

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P200165

Luminaire Tested: **GWC-AF-01-LED-E1-SLR-800**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200165
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24296)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-AF-01-LED-E1-SLR-800
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 4000K, 800mA LIGHTSQUARE WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4618.6 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

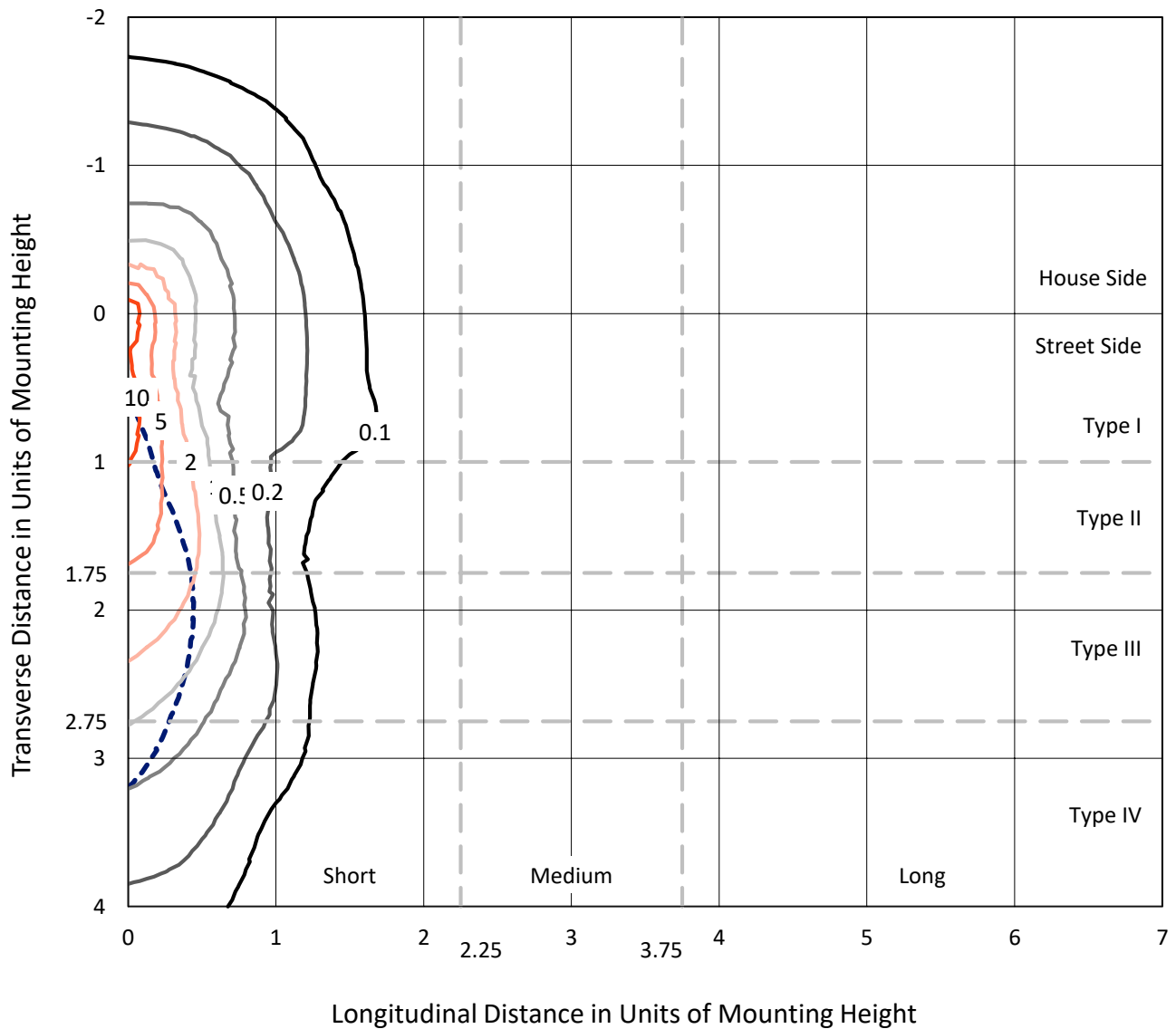
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P200165
 CATALOG NUMBER: GWC-AF-01-LED-E1-SLR-800

Iso-Footcandle Lines of Horizontal Illumination

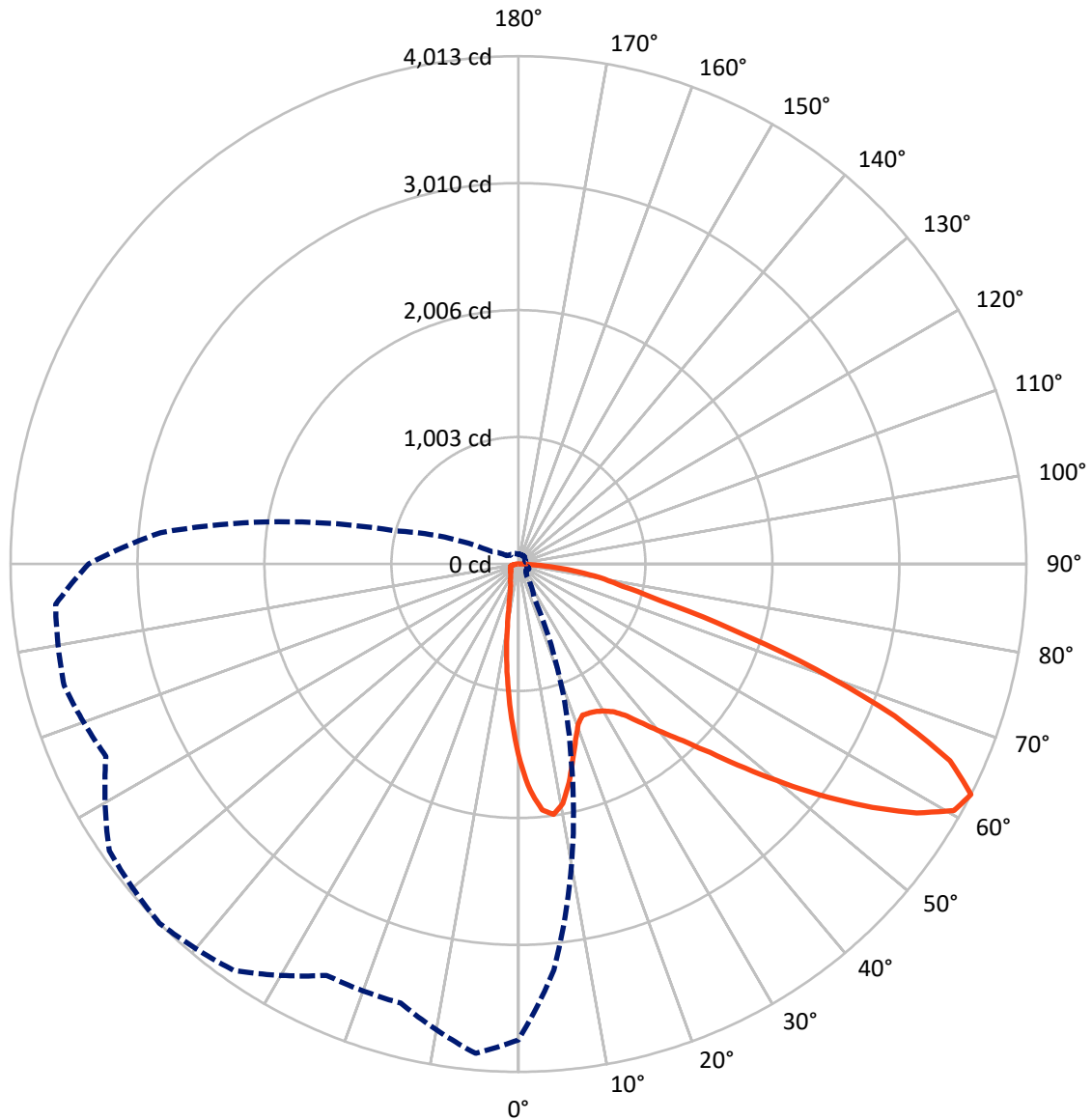
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.6 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P200165
CATALOG NUMBER: GWC-AF-01-LED-E1-SLR-800

Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P200165

CATALOG NUMBER: GWC-AF-01-LED-E1-SLR-800

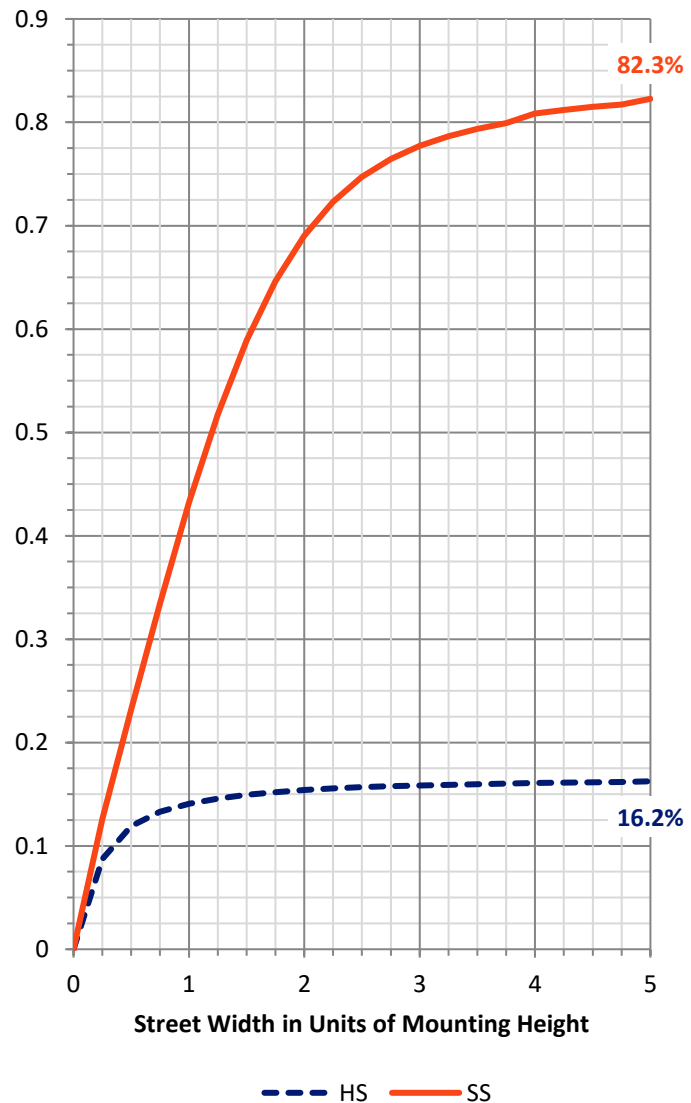
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	764.3	0.0	764.3
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	3854.3	0.0	3854.3
	% Fixture	83.5	0.0	83.5
Total	Lumens	4618.6	0.0	4618.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.6	2.5
10°-20°	208.3	4.5
20°-30°	303.7	6.6
30°-40°	467.7	10.1
40°-50°	688.4	14.9
50°-60°	1009.7	21.9
60°-70°	1128.7	24.4
70°-80°	552.6	12.0
80°-90°	145.9	3.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4618.6	100.0
0°-180°	4618.6	100.0



REPORT NUMBER: P200165

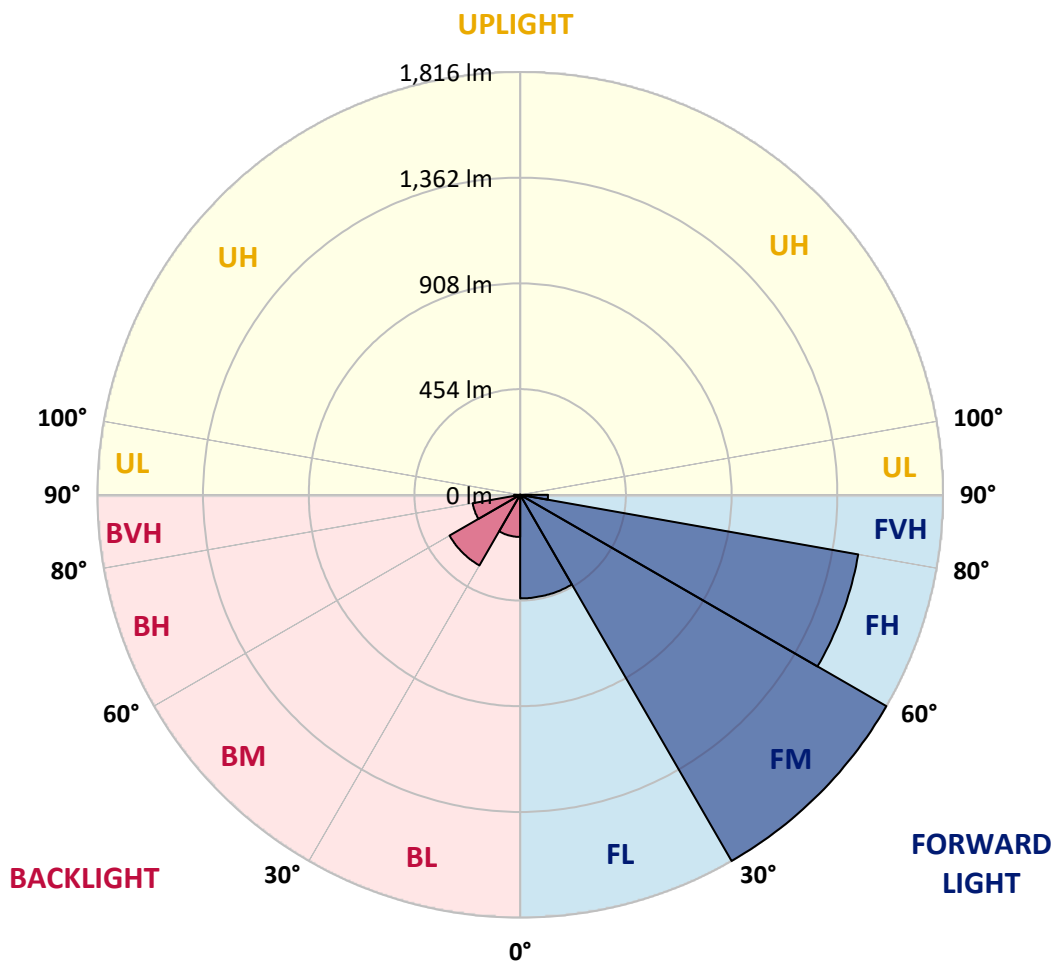
CATALOG NUMBER: GWC-AF-01-LED-E1-SLR-800

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	444.8	9.6			
FM	(30°-60°)	1815.6	39.3			
FH	(60°-80°)	1474.1	31.9			G1/1800
FVH	(80°-90°)	119.8	2.6			G2/225
BL	(0°-30°)	180.8	3.9	B1/500		
BM	(30°-60°)	350.2	7.6	B1/1000		
BH	(60°-80°)	207.2	4.5	B1/500		G1/500
BVH	(80°-90°)	26.1	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





REPORT NUMBER: P200165

CATALOG NUMBER: GWC-AF-01-LED-E1-SLR-800

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1560.4	1560.4	1560.4	1560.4	1560.4	1560.4	1560.4	1560.4	1560.4	1560.4	1560.4
2.5°	1621.4	1588.3	1533.5	1476.4	1441.6	1400.9	1369.2	1341.3	1285.4	1274.5	1284.4
5°	1524.6	1458.3	1355.0	1251.0	1181.6	1107.2	1049.3	1002.9	932.0	919.6	934.6
7.5°	1369.5	1290.2	1153.7	1020.9	922.9	830.0	767.5	717.7	662.4	638.5	640.1
10°	1235.7	1146.3	984.9	840.4	760.2	697.4	644.9	593.8	537.8	500.9	490.8
12.5°	1160.8	1057.9	871.9	742.9	668.5	602.5	545.8	491.3	431.4	393.8	383.1
15°	1147.9	1036.1	829.5	680.5	587.3	503.7	436.9	376.0	314.4	283.9	277.5
17.5°	1203.9	1075.2	815.8	624.8	510.9	407.7	325.7	257.7	207.5	192.2	190.9
20°	1311.6	1150.4	814.0	572.5	435.5	314.6	227.0	177.5	155.4	151.1	151.3
22.5°	1462.7	1266.9	835.9	533.2	366.1	234.6	170.6	148.5	139.9	135.8	135.8
25°	1658.2	1427.4	886.1	504.5	306.0	187.4	150.6	137.4	129.2	126.4	126.9
27.5°	1847.6	1583.5	944.5	481.9	266.6	170.1	142.7	130.7	123.7	120.8	122.1
30°	1995.4	1722.1	993.2	451.1	246.5	165.3	145.5	133.3	123.2	118.9	119.1
32.5°	2117.7	1843.5	1034.1	429.1	228.7	141.7	125.4	120.1	118.9	113.8	111.2
35°	2274.1	1975.8	1061.5	429.5	220.3	126.4	111.7	102.3	95.4	89.6	89.6
37.5°	2457.4	2127.6	1090.7	435.5	217.4	117.5	106.9	97.5	91.1	85.5	84.5
40°	2638.7	2276.4	1117.4	441.0	215.5	112.2	103.1	94.4	88.6	83.1	81.5
42.5°	2792.9	2398.8	1141.2	443.8	209.5	111.7	100.2	92.4	86.8	80.7	79.2
45°	2906.8	2501.3	1166.9	448.2	203.4	113.8	100.2	92.2	85.3	79.5	77.9
47.5°	3008.6	2621.7	1209.8	448.2	196.0	110.0	103.6	92.4	85.0	79.0	77.6
50°	3145.0	2786.7	1291.1	437.7	185.6	105.9	109.1	91.5	82.8	77.9	76.4
52.5°	3332.9	2998.2	1420.1	419.7	169.6	98.0	108.4	90.9	80.5	75.4	73.7
55°	3555.0	3224.6	1560.7	398.6	145.8	92.4	104.6	89.6	77.9	72.3	70.6
57.5°	3728.5	3380.5	1659.7	366.1	124.9	89.4	92.7	88.4	74.9	69.0	67.5
60°	3797.5	3374.5	1686.8	322.7	114.8	86.8	81.0	99.0	72.3	66.5	64.8
62.5°	3760.2	3218.6	1610.7	292.3	112.5	83.6	75.9	91.7	70.4	64.8	62.2
65°	3587.8	2942.3	1408.8	284.1	119.1	80.2	72.6	71.8	67.5	62.2	59.6
67.5°	3212.3	2529.6	1128.0	284.9	127.5	76.9	69.4	65.8	63.7	59.4	57.1
70°	2616.4	1999.9	840.9	286.9	131.8	73.1	65.8	62.0	59.6	55.3	53.8
72.5°	1923.8	1541.4	610.9	273.7	132.6	68.8	61.0	57.6	55.3	50.7	49.5
75°	1316.1	1179.1	423.7	226.7	115.5	62.7	55.6	52.6	51.0	45.4	44.7
77.5°	961.5	885.1	271.2	168.4	89.1	55.1	49.0	46.7	45.7	39.6	38.6
80°	771.6	700.2	169.6	115.3	65.3	46.2	41.1	39.9	38.9	32.7	32.0
82.5°	535.2	468.9	108.9	74.9	49.0	35.8	32.5	32.0	30.5	24.9	24.1
85°	282.3	254.6	69.0	51.0	35.5	24.7	22.6	22.6	21.8	16.5	16.0
87.5°	36.0	58.6	35.1	26.7	19.5	10.9	10.9	10.6	11.5	9.4	8.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P200165

CATALOG NUMBER: GWC-AF-01-LED-E1-SLR-800

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	1560.4	1560.4	1560.4	1560.4	1560.4	1560.4	1560.4	1560.4	1560.4	1560.4	1560.4
2.5°	1261.1	1273.3	1261.6	1262.3	1275.3	1313.9	1331.4	1345.9	1361.3	1371.6	1376.1
5°	914.0	942.4	952.1	972.4	1002.4	1051.6	1071.1	1085.4	1094.8	1100.4	1102.6
7.5°	625.1	642.3	661.6	694.4	759.6	788.6	801.6	798.2	787.6	783.8	780.0
10°	471.3	464.3	460.8	478.8	531.6	560.9	570.0	561.1	555.3	556.5	562.8
12.5°	365.1	353.1	338.7	336.7	371.4	397.6	403.5	404.0	414.6	424.0	437.9
15°	266.1	264.8	257.7	253.4	273.2	294.5	297.1	301.7	311.3	318.1	330.3
17.5°	187.6	194.5	200.1	202.9	217.9	233.0	230.3	228.0	226.2	226.2	232.1
20°	151.3	155.9	163.0	171.1	186.4	197.0	190.2	181.1	174.4	172.4	173.2
22.5°	136.4	139.9	143.9	151.1	164.8	172.2	164.8	158.1	151.6	149.2	148.5
25°	128.7	133.3	137.1	142.4	152.6	157.6	150.6	145.8	141.7	138.9	136.9
27.5°	124.4	128.5	129.5	132.1	140.7	145.3	141.7	139.6	137.1	134.5	132.1
30°	119.8	119.1	117.3	117.5	124.4	129.0	128.7	129.2	129.0	128.2	127.7
32.5°	109.5	107.9	106.4	107.9	114.3	118.4	118.6	119.6	119.6	119.4	121.3
35°	91.1	93.9	95.7	100.2	107.9	111.5	110.0	107.4	102.8	100.0	99.7
37.5°	84.3	84.8	87.9	94.2	102.6	105.9	103.6	97.8	94.7	94.2	94.9
40°	81.0	81.5	83.3	89.1	97.5	100.8	98.7	94.4	91.7	91.5	92.7
42.5°	78.7	79.2	80.2	84.3	91.1	95.2	95.4	92.4	89.1	89.4	90.6
45°	77.4	77.6	77.4	79.5	85.8	90.6	92.7	90.6	87.9	88.4	89.9
47.5°	77.2	76.4	75.4	75.9	82.6	87.4	89.9	89.1	87.9	88.4	89.6
50°	76.2	74.4	73.1	72.8	79.5	84.5	86.8	86.8	87.4	88.4	89.6
52.5°	73.1	71.1	71.1	70.4	77.4	82.2	83.8	84.1	84.8	86.5	88.4
55°	69.4	68.5	69.4	68.0	75.9	80.5	81.2	81.7	82.2	83.8	86.3
57.5°	66.0	65.0	66.8	66.3	74.7	78.7	78.7	79.7	79.7	81.7	83.8
60°	64.2	62.2	63.0	63.4	72.8	77.2	76.7	77.6	78.2	80.0	81.5
62.5°	62.0	60.1	60.1	61.5	70.8	74.9	74.7	75.4	77.4	77.9	79.5
65°	59.1	58.4	57.6	59.1	68.8	72.3	72.6	73.7	75.4	75.9	77.2
67.5°	56.4	56.6	55.1	56.6	67.0	69.9	69.9	71.8	72.6	73.7	74.9
70°	53.3	53.6	52.3	54.1	65.8	67.0	66.8	69.6	70.1	70.8	72.1
72.5°	49.5	49.5	49.0	51.6	63.7	64.2	63.7	66.0	66.3	67.0	67.5
75°	45.4	45.4	44.9	48.5	62.5	61.2	59.6	61.5	62.0	62.5	62.5
77.5°	40.1	40.6	40.6	44.9	58.1	59.9	54.8	55.9	56.6	56.9	56.2
80°	33.6	34.8	35.3	40.9	48.8	55.3	49.0	49.7	50.0	50.0	49.0
82.5°	25.7	27.9	29.2	35.3	37.3	46.4	42.7	43.4	42.7	41.1	40.6
85°	17.8	20.9	22.3	26.9	28.1	35.8	35.5	35.5	34.1	32.0	31.7
87.5°	9.6	11.5	12.5	16.0	19.3	24.1	26.2	25.4	24.1	22.8	23.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P200165

CATALOG NUMBER: GWC-AF-01-LED-E1-SLR-800

CANDELA DISTRIBUTION (continued):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	1560.4	1560.4	1560.4	1560.4	1560.4	1560.4	1560.4	1560.4	1560.4	1560.4	1560.4
2.5°	1400.0	1434.5	1489.6	1531.8	1574.1	1615.0	1659.2	1693.0	1721.6	1732.8	1766.8
5°	1125.8	1168.9	1221.0	1314.9	1381.4	1454.8	1539.6	1651.9	1695.0	1754.7	1852.4
7.5°	796.0	835.0	918.8	994.7	1088.9	1192.8	1307.3	1462.2	1518.8	1614.5	1773.7
10°	594.3	639.9	707.1	771.1	854.1	960.2	1091.7	1264.9	1333.7	1437.6	1620.9
12.5°	478.8	532.4	603.7	663.9	728.1	803.0	930.8	1120.6	1212.8	1303.8	1489.1
15°	367.9	424.0	490.3	566.7	637.5	718.2	852.0	1059.8	1165.9	1260.6	1418.7
17.5°	254.6	302.6	386.2	465.9	556.5	659.9	830.2	1072.7	1199.4	1308.6	1430.9
20°	180.6	208.0	276.5	368.9	481.9	611.6	826.1	1140.7	1305.5	1430.2	1509.2
22.5°	151.8	161.9	201.8	286.6	417.2	575.6	840.4	1236.2	1448.7	1607.9	1633.8
25°	138.4	144.4	165.3	224.9	359.5	549.4	888.3	1378.4	1625.9	1785.7	1781.1
27.5°	131.0	137.4	151.1	190.0	316.1	533.2	936.3	1547.0	1828.5	1978.6	1921.7
30°	128.7	137.4	151.8	179.0	285.1	507.5	975.7	1695.0	1984.4	2108.8	1985.6
32.5°	126.9	128.2	134.8	154.4	255.6	477.6	1002.4	1827.8	2137.0	2232.7	2077.8
35°	102.6	108.9	119.6	138.4	238.4	459.5	1002.4	1942.3	2287.3	2357.9	2165.7
37.5°	98.7	104.3	113.8	129.7	228.7	450.6	982.3	2052.8	2441.0	2499.8	2238.0
40°	96.8	101.3	110.2	123.2	224.7	440.5	953.1	2150.2	2590.9	2642.0	2305.6
42.5°	95.2	99.2	107.6	119.1	219.3	429.3	929.5	2228.4	2721.3	2763.4	2370.1
45°	94.4	98.7	107.9	121.1	208.7	414.6	921.7	2313.0	2828.4	2864.7	2439.9
47.5°	94.4	99.5	109.1	125.4	196.0	399.4	946.2	2424.4	2929.6	2947.4	2522.2
50°	93.7	99.2	112.7	121.1	177.5	380.0	1004.1	2564.8	3039.3	3041.3	2626.2
52.5°	92.2	98.7	121.3	118.6	156.1	354.7	1082.4	2745.1	3201.5	3213.8	2789.3
55°	90.4	98.0	119.1	112.7	138.6	324.5	1146.3	2964.2	3429.5	3463.3	3029.0
57.5°	88.1	97.0	115.3	104.6	127.2	285.6	1169.4	3124.6	3588.7	3673.5	3299.1
60°	86.0	96.3	104.1	99.7	120.1	252.9	1124.7	3092.9	3577.9	3760.7	3538.5
62.5°	84.1	97.0	94.9	96.8	116.8	231.8	1007.9	2838.8	3396.8	3670.8	3716.0
65°	81.7	90.1	89.6	94.2	116.0	223.4	835.5	2457.6	3047.0	3386.7	3757.8
67.5°	78.7	83.3	85.8	90.9	118.6	216.0	674.3	2027.3	2560.8	2960.9	3539.5
70°	75.4	79.2	82.0	86.8	117.0	212.8	560.9	1598.8	2031.9	2426.7	3108.6
72.5°	71.1	74.4	76.9	81.5	115.5	211.0	473.7	1287.5	1517.0	1802.6	2527.5
75°	66.0	69.0	70.8	75.4	110.7	193.2	372.5	1089.4	1135.2	1253.9	2013.1
77.5°	60.1	62.5	63.9	69.0	98.0	160.7	269.3	840.4	881.5	910.4	1543.4
80°	53.3	55.6	56.4	61.2	81.2	125.7	175.7	620.7	659.4	665.9	1007.9
82.5°	45.4	47.8	47.8	52.3	66.5	90.4	115.3	425.2	432.9	455.2	712.4
85°	36.5	38.4	38.4	40.6	51.6	67.5	79.2	213.5	211.2	241.2	617.2
87.5°	26.2	27.4	28.6	29.2	36.8	44.7	47.8	65.0	42.9	49.2	396.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P200165

CATALOG NUMBER: GWC-AF-01-LED-E1-SLR-800

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	1560.4	1560.4	1560.4	1560.4	1560.4	1560.4	1560.4	1560.4
2.5°	1792.5	1806.9	1792.2	1781.6	1735.6	1697.8	1647.3	1621.4
5°	1926.8	1963.6	1951.2	1906.5	1810.5	1702.6	1579.9	1524.6
7.5°	1910.6	1996.1	1998.1	1914.6	1773.2	1614.2	1448.2	1369.5
10°	1784.1	1893.5	1924.8	1843.8	1693.7	1516.0	1325.5	1235.7
12.5°	1643.0	1750.1	1773.9	1746.0	1620.6	1442.2	1248.9	1160.8
15°	1527.4	1575.4	1603.9	1628.2	1557.9	1412.7	1244.6	1147.9
17.5°	1457.1	1451.8	1459.9	1502.3	1514.2	1446.5	1310.6	1203.9
20°	1431.7	1350.2	1348.1	1406.6	1493.6	1526.9	1439.6	1311.6
22.5°	1445.6	1313.7	1296.9	1366.2	1504.6	1643.0	1608.7	1462.7
25°	1493.9	1316.6	1303.2	1370.2	1544.1	1766.5	1791.2	1658.2
27.5°	1569.8	1336.0	1318.2	1387.0	1596.7	1870.5	1970.9	1847.6
30°	1641.9	1369.5	1347.4	1420.1	1644.7	1911.6	2081.2	1995.4
32.5°	1729.5	1432.2	1393.4	1480.7	1704.1	1977.1	2179.4	2117.7
35°	1815.3	1521.5	1473.4	1574.4	1770.4	2058.6	2291.6	2274.1
37.5°	1909.5	1638.4	1598.5	1695.5	1861.1	2135.5	2434.8	2457.4
40°	2010.1	1793.2	1746.0	1872.2	2001.7	2232.0	2584.4	2638.7
42.5°	2111.4	1965.1	1908.7	2036.7	2156.3	2327.2	2712.4	2792.9
45°	2227.4	2151.8	2125.1	2263.5	2304.8	2417.8	2806.8	2906.8
47.5°	2362.5	2363.5	2406.4	2461.7	2454.7	2520.3	2901.7	3008.6
50°	2520.1	2627.8	2722.5	2759.3	2609.0	2630.6	3033.5	3145.0
52.5°	2709.5	2943.8	3061.2	3037.0	2775.3	2765.1	3242.2	3332.9
55°	2946.4	3278.5	3395.1	3377.8	2966.5	2948.5	3502.2	3555.0
57.5°	3220.7	3602.7	3709.8	3632.2	3196.0	3149.6	3717.2	3728.5
60°	3461.6	3859.7	3953.6	3867.6	3427.5	3363.6	3851.5	3797.5
62.5°	3595.6	3946.7	4012.7	3920.0	3586.3	3591.6	3881.0	3760.2
65°	3535.7	3726.6	3748.0	3740.3	3545.3	3723.8	3775.1	3587.8
67.5°	3207.7	3170.1	3205.9	3255.4	3195.0	3549.6	3481.9	3212.3
70°	2629.8	2423.4	2494.8	2528.0	2555.4	3054.5	3022.1	2616.4
72.5°	1981.9	1697.8	1754.2	1747.3	1874.3	2450.1	2350.2	1923.8
75°	1404.3	1151.1	1158.3	1155.4	1307.8	1916.9	1701.9	1316.1
77.5°	982.5	834.0	837.8	853.6	879.2	1445.6	1215.9	961.5
80°	675.6	633.0	654.1	655.3	609.4	971.1	898.3	771.6
82.5°	503.2	440.0	435.0	442.3	477.6	786.9	690.3	535.2
85°	412.0	260.4	209.5	262.5	423.2	779.2	458.5	282.3
87.5°	232.1	123.7	55.9	103.6	168.9	515.9	132.6	36.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)