821	1046.656	1043.044	992.409	984.030	992.481
40.0	956.365	982.369	976.590	987.425	983.091	984.536	993.926	960.410	977.818	966.189
42.5	887.744	898.578	912.303	957.087	967.922	980.202	949.142	974.929	970.017	978.685
45.0	911.580	902.912	918.804	908.691	907.969	957.810	918.081	872.575	834.291	856.972
47.5	892.800	918.804	922.415	849.460	799.619	779.394	749.779	681.229	642.874	684.408
50.0	725.219	723.052	712.940	682.602	621.926	579.309	647.930	727.675	711.278	705.355
52.5	594.478	593.033	570.641	607.480	624.093	658.043	700.660	708.822	692.209	695.748
55.0	638.540	623.371	651.542	657.320	630.594	620.481	637.817	754.907	731.792	752.740
57.5	681.880	651.542	691.992	736.054	786.617	823.456	918.804	949.936	906.958	904.213
60.0	861.017	913.747	923.860	918.081	853.794	790.229	811.899	763.647	721.824	723.197
62.5	658.765	676.823	707.883	710.050	688.380	676.823	758.446	696.326	657.248	669.022
65.0	541.025	544.637	557.639	564.862	557.639	564.862	646.485	562.334	536.402	538.641
67.5	468.792	471.682	491.907	510.687	496.963	479.627	556.916	455.935	449.795	463.736
70.0	378.501	372.000	403.782	388.614	375.612	387.169	477.460	346.574	306.701	333.500
72.5	114.634	116.295	121.713	123.663	126.769	140.638	207.020	137.315	124.602	139.121
75.0	72.450	73.750	76.567	78.590	81.912	83.429	111.889	85.741	75.122	77.867
77.5	59.087	60.315	62.698	64.215	66.165	67.899	90.219	68.260	60.820	61.615
80.0	49.335	49.624	52.730	52.008	54.247	57.064	73.100	56.558	50.346	50.924
82.5	40.378	40.306	42.906	42.690	43.918	46.085	58.364	46.012	40.739	41.173
85.0	32.216	33.010	35.539	35.105	35.250	37.128	47.024	37.417	33.444	33.950
87.5	25.570	25.282	27.304	26.726	26.726	28.965	35.611	27.810	26.510	26.365
90.0	20.225	20.081	20.948	21.598	20.586	21.525	24.415	20.514	19.503	20.948
92.5	22.609	22.826	22.970	22.826	22.031	22.681	27.737	21.742	21.092	22.031
95.0	23.042	23.187	22.681	22.320	22.970	22.753	28.171	21.092	20.442	20.875
97.5	24.559	25.065	24.415	24.343	23.837	24.559	31.783	22.753	21.525	22.464
100.0	21.525	23.476	23.620	24.559	24.848	26.221	34.961	24.343	22.826	23.620
102.5	19.864	21.309	22.031	21.453	20.731	21.814	27.376	21.381	19.864	20.009
105.0	21.309	23.259	24.270	23.403	22.826	23.692	30.338	22.753	21.092	21.164
107.5	23.331	25.065	27.665	27.737	28.243	29.616	41.245	27.593	24.631	25.643
110.0	16.541	19.142	22.248	22.537	22.826	25.137	34.744	25.282	22.681	23.548
112.5	12.713	14.158	15.458	15.747	17.047	17.842	20.297	19.070	16.397	15.675
115.0	12.496	13.508	14.880	15.313	15.675	15.747	19.142	19.936	15.530	14.808
117.5	12.063	12.857	14.158	14.374	15.097	14.952	17.769	18.708	15.169	15.097
120.0	12.063	13.146	13.941	13.941	14.374	14.591	15.891	16.325	13.941	13.724
122.5	12.207	13.291	14.158	14.013	14.013	14.230	15.675	15.241	13.508	13.508
125.0	12.785	13.869	14.447	14.374	14.158	14.519	15.169	14.591	13.146	13.797
127.5	16.614	17.119	15.169	14.447	13.869	13.435	14.013	13.291	12.352	12.930
130.0	33.516	34.455	28.388	21.164	15.963	14.519	14.302	13.363	12.496	13.002
132.5	59.376	64.432	59.664	49.480	31.710	21.887	17.842	15.747	14.519	14.447
135.0	39.367	47.602	57.570	62.626	58.581	47.818	35.033	25.787	20.731	20.442
137.5	12.857	15.313	18.203	28.749	48.613	53.308	58.148	51.574	46.229	46.229
140.0	12.352	12.857	13.002	13.580	15.602	22.248	33.805	39.150	42.401	42.979
142.5	12.569	13.869	13.508	13.074	13.074	13.941	15.747	17.047	17.769	17.842
145.0	14.158	14.808	14.085	13.652	13.219	12.785	12.930	13.146	13.002	13.074
147.5	12.785	12.857	12.785	13.508	12.930	12.713	13.291	13.363	13.724	13.724
150.0	8.018	8.162	8.523	8.885	9.101	9.101	9.174	9.029	8.885	8.740
152.5	8.668	8.740	8.668	8.668	8.812	8.812	8.885	9.390	9.390	9.246
155.0	9.679	9.535	9.679	9.607	9.679	9.607	9.679	10.763	10.763	10.690
157.5	10.835	10.835	10.835	10.763	10.690	10.763	10.763	12.424	12.352	12.207
160.0	12.135	12.063	11.918	11.991	11.918	11.846	11.991	13.724	13.724	13.652
162.5	13.291	13.219	13.219	13.146	13.146	13.219	13.146	14.808	14.808	14.808
165.0	14.302	14.230	14.230	14.230	14.158	14.230	14.230	15.675	15.675	15.675

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : SC25C31X40U41K.IES**

**CANDELA TABULATION - (Cont.)**

<b>167.5</b>	15.169	15.024	15.097	15.097	15.024	15.024	15.097	16.252	16.180	16.180
<b>170.0</b>	15.747	15.675	15.675	15.675	15.675	15.675	15.747	16.469	16.469	16.469
<b>172.5</b>	16.108	16.108	16.036	16.036	16.036	16.036	16.108	16.397	16.397	16.397
<b>175.0</b>	16.397	16.397	16.397	16.325	16.325	16.325	16.397	16.252	16.325	16.325
<b>177.5</b>	16.541	16.541	16.541	16.541	16.541	16.541	16.686	16.541	16.469	16.469
<b>180.0</b>	16.614	16.614	16.614	16.614	16.614	16.614	16.614	16.614	16.614	16.614

**Vert. Horizontal Angles**  
**Angles**

	<b>300</b>	<b>310</b>	<b>320</b>	<b>330</b>	<b>340</b>	<b>350</b>	<b>360</b>
<b>0.0</b>	1798.934	1798.934	1798.934	1798.934	1798.934	1798.934	1798.934
<b>2.5</b>	1857.110	1876.613	1870.112	1874.446	1881.669	1875.168	1869.390
<b>5.0</b>	1790.656	1794.990	1802.935	1786.322	1807.270	1729.980	1755.262
<b>7.5</b>	1625.242	1632.466	1632.466	1622.353	1641.134	1625.242	1614.407
<b>10.0</b>	1503.169	1521.227	1495.945	1529.895	1532.784	1531.339	1527.005
<b>12.5</b>	1442.204	1423.423	1406.593	1427.541	1482.221	1440.543	1436.714
<b>15.0</b>	1366.793	1383.045	1409.844	1437.581	1431.441	1440.904	1423.279
<b>17.5</b>	1396.914	1368.382	1387.596	1418.512	1409.555	1402.042	1383.695
<b>20.0</b>	1371.560	1380.661	1352.346	1365.131	1357.402	1355.380	1332.482
<b>22.5</b>	1365.276	1362.314	1348.807	1327.065	1325.187	1305.395	1303.661
<b>25.0</b>	1271.879	1211.781	1214.020	1183.971	1185.271	1174.725	1181.660
<b>27.5</b>	1134.853	1124.523	1110.077	1112.533	1104.876	1131.674	1135.214
<b>30.0</b>	1069.554	1061.969	1061.753	1071.865	1060.091	1063.053	1081.328
<b>32.5</b>	1073.382	1034.304	1054.529	1054.602	1038.060	1042.611	1047.451
<b>35.0</b>	1040.227	1011.479	1021.519	1004.978	988.292	992.987	988.870
<b>37.5</b>	975.579	978.974	978.396	950.731	935.851	943.002	978.468
<b>40.0</b>	961.638	962.649	950.442	958.243	973.990	947.769	954.559
<b>42.5</b>	963.083	974.423	976.373	970.161	946.325	911.075	965.466
<b>45.0</b>	885.793	863.762	829.163	827.790	835.664	815.366	834.508
<b>47.5</b>	668.516	680.507	660.354	655.298	682.963	668.733	636.951
<b>50.0</b>	716.624	714.312	715.034	678.340	677.762	665.916	658.476
<b>52.5</b>	655.876	656.237	637.528	612.464	616.075	602.640	597.873
<b>55.0</b>	744.433	732.515	768.631	769.065	794.274	810.599	801.136
<b>57.5</b>	888.321	897.567	893.667	872.213	857.767	823.312	858.923
<b>60.0</b>	711.640	700.588	687.658	691.559	688.814	677.907	707.883
<b>62.5</b>	690.403	668.444	659.559	677.979	620.337	660.426	677.834
<b>65.0</b>	546.081	538.930	539.942	536.980	519.283	520.439	592.166
<b>67.5</b>	453.912	444.594	445.316	431.664	456.585	438.599	548.176
<b>70.0</b>	317.536	294.566	272.318	284.887	248.915	243.642	301.212
<b>72.5</b>	144.683	136.954	134.426	119.690	115.067	123.013	181.160
<b>75.0</b>	79.529	75.267	78.156	75.772	79.167	78.517	104.088
<b>77.5</b>	60.387	59.809	59.231	58.220	59.303	62.193	77.289
<b>80.0</b>	50.057	50.491	49.335	48.035	49.552	51.141	61.976
<b>82.5</b>	40.162	39.873	39.150	38.645	39.439	42.401	53.597
<b>85.0</b>	32.794	32.866	32.505	33.010	33.083	35.033	45.435
<b>87.5</b>	27.593	27.304	26.510	25.787	26.148	27.593	36.405
<b>90.0</b>	19.792	21.092	21.020	20.948	21.887	23.115	29.182
<b>92.5</b>	20.803	22.970	22.176	22.753	23.403	24.487	37.561
<b>95.0</b>	20.659	22.970	21.742	22.898	23.042	25.643	49.480
<b>97.5</b>	21.525	25.282	22.826	23.476	23.620	27.954	51.141
<b>100.0</b>	21.670	24.487	22.392	22.320	22.609	25.209	45.290
<b>102.5</b>	18.781	19.864	18.203	18.636	19.142	20.803	30.627
<b>105.0</b>	20.370	21.887	20.297	21.670	21.887	23.909	40.089
<b>107.5</b>	22.609	26.004	23.476	22.176	23.981	25.065	44.640
<b>110.0</b>	20.948	23.115	18.636	17.914	18.925	19.647	30.410
<b>112.5</b>	15.169	14.808	14.158	13.652	13.797	14.158	14.808

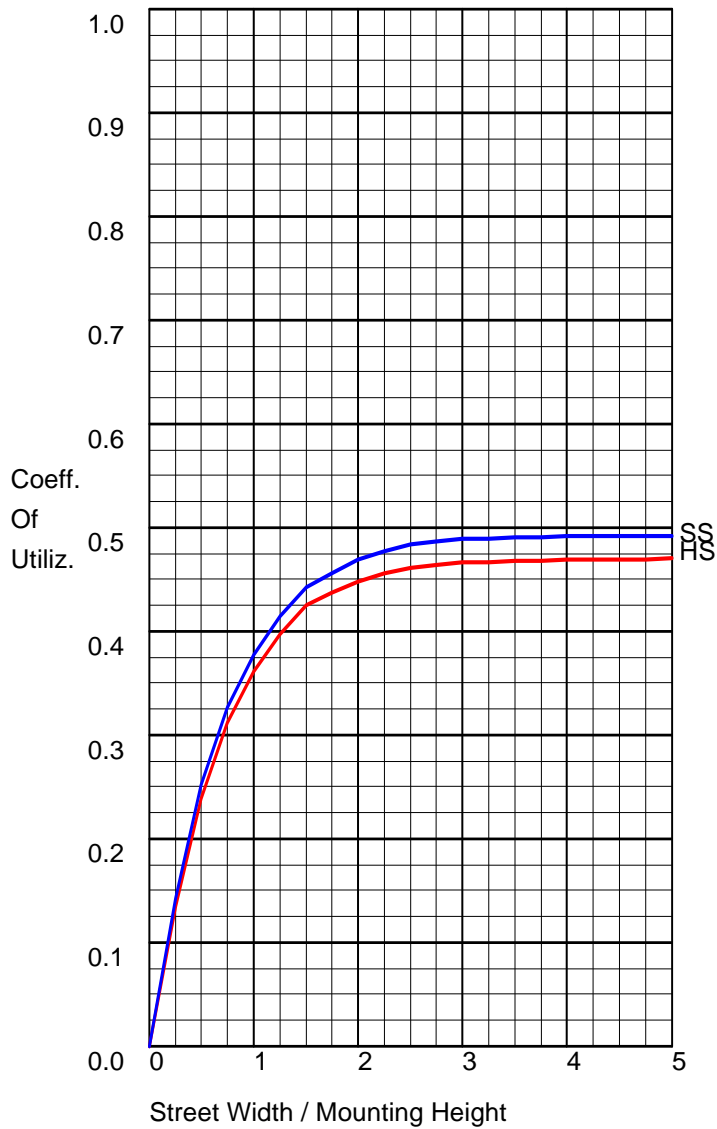
**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : SC25C31X40U41K.IES**

**CANDELA TABULATION - (Cont.)**

<b>115.0</b>	14.591	14.447	14.663	14.013	13.797	14.952	15.458
<b>117.5</b>	14.880	15.097	15.458	14.663	14.736	15.097	15.097
<b>120.0</b>	14.085	14.158	14.447	13.724	13.724	14.302	14.663
<b>122.5</b>	13.869	13.797	13.508	12.785	13.291	13.797	13.724
<b>125.0</b>	13.508	13.074	12.713	12.424	13.146	13.363	13.291
<b>127.5</b>	12.569	12.352	12.063	12.641	13.074	12.785	12.713
<b>130.0</b>	12.496	12.063	11.846	11.702	12.207	11.991	12.207
<b>132.5</b>	14.013	13.508	13.508	12.930	13.219	13.363	13.074
<b>135.0</b>	21.020	19.936	21.814	19.864	20.081	20.803	20.081
<b>137.5</b>	47.240	45.290	47.024	46.085	47.313	49.696	50.057
<b>140.0</b>	44.784	40.378	41.751	43.484	42.473	42.690	41.967
<b>142.5</b>	18.925	18.058	16.036	16.686	15.819	15.530	14.447
<b>145.0</b>	13.074	12.641	12.352	12.135	12.135	12.207	12.569
<b>147.5</b>	12.785	12.207	12.063	12.207	12.207	12.063	11.630
<b>150.0</b>	8.523	8.451	8.379	8.379	8.379	8.379	8.379
<b>152.5</b>	9.318	9.318	9.246	9.246	9.246	9.318	9.318
<b>155.0</b>	10.690	10.618	10.690	10.618	10.690	10.835	10.690
<b>157.5</b>	12.207	12.135	12.280	12.207	12.280	12.352	12.280
<b>160.0</b>	13.724	13.580	13.724	13.652	13.724	13.797	13.724
<b>162.5</b>	14.880	14.736	14.736	14.808	14.880	14.808	14.880
<b>165.0</b>	15.675	15.602	15.602	15.602	15.675	15.602	15.675
<b>167.5</b>	16.180	16.108	16.108	16.180	16.180	16.180	16.180
<b>170.0</b>	16.325	16.397	16.397	16.397	16.397	16.397	16.397
<b>172.5</b>	16.397	16.397	16.397	16.397	16.397	16.397	16.397
<b>175.0</b>	16.397	16.397	16.397	16.397	16.325	16.397	16.325
<b>177.5</b>	16.469	16.469	16.541	16.541	16.469	16.469	16.469
<b>180.0</b>	16.614	16.614	16.614	16.614	16.614	16.614	16.614



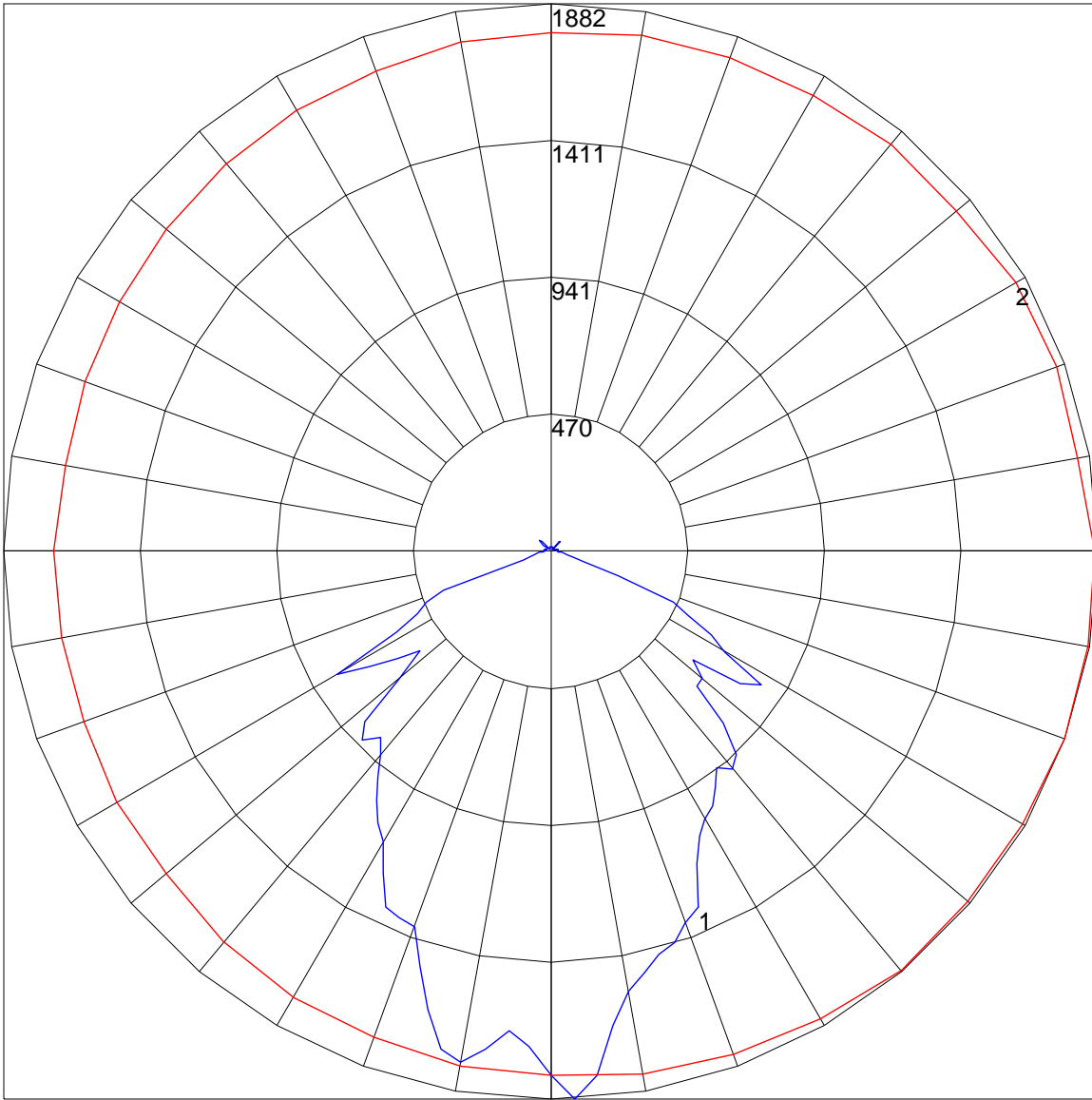
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

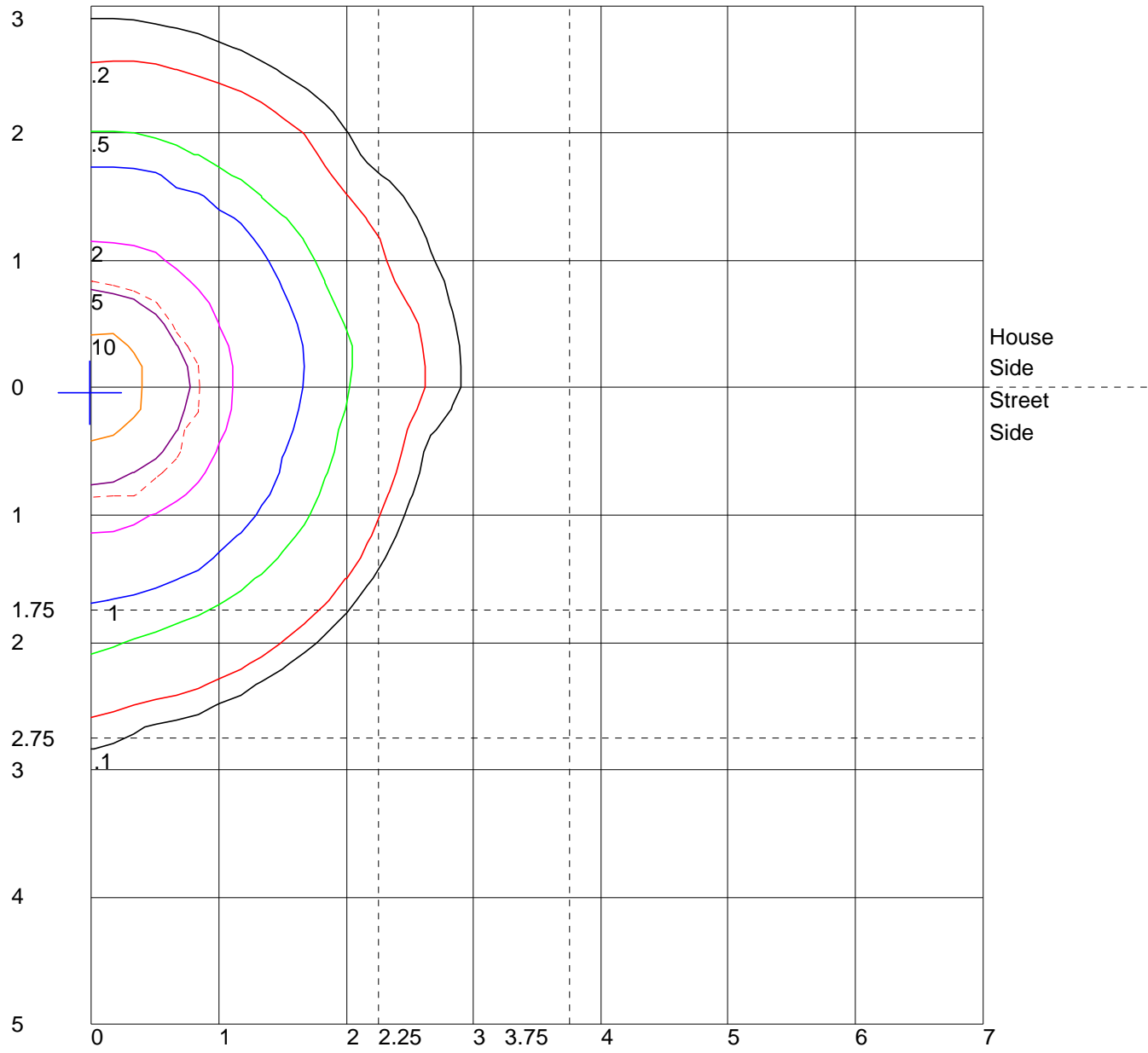
	Lumens	Percent Of Luminaire
Downward Street Side	1832.4	47.3
Downward House Side	1919.7	49.6
Downward Total	3752.1	96.9
Upward Street Side	60.3	1.6
Upward House Side	60.0	1.5
Upward Total	120.3	3.1
<b>Total Flux</b>	<b>3872.4</b>	<b>100.0</b>

POLAR GRAPH



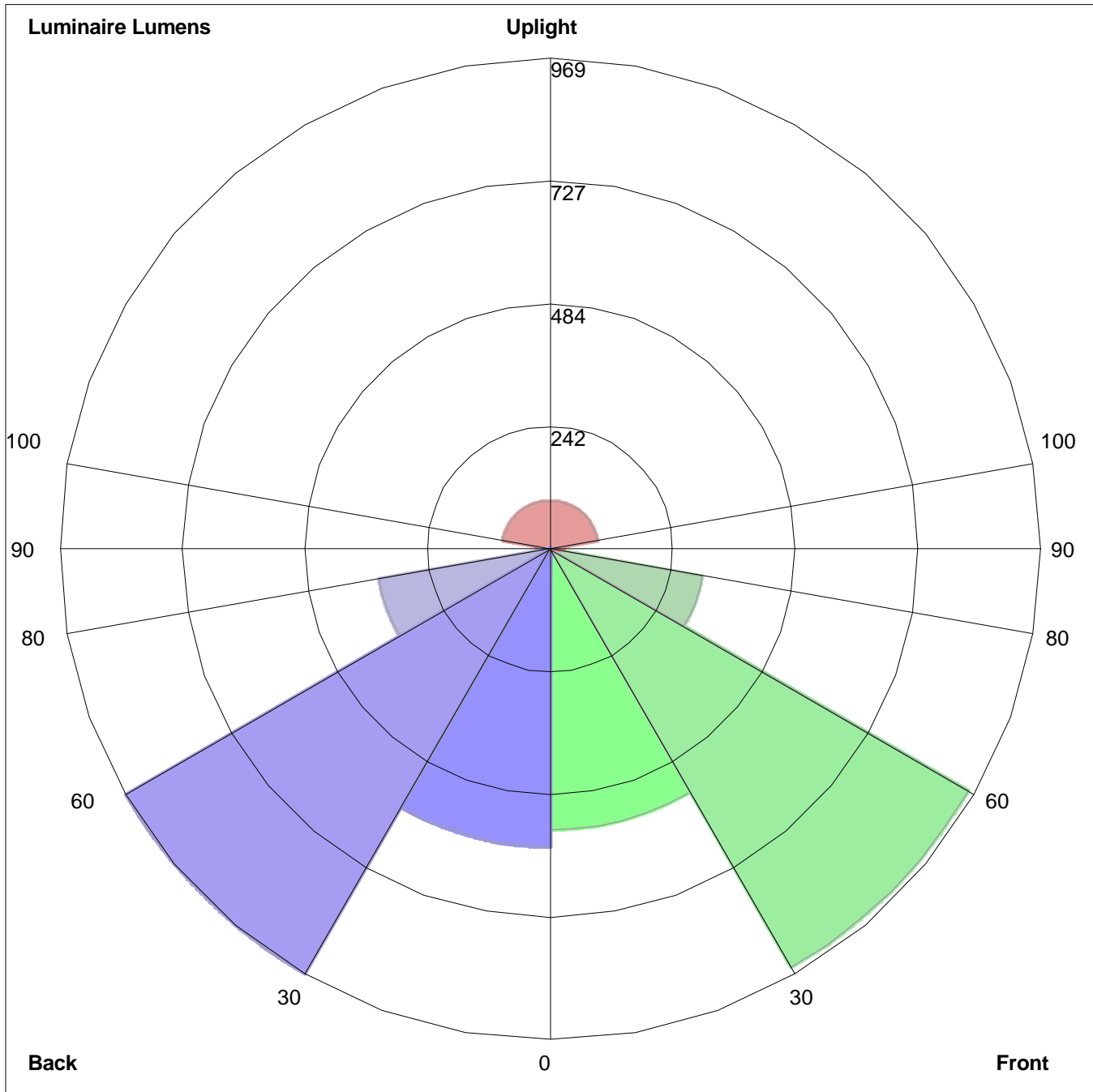
Maximum Candela = 1881.669 Located At Horizontal Angle = 340, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (340 - 160) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height  
 Values Based On 10 Foot Mounting Height  
 1/2 Maximum Candela Trace Shown As Dashed Curve  
 (+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=554.1, Medium=954.7, High=305.3, Very High=18.4  
Back: Low=588.3, Medium=968.7, High=343.3, Very High=19.4  
Uplight: Low=25.9, High=94.4

BUG Rating : B2-U3-G1