

# EYELITE™

from EYE Lighting

## IES ROAD REPORT

PHOTOMETRIC FILENAME : BWP-L5-740-W-UNV-N-XX.IES

## DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-79-08  
[TEST] QC-2237 TEMPERATURE REPORT NO :QC-021413-05  
[TESTLAB] GRANDLITE  
[TESTDATE] 2014-05-13  
[ISSUE DATE] 2014-05-13 12:17:24  
[LAMP POSITION] 0,0  
[OTHER] EVERFINE GO-R3000(2M3D) SYSTEM  
[MANUFAC] EYELITE  
[LUMCAT] BWP-L5-740-W-UNV-N-XX  
[LUMINAIRE] WITH FRAME, GLASS, HEAT SINK.  
[LAMP] 2\*CITIZEN CLL032-1208A5-50AL7C8 5000K  
[BALLAST] 2\*LP1040-48-C0700  
[TEMPERATURE] 25.5 TEST 08:00~~~12:30

## CHARACTERISTICS

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5589
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	55.6
Ballast Factor	0.97
Upward Waste Light Ratio	0.21
Maximum Candela	2641.92
Maximum Candela Angle	310H 50V
Maximum Candela (<90 Degrees Vertical)	2641.92
Maximum Candela Angle (<90 Degrees Vertical)	310H 50V
Maximum Candela At 90 Degrees Vertical	1694.61 (30.3% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1735.14 (31.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	468.7	N.A.	8.4
FM - Front-Medium (30-60)	1704.2	N.A.	30.5
FH - Front-High (60-80)	1151.3	N.A.	20.6
FVH - Front-Very High (80-90)	548.7	N.A.	9.8
BL - Back-Low (0-30)	189.7	N.A.	3.4
BM - Back-Medium (30-60)	264.5	N.A.	4.7
BH - Back-High (60-80)	79.3	N.A.	1.4
BVH - Back-Very High (80-90)	18.2	N.A.	0.3
UL - Uplight-Low (90-100)	406.0	N.A.	7.3
UH - Uplight-High (100-180)	758.6	N.A.	13.6
Total	5589.2	N.A.	100.0
BUG Rating	B1-U4-G4		

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**CANDELA TABULATION**

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>10</u>	<u>20</u>	<u>30</u>	<u>40</u>	<u>50</u>	<u>60</u>	<u>70</u>	<u>80</u>	<u>90</u>
0	921.449	921.449	921.449	921.449	921.449	921.449	921.449	921.449	921.449	921.449
5	1067.670	1045.340	1056.580	1036.430	1046.600	1033.260	1026.560	936.650	909.920	946.150
10	1173.280	1176.570	1170.340	1118.620	1113.220	1084.110	1069.150	1061.800	961.000	934.500
15	1159.440	1192.060	1194.040	1263.320	1208.120	1171.230	1098.400	1059.830	1008.020	915.780
20	1208.440	1171.300	1178.610	1301.720	1197.270	1230.580	1139.840	1053.620	1005.730	862.030
25	1441.650	1267.750	1267.430	1312.210	1196.520	1160.660	1149.480	1022.340	963.200	788.580
30	1950.150	1895.130	1896.580	1645.950	1324.030	1144.600	1062.900	968.540	909.480	738.240
35	1894.600	1807.360	1900.240	2059.430	1888.910	1269.950	1104.800	939.260	854.590	663.430
40	2594.710	2459.280	2363.220	1999.530	2022.470	1746.100	1166.800	977.260	856.780	639.700
45	2115.330	2349.670	2311.140	2275.050	2247.370	1904.970	1591.540	1172.080	893.470	581.440
50	1442.770	1642.230	1659.200	1871.410	1908.080	2044.960	1750.060	1191.500	684.830	387.850
55	1425.830	1348.340	1301.060	1432.750	1368.660	1741.870	1813.360	1147.170	587.110	364.870
60	1561.270	1522.140	1415.320	1270.340	1245.340	1102.820	1713.100	987.350	577.000	356.170
65	1570.570	1539.770	1467.850	1311.820	1204.440	1152.120	1039.710	853.450	565.570	314.790
70	1697.410	1653.900	1530.280	1385.590	1151.180	1230.720	929.340	795.010	588.200	248.150
75	1739.120	1693.820	1614.620	1445.120	1204.220	1212.740	869.620	671.610	528.100	194.150
80	1735.140	1717.570	1631.380	1486.880	1253.070	1160.380	756.100	507.680	474.860	144.480
85	1705.130	1711.000	1676.980	1531.640	1212.100	979.940	611.900	415.250	336.680	97.910
90	1645.210	1694.610	1570.930	1380.070	956.520	804.540	529.480	376.150	219.880	71.780
95	1332.840	1395.920	1186.150	1014.770	773.810	699.030	436.640	323.580	153.940	61.640
100	944.030	985.790	855.300	781.750	639.300	584.210	338.960	241.940	106.690	60.990
105	725.990	751.440	672.440	620.190	506.850	435.920	261.610	172.400	95.640	62.660
110	572.680	580.270	528.780	499.690	422.930	350.570	245.940	147.460	100.340	58.180
115	457.200	472.690	437.610	421.260	338.900	307.410	219.900	149.350	84.070	36.380
120	384.170	396.930	367.800	366.310	311.440	313.540	224.360	132.870	79.870	27.580
125	333.950	264.360	358.450	344.840	322.880	315.820	215.760	123.040	92.640	26.720
130	354.880	228.800	366.850	355.490	356.120	311.550	272.280	177.180	82.110	25.000
135	636.610	413.670	403.280	554.660	576.810	471.300	389.420	209.910	62.290	18.260
140	785.200	725.470	600.720	693.250	600.060	481.410	272.460	148.540	50.530	12.400
145	528.010	545.930	330.700	422.720	351.790	288.530	191.030	116.240	34.950	10.530
150	352.700	359.660	208.730	192.800	241.990	218.430	162.660	65.840	15.890	4.820
155	289.240	281.130	188.460	167.130	154.610	173.800	63.200	42.870	9.050	0.120
160	192.060	214.100	166.880	114.780	72.610	52.850	51.680	22.700	4.340	0.000
165	74.670	74.780	67.530	49.540	48.290	40.530	16.020	0.640	1.880	0.000
170	50.430	54.850	47.850	41.770	16.480	1.170	1.170	0.930	0.440	0.000
175	0.000	0.000	0.000	10.560	0.000	0.520	0.470	1.110	0.300	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles	Horizontal Angles									
	<u>100</u>	<u>110</u>	<u>120</u>	<u>130</u>	<u>140</u>	<u>150</u>	<u>160</u>	<u>170</u>	<u>180</u>	<u>190</u>
0	921.449	921.449	921.449	921.449	921.449	921.449	921.449	921.449	921.449	921.449
5	937.930	844.110	803.710	778.570	784.400	733.110	757.780	660.320	730.150	648.190
10	836.440	786.230	733.140	661.210	680.590	577.070	574.200	589.000	598.490	581.710
15	775.410	685.960	674.940	576.130	485.690	339.410	314.680	270.430	282.480	268.330
20	703.900	663.580	563.050	345.810	279.820	253.520	234.140	213.240	217.310	210.880
25	620.090	551.090	405.100	290.240	238.300	217.790	227.640	206.170	198.180	191.920
30	543.980	413.790	339.660	249.240	223.340	230.280	222.020	311.400	279.360	309.310
35	502.520	325.200	296.790	216.450	202.640	322.440	331.850	316.930	326.640	283.640
40	426.970	278.400	228.840	192.800	240.360	310.250	283.710	189.030	200.360	173.680
45	354.960	229.680	189.980	191.090	276.270	208.540	153.190	125.190	137.770	135.820
50	271.920	189.670	173.760	206.310	195.130	157.030	115.550	91.650	102.280	90.830
55	218.890	162.420	154.840	186.010	151.560	105.350	80.690	72.440	76.460	71.120

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**CANDELA TABULATION - (Cont.)**

60	187.390	155.500	133.320	146.780	130.390	67.080	71.790	59.320	69.490	64.450
65	171.020	144.870	113.390	111.700	81.900	49.740	44.340	29.770	36.320	34.010
70	157.850	122.590	90.430	92.240	41.230	22.900	15.790	0.560	2.950	0.300
75	144.120	100.840	71.010	48.850	22.690	6.140	0.000	0.000	0.000	0.790
80	114.970	73.100	48.060	28.090	15.690	3.280	0.390	0.590	0.280	1.130
85	86.080	58.630	41.340	25.450	12.430	3.290	1.170	2.140	2.660	5.370
90	73.520	49.220	38.320	21.290	11.620	4.480	2.690	3.760	3.710	6.580
95	59.820	41.750	34.720	17.280	8.170	3.760	3.640	2.980	4.930	6.150
100	51.510	39.710	29.690	13.430	8.260	2.960	3.720	4.230	6.130	6.840
105	45.280	32.690	24.500	11.710	5.260	2.030	2.250	3.420	6.100	6.060
110	39.180	28.700	21.910	10.450	3.180	1.720	1.850	3.010	4.350	5.260
115	35.010	26.680	16.630	10.020	3.390	2.590	1.530	1.890	3.780	3.690
120	29.540	21.170	12.180	9.270	4.630	4.120	1.900	3.150	3.660	4.220
125	28.050	15.670	9.730	7.240	7.020	7.470	4.600	3.550	3.630	4.670
130	22.560	12.330	7.990	5.540	6.280	7.070	6.010	5.580	3.370	4.630
135	13.620	9.360	4.340	4.790	4.750	8.190	9.970	8.830	6.740	4.950
140	7.410	7.370	3.120	3.160	2.590	6.170	7.990	7.550	8.150	9.200
145	1.760	2.750	2.250	1.560	2.320	3.620	6.810	6.320	6.590	8.280
150	0.670	1.470	0.150	0.770	2.830	1.780	3.190	3.590	6.020	5.620
155	0.000	0.000	0.000	0.000	2.860	2.090	2.230	3.170	2.760	4.600
160	0.000	0.000	0.000	0.610	1.300	0.820	1.750	1.210	2.650	1.960
165	0.000	0.000	0.000	0.670	0.050	1.150	0.860	1.280	3.050	0.270
170	0.000	0.000	0.840	0.000	0.000	0.860	0.370	1.800	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**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>
0	921.449	921.449	921.449	921.449	921.449	921.449	921.449	921.449	921.449	921.449
5	752.060	722.460	779.260	782.960	789.990	810.190	888.590	919.320	895.700	919.710
10	573.250	575.890	682.870	680.950	693.420	771.710	798.040	905.350	921.370	1060.480
15	306.780	319.130	455.180	559.490	646.690	601.070	661.320	800.300	848.060	994.590
20	229.220	233.210	265.780	308.390	474.390	539.840	513.460	619.630	696.560	807.970
25	201.420	203.900	230.770	269.410	368.160	527.720	513.370	668.570	776.240	757.740
30	202.820	188.150	195.890	227.250	323.350	407.880	581.730	709.150	898.680	946.450
35	333.280	352.310	183.010	209.290	280.690	322.230	552.850	714.170	950.850	1008.950
40	276.290	292.560	223.680	210.760	224.380	272.400	430.540	661.890	976.010	1088.720
45	154.160	175.160	318.150	209.330	198.530	240.060	355.120	605.200	994.810	1374.830
50	127.350	148.550	213.800	264.720	202.890	226.770	281.210	478.920	775.700	1263.720
55	74.790	110.690	154.610	217.170	196.080	206.880	230.400	394.430	688.340	1143.340
60	61.020	61.020	127.520	174.440	156.750	193.930	203.430	327.180	626.560	1112.850
65	44.810	43.420	79.170	135.830	117.900	148.650	164.280	273.670	552.430	1008.590
70	8.530	20.020	40.010	100.630	91.860	110.990	141.470	231.630	515.350	925.470
75	0.000	4.680	24.580	48.220	72.750	82.490	119.520	185.620	459.740	684.030
80	1.700	5.190	18.700	32.740	51.920	66.900	100.130	146.390	349.060	514.790
85	4.450	17.940	14.900	29.620	47.670	58.700	76.670	104.850	232.200	442.790
90	5.540	6.830	15.190	28.160	45.040	53.140	65.820	80.410	163.450	380.830
95	5.510	6.110	12.220	22.620	38.050	49.030	62.310	71.970	122.540	295.870
100	5.470	5.670	11.590	19.520	33.740	43.040	54.750	63.140	103.540	184.020
105	5.220	6.330	8.520	15.570	28.160	39.840	48.040	58.350	96.840	137.620
110	4.860	5.880	8.630	14.710	24.460	33.280	41.250	49.720	87.840	131.630
115	3.460	3.700	7.040	13.460	26.260	29.840	38.200	33.240	69.650	130.100
120	4.480	5.200	6.250	9.180	15.590	26.480	35.250	13.120	64.440	105.050
125	4.940	3.440	5.120	8.370	14.720	25.040	37.600	14.640	63.320	92.710
130	4.600	3.610	3.610	6.420	11.810	20.660	29.770	15.520	47.620	143.160

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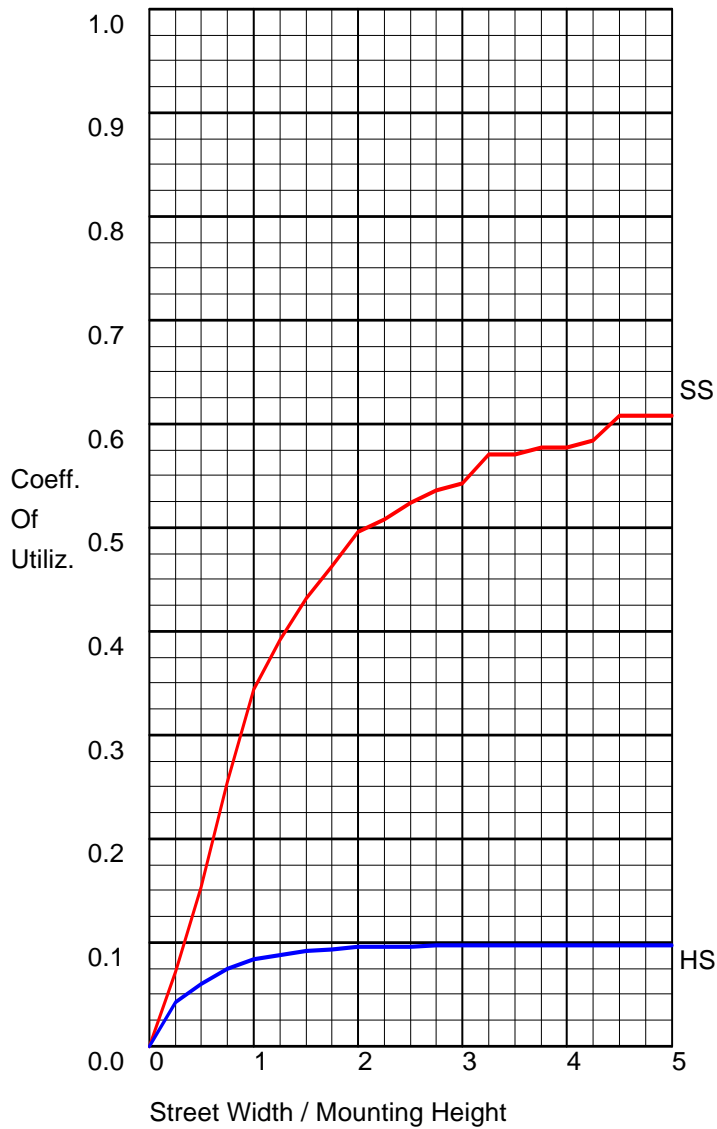
**CANDELA TABULATION - (Cont.)**

135	6.810	5.160	3.560	6.550	12.360	19.290	20.210	15.730	36.170	123.690
140	8.250	3.970	5.850	6.150	11.820	16.610	12.630	12.830	24.720	84.340
145	6.360	5.500	5.390	5.590	9.780	13.370	7.190	8.080	15.180	65.420
150	4.630	6.080	4.270	6.100	7.950	8.990	5.520	5.000	8.350	31.790
155	3.320	4.640	4.920	6.160	6.430	6.350	3.800	3.730	4.340	13.180
160	1.860	3.050	4.660	3.890	6.300	4.060	3.140	0.000	0.000	0.820
165	1.630	2.800	3.190	2.550	5.170	2.710	2.130	0.000	0.000	0.000
170	0.370	1.940	2.820	3.440	4.100	3.290	4.160	0.000	0.000	0.000
175	0.160	0.000	0.000	0.470	2.050	0.000	1.950	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert. Horizontal Angles**

	<u>300</u>	<u>310</u>	<u>320</u>	<u>330</u>	<u>340</u>	<u>350</u>	<u>360</u>
0	921.449	921.449	921.449	921.449	921.449	921.449	921.449
5	1015.540	1028.420	1049.290	1044.140	1062.370	1047.420	1067.670
10	1071.760	1104.030	1139.860	1146.280	1206.900	1197.650	1173.280
15	1061.740	1187.850	1196.920	1280.550	1211.800	1204.420	1159.440
20	897.830	1059.010	1096.160	1290.740	1213.440	1197.660	1208.440
25	790.960	854.250	966.670	1228.510	1289.800	1283.090	1441.650
30	902.850	862.790	955.900	1285.560	1793.280	1909.470	1950.150
35	1068.580	997.420	1343.340	1574.490	1826.100	1842.960	1894.600
40	1251.570	1490.220	1766.490	1679.130	2114.800	2406.390	2594.710
45	1787.340	2301.510	1947.670	1973.590	1976.890	2245.210	2115.330
50	2180.160	2641.920	1870.950	1478.440	1437.680	1620.670	1442.770
55	2067.480	2347.320	1267.370	966.120	1223.300	1314.410	1425.830
60	1861.140	1325.150	1021.910	982.560	1386.420	1510.330	1561.270
65	1146.280	1214.080	1106.190	1011.820	1413.190	1520.660	1570.570
70	1012.920	1314.010	1146.740	999.910	1505.250	1634.510	1697.410
75	937.790	1299.670	1220.580	1067.830	1610.630	1691.100	1739.120
80	787.500	1250.650	1296.600	1106.510	1612.350	1699.370	1735.140
85	623.190	1106.450	1256.380	1100.940	1589.290	1690.180	1705.130
90	518.490	873.710	981.940	1016.540	1458.010	1651.090	1645.210
95	427.840	730.860	765.080	740.870	1088.550	1347.960	1332.840
100	344.710	536.910	609.530	577.290	810.380	937.400	944.030
105	277.040	427.010	471.740	474.890	632.480	714.530	725.990
110	204.950	307.000	358.360	393.480	503.660	563.240	572.680
115	190.570	261.780	267.180	340.920	414.410	448.480	457.200
120	168.240	283.680	254.930	283.390	347.590	379.810	384.170
125	154.730	272.960	266.140	267.060	322.290	299.300	333.950
130	207.110	279.740	300.600	320.060	355.040	252.200	354.880
135	291.960	403.980	441.670	575.140	619.760	452.690	636.610
140	174.560	338.620	395.070	598.230	612.700	658.470	785.200
145	122.670	177.060	239.330	396.140	300.510	359.490	528.010
150	84.900	148.740	186.510	242.930	175.100	234.630	352.700
155	45.430	96.750	161.540	154.720	156.830	205.070	289.240
160	30.450	54.790	52.280	74.300	89.360	164.430	192.060
165	0.000	21.130	31.280	44.340	49.510	64.650	74.670
170	0.000	0.000	0.000	13.050	27.040	46.340	50.430
175	0.000	0.000	0.000	26.080	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000

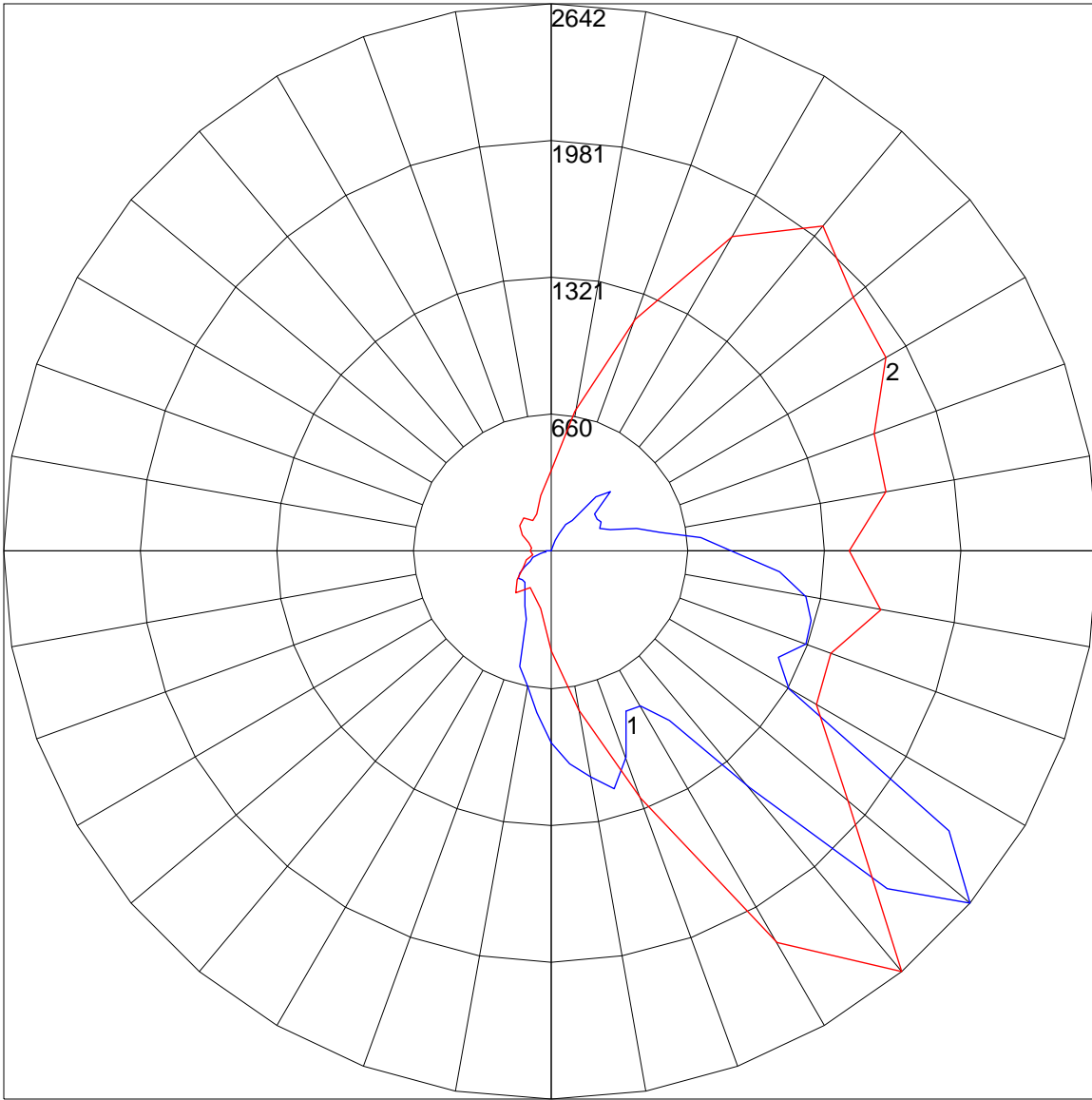
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

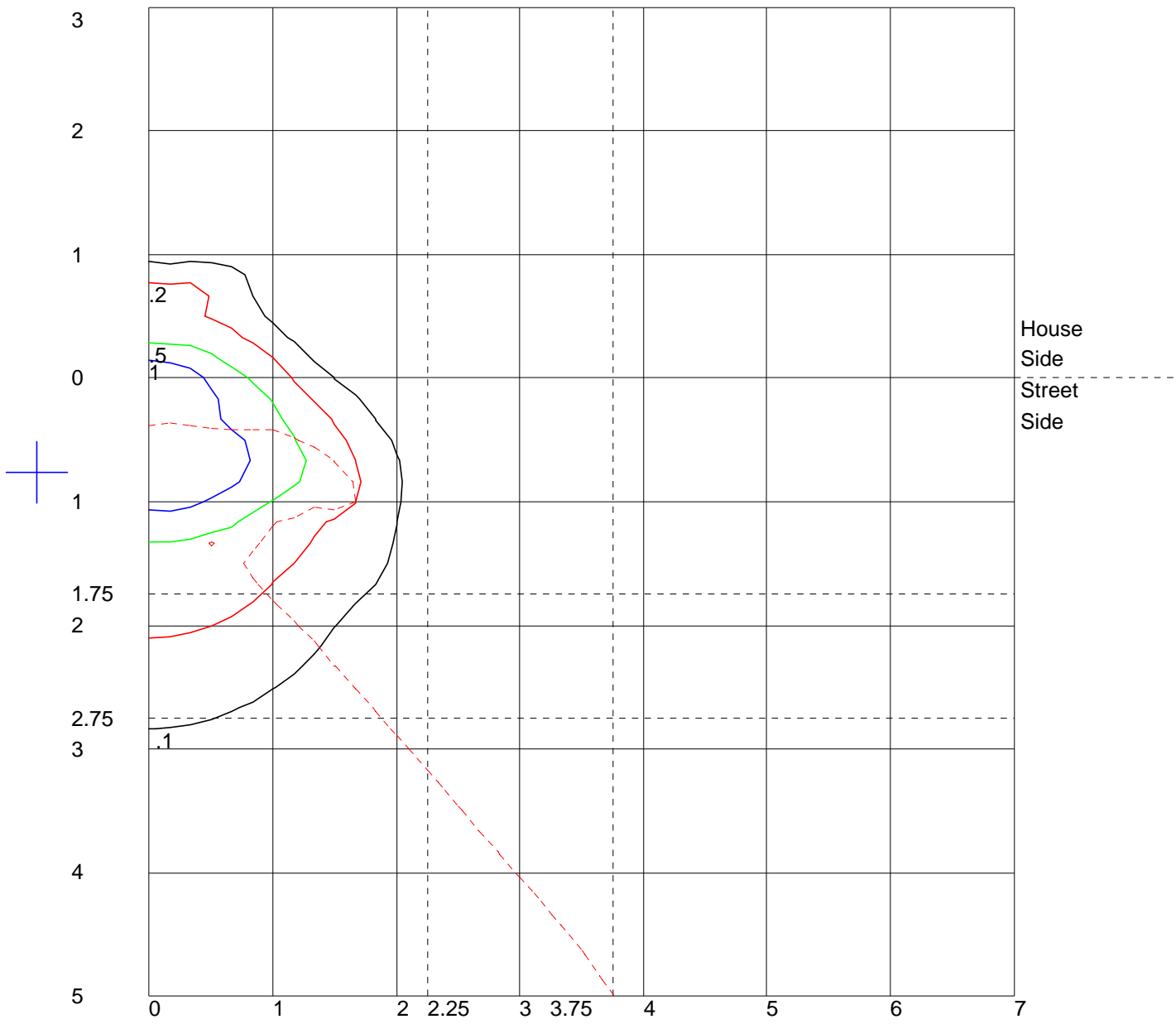
	Lumens	Percent Of Luminaire
Downward Street Side	3872.8	69.3
Downward House Side	551.6	9.9
Downward Total	4424.4	79.2
Upward Street Side	1121.7	20.1
Upward House Side	42.8	0.8
Upward Total	1164.5	20.8
<b>Total Flux</b>	<b>5588.9</b>	<b>100.0</b>

POLAR GRAPH



Maximum Candela = 2641.92 Located At Horizontal Angle = 310, Vertical Angle = 50  
# 1 - Vertical Plane Through Horizontal Angles (310 - 130) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (50) (Through Max. Cd.)

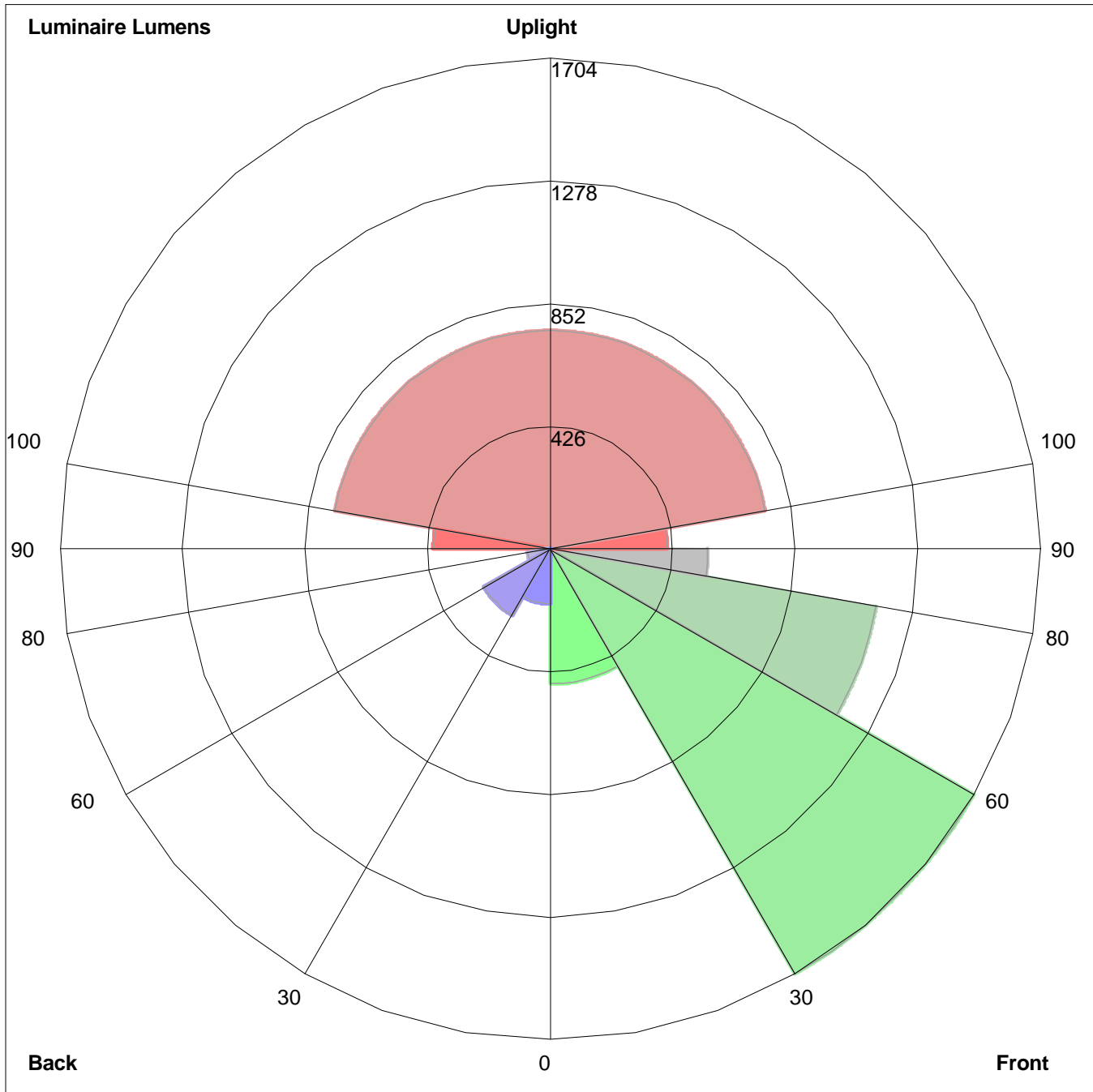
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height  
 Values Based On 25 Foot Mounting Height  
 1/2 Maximum Candela Trace Shown As Dashed Curve  
 (+) = Maximum Candela Point



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=468.7, Medium=1704.2, High=1151.3, Very High=548.7  
Back: Low=189.7, Medium=264.5, High=79.3, Very High=18.2  
Uplight: Low=406.0, High=758.6

BUG Rating : B1-U4-G4