

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: P270170

Luminaire Tested: **GWC-AF-01-LED-E1-SLR-7027-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P270170
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-7027-600
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 2700K, 615mA 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: 3197.7 lumens
Efficiency: N/A
Efficacy: 94.0 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 - G1

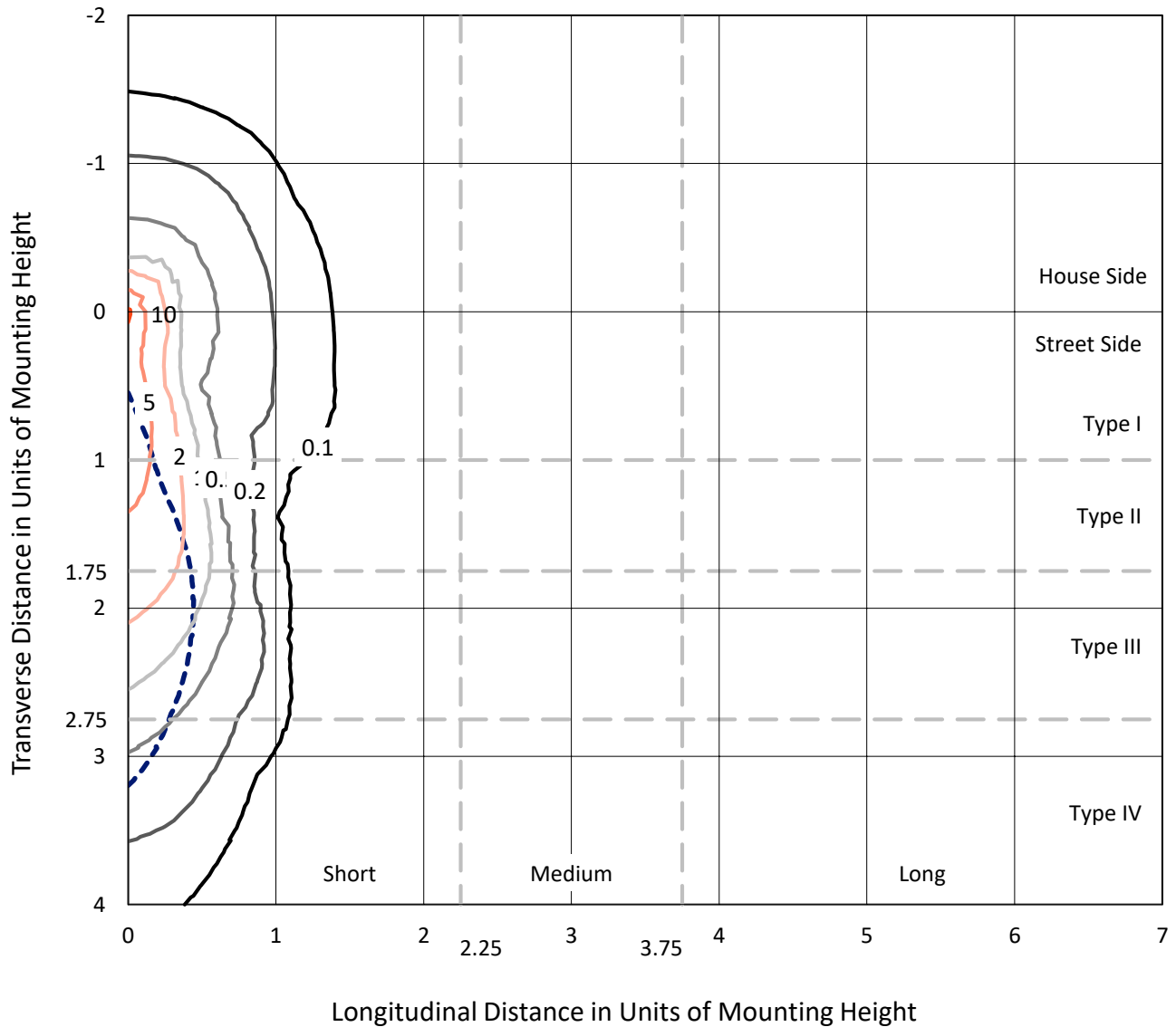
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P270170
 CATALOG NUMBER: GWC-AF-01-LED-E1-SLR-7027-600

Iso-Footcandle Lines of Horizontal Illumination

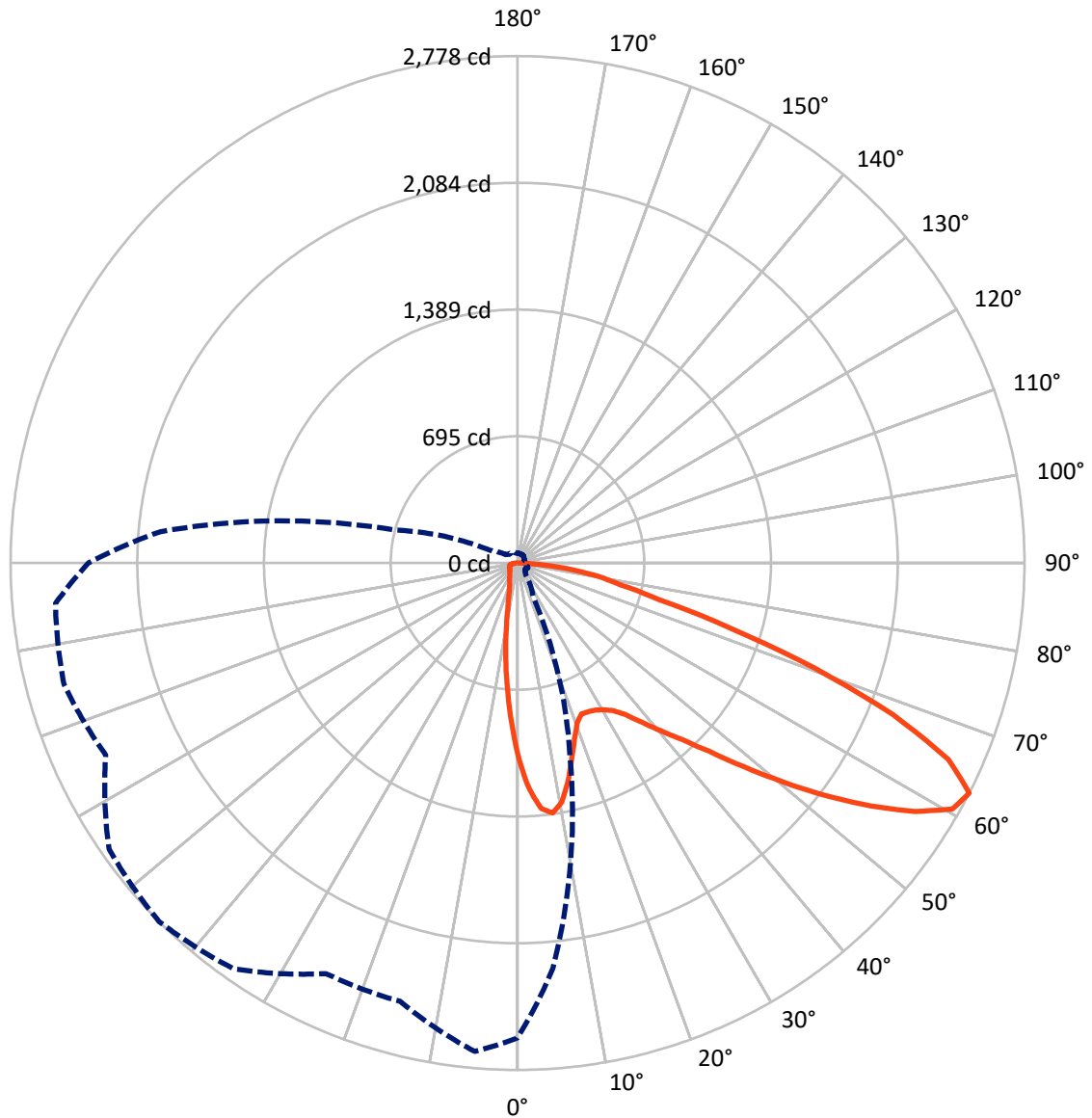
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.8 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P270170
CATALOG NUMBER: GWC-AF-01-LED-E1-SLR-7027-600

Luminous Intensity Polar Plot



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

REPORT NUMBER: P270170

CATALOG NUMBER: GWC-AF-01-LED-E1-SLR-7027-600

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	529.2	0.0	529.2
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	2668.5	0.0	2668.5
	% Fixture	83.5	0.0	83.5
Total	Lumens	3197.7	0.0	3197.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.6	2.5
10°-20°	144.2	4.5
20°-30°	210.3	6.6
30°-40°	323.8	10.1
40°-50°	476.6	14.9
50°-60°	699.1	21.9
60°-70°	781.4	24.4
70°-80°	382.6	12.0
80°-90°	101.0	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°	3197.7	100.0
0°-180°	3197.7	100.0



REPORT NUMBER: P270170

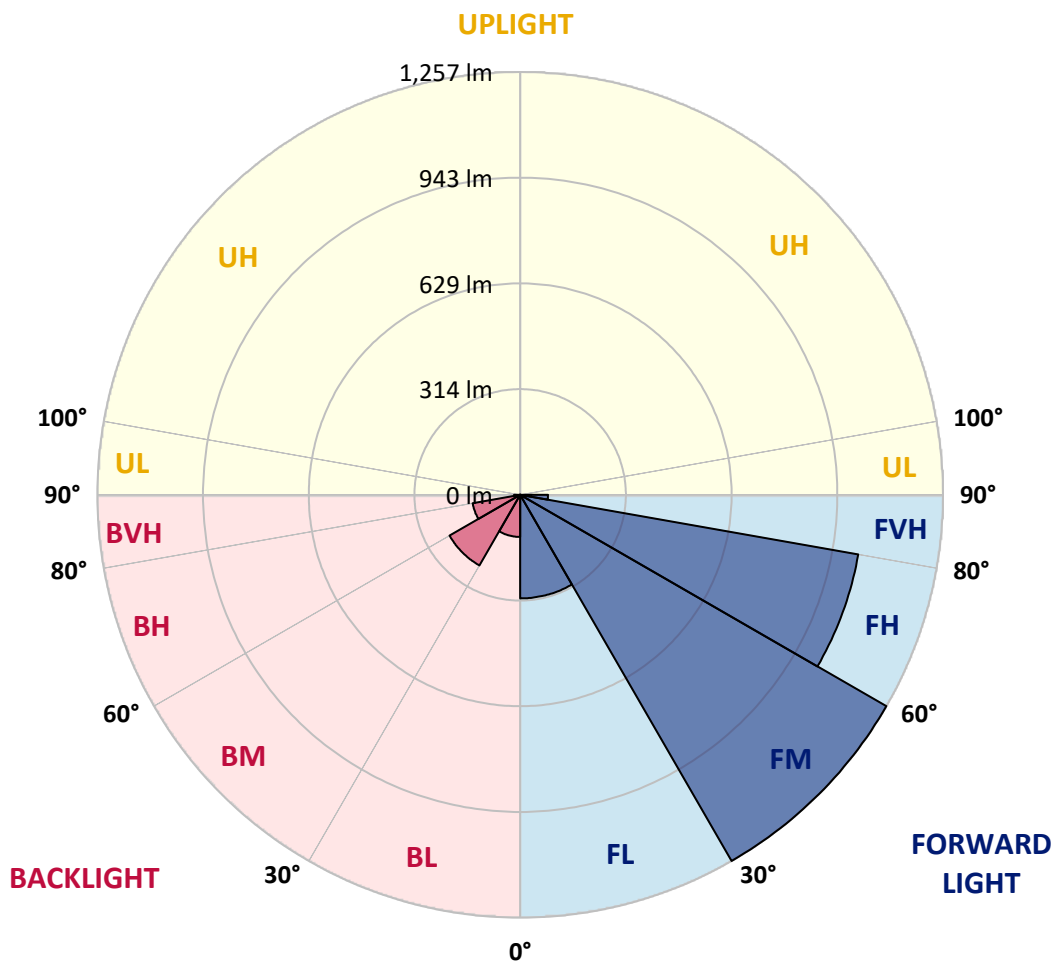
CATALOG NUMBER: GWC-AF-01-LED-E1-SLR-7027-600

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	307.9	9.6			
FM	(30°-60°)	1257.0	39.3			
FH	(60°-80°)	1020.6	31.9			G1/1800
FVH	(80°-90°)	83.0	2.6			G1/100
BL	(0°-30°)	125.2	3.9	B1/500		
BM	(30°-60°)	242.5	7.6	B1/1000		
BH	(60°-80°)	143.5	4.5	B1/500		G1/500
BVH	(80°-90°)	18.1	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-G1

Type IV Short





REPORT NUMBER: P270170

CATALOG NUMBER: GWC-AF-01-LED-E1-SLR-7027-600

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1080.3	1080.3	1080.3	1080.3	1080.3	1080.3	1080.3	1080.3	1080.3	1080.3	1080.3
2.5°	1122.5	1099.6	1061.6	1022.1	998.0	970.0	948.0	928.7	890.0	882.5	889.2
5°	1055.6	1009.7	938.1	866.1	818.0	766.6	726.5	694.3	645.3	636.7	647.0
7.5°	948.2	893.4	798.8	706.7	639.0	574.6	531.3	496.9	458.7	442.1	443.1
10°	855.5	793.7	681.9	581.8	526.2	482.8	446.5	411.2	372.3	346.8	339.7
12.5°	803.7	732.5	603.7	514.3	462.8	417.2	377.9	340.2	298.6	272.6	265.3
15°	794.7	717.3	574.2	471.2	406.7	348.7	302.5	260.2	217.6	196.5	192.1
17.5°	833.5	744.4	564.8	432.7	353.7	282.2	225.6	178.5	143.5	133.0	132.2
20°	908.0	796.4	563.5	396.4	301.6	217.7	157.2	122.9	107.5	104.7	104.7
22.5°	1012.7	877.1	578.7	369.2	253.5	162.5	118.1	102.9	96.8	94.1	94.1
25°	1148.0	988.2	613.5	349.4	211.8	129.7	104.3	95.1	89.6	87.6	87.9
27.5°	1279.1	1096.3	653.8	333.6	184.6	117.8	98.9	90.5	85.6	83.6	84.5
30°	1381.5	1192.3	687.7	312.4	170.7	114.4	100.7	92.3	85.2	82.3	82.5
32.5°	1466.2	1276.3	715.9	297.1	158.5	98.1	86.9	83.2	82.3	78.7	77.0
35°	1574.5	1367.8	735.0	297.3	152.6	87.6	77.3	70.8	66.0	62.1	62.1
37.5°	1701.4	1473.0	755.1	301.6	150.5	81.3	74.0	67.6	63.2	59.3	58.5
40°	1827.0	1576.0	773.6	305.3	149.3	77.8	71.3	65.3	61.4	57.5	56.5
42.5°	1933.6	1660.7	790.1	307.3	145.0	77.3	69.3	64.0	60.1	56.0	54.8
45°	2012.6	1731.8	807.8	310.3	140.9	78.7	69.3	63.8	59.1	55.1	54.0
47.5°	2083.0	1815.1	837.6	310.3	135.7	76.0	71.8	64.0	58.8	54.6	53.8
50°	2177.4	1929.4	893.9	303.1	128.5	73.3	75.5	63.3	57.3	54.0	52.9
52.5°	2307.4	2075.9	983.1	290.5	117.4	67.8	75.1	62.9	55.8	52.2	50.9
55°	2461.3	2232.6	1080.5	276.0	100.9	64.0	72.5	62.1	54.0	50.0	48.9
57.5°	2581.3	2340.5	1149.1	253.5	86.4	61.9	64.1	61.2	51.8	47.8	46.7
60°	2629.1	2336.3	1167.8	223.4	79.5	60.1	56.1	68.5	50.0	46.1	44.8
62.5°	2603.3	2228.3	1115.2	202.3	77.9	57.9	52.6	63.5	48.7	44.8	43.1
65°	2484.0	2037.1	975.4	196.6	82.5	55.5	50.2	49.8	46.7	43.1	41.3
67.5°	2223.9	1751.2	780.9	197.2	88.3	53.3	48.0	45.5	44.1	41.1	39.5
70°	1811.4	1384.6	582.2	198.6	91.3	50.7	45.5	42.8	41.3	38.3	37.3
72.5°	1331.8	1067.1	422.9	189.5	91.7	47.6	42.2	40.0	38.3	35.2	34.2
75°	911.2	816.3	293.3	156.9	79.9	43.4	38.4	36.4	35.4	31.5	30.9
77.5°	665.6	612.7	187.7	116.5	61.8	38.2	34.0	32.3	31.6	27.4	26.7
80°	534.2	484.7	117.4	79.8	45.2	32.0	28.4	27.6	26.9	22.6	22.2
82.5°	370.6	324.6	75.4	51.8	34.0	24.9	22.5	22.2	21.1	17.2	16.7
85°	195.6	176.2	47.8	35.4	24.7	17.1	15.6	15.6	15.1	11.4	11.0
87.5°	25.0	40.7	24.3	18.4	13.6	7.5	7.5	7.4	7.9	6.5	5.6
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: P270170

CATALOG NUMBER: GWC-AF-01-LED-E1-SLR-7027-600

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	1080.3	1080.3	1080.3	1080.3	1080.3	1080.3	1080.3	1080.3	1080.3	1080.3	1080.3
2.5°	873.2	881.5	873.4	874.1	882.9	909.7	921.8	931.8	942.5	949.6	952.7
5°	632.8	652.4	659.1	673.2	694.0	728.0	741.6	751.4	758.0	761.9	763.4
7.5°	432.8	444.8	458.0	480.8	526.0	546.0	555.0	552.6	545.4	542.7	540.1
10°	326.3	321.6	319.1	331.6	368.0	388.2	394.6	388.4	384.5	385.4	389.8
12.5°	252.8	244.5	234.5	233.1	257.2	275.3	279.4	279.6	287.1	293.6	303.2
15°	184.2	183.3	178.5	175.3	189.2	203.9	205.6	208.9	215.6	220.3	228.7
17.5°	130.0	134.7	138.5	140.4	150.8	161.3	159.4	157.8	156.7	156.7	160.6
20°	104.7	107.9	112.8	118.4	129.0	136.5	131.6	125.4	120.7	119.4	119.8
22.5°	94.4	96.8	99.6	104.7	114.1	119.1	114.1	109.6	104.9	103.3	102.9
25°	89.1	92.3	95.0	98.6	105.6	109.1	104.3	100.9	98.1	96.2	94.7
27.5°	86.1	88.9	89.7	91.4	97.3	100.5	98.1	96.7	95.0	93.2	91.4
30°	83.0	82.5	81.1	81.3	86.1	89.3	89.1	89.6	89.3	88.8	88.5
32.5°	75.7	74.6	73.7	74.6	79.1	81.9	82.0	82.9	82.9	82.6	84.0
35°	63.2	65.0	66.3	69.3	74.6	77.2	76.0	74.4	71.1	69.3	69.1
37.5°	58.4	58.7	60.8	65.1	71.1	73.3	71.8	67.7	65.5	65.1	65.8
40°	56.1	56.5	57.6	61.8	67.6	69.8	68.5	65.3	63.5	63.3	64.1
42.5°	54.4	54.8	55.5	58.4	63.2	65.9	66.0	64.0	61.8	61.9	62.7
45°	53.5	53.8	53.5	55.1	59.4	62.7	64.1	62.7	60.8	61.2	62.3
47.5°	53.4	52.9	52.2	52.6	57.1	60.5	62.3	61.8	60.8	61.2	62.1
50°	52.7	51.6	50.7	50.5	55.1	58.5	60.1	60.1	60.5	61.2	62.1
52.5°	50.7	49.1	49.1	48.7	53.5	57.0	58.0	58.2	58.7	59.9	61.2
55°	48.0	47.5	48.0	47.2	52.6	55.8	56.2	56.7	57.0	58.0	59.7
57.5°	45.8	44.9	46.3	45.9	51.7	54.4	54.4	55.2	55.2	56.7	58.0
60°	44.5	43.1	43.6	43.9	50.5	53.4	53.1	53.8	54.2	55.3	56.5
62.5°	42.8	41.6	41.6	42.5	49.0	51.8	51.7	52.2	53.5	54.0	55.1
65°	41.0	40.5	40.0	41.0	47.6	50.0	50.2	50.9	52.2	52.6	53.4
67.5°	39.0	39.2	38.2	39.2	46.4	48.4	48.4	49.8	50.2	50.9	51.8
70°	36.9	37.1	36.2	37.4	45.5	46.4	46.3	48.1	48.5	49.0	49.9
72.5°	34.2	34.2	34.0	35.8	44.1	44.5	44.1	45.8	45.9	46.4	46.7
75°	31.5	31.5	31.1	33.5	43.3	42.4	41.3	42.5	42.8	43.3	43.3
77.5°	27.8	28.1	28.1	31.1	40.2	41.5	38.0	38.6	39.2	39.3	38.8
80°	23.1	24.1	24.4	28.2	33.7	38.3	34.0	34.5	34.7	34.7	34.0
82.5°	17.7	19.4	20.2	24.4	25.8	32.2	29.6	30.1	29.6	28.4	28.1
85°	12.2	14.5	15.5	18.7	19.6	24.9	24.7	24.7	23.5	22.2	22.0
87.5°	6.6	7.9	8.7	11.0	13.4	16.7	18.1	17.5	16.7	15.8	16.0
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: P270170

CATALOG NUMBER: GWC-AF-01-LED-E1-SLR-7027-600

CANDELA DISTRIBUTION (continued):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	1080.3	1080.3	1080.3	1080.3	1080.3	1080.3	1080.3	1080.3	1080.3	1080.3	1080.3
2.5°	969.2	993.2	1031.3	1060.4	1089.9	1118.1	1148.8	1172.1	1192.1	1199.6	1223.2
5°	779.4	809.4	845.3	910.3	956.4	1007.2	1065.8	1143.6	1173.5	1214.8	1282.5
7.5°	551.1	578.1	636.2	688.7	753.9	825.8	905.1	1012.3	1051.6	1117.9	1228.1
10°	411.6	443.0	489.5	533.9	591.4	664.7	755.8	875.8	923.4	995.2	1122.3
12.5°	331.6	368.7	418.0	459.7	504.0	556.1	644.4	775.9	839.6	902.6	1031.0
15°	254.7	293.6	339.4	392.3	441.3	497.3	589.8	733.6	807.1	872.8	982.2
17.5°	176.2	209.6	267.3	322.5	385.4	456.9	574.7	742.7	830.5	906.0	990.7
20°	125.0	144.0	191.3	255.4	333.6	423.5	572.0	789.8	903.9	990.2	1044.9
22.5°	105.1	112.2	139.7	198.4	288.9	398.5	581.8	855.8	1003.0	1113.2	1131.1
25°	95.8	100.0	114.4	155.8	248.9	380.4	615.1	954.3	1125.7	1236.2	1233.2
27.5°	90.6	95.1	104.7	131.5	218.8	369.2	648.2	1071.0	1266.0	1369.8	1330.5
30°	89.1	95.1	105.1	124.0	197.4	351.3	675.5	1173.5	1373.9	1460.0	1374.8
32.5°	87.9	88.8	93.3	106.9	177.1	330.7	694.0	1265.4	1479.6	1545.9	1438.5
35°	71.1	75.4	82.9	95.8	165.1	318.2	694.0	1344.8	1583.6	1632.5	1499.5
37.5°	68.5	72.3	78.7	89.8	158.5	312.0	680.0	1421.2	1689.9	1730.8	1549.4
40°	67.0	70.2	76.3	85.2	155.5	305.0	659.9	1488.8	1793.8	1829.2	1596.3
42.5°	65.9	68.7	74.5	82.5	151.9	297.2	643.5	1542.7	1884.0	1913.2	1640.9
45°	65.3	68.5	74.6	83.8	144.4	287.1	638.1	1601.4	1958.1	1983.3	1689.3
47.5°	65.3	68.9	75.5	86.9	135.7	276.5	655.1	1678.6	2028.4	2040.6	1746.1
50°	64.9	68.7	78.1	83.8	122.9	263.2	695.2	1775.7	2104.3	2105.6	1818.3
52.5°	63.8	68.5	84.0	82.0	108.1	245.5	749.4	1900.5	2216.6	2225.0	1931.1
55°	62.6	67.8	82.5	78.1	95.9	224.7	793.7	2052.3	2374.4	2397.8	2097.1
57.5°	60.9	67.2	79.8	72.5	88.0	197.7	809.6	2163.3	2484.6	2543.3	2284.1
60°	59.6	66.7	72.0	69.1	83.2	175.1	778.7	2141.4	2477.0	2603.6	2449.9
62.5°	58.2	67.2	65.8	67.0	80.8	160.4	697.9	1965.4	2351.8	2541.5	2572.7
65°	56.7	62.4	62.1	65.1	80.3	154.7	578.5	1701.6	2109.5	2344.8	2601.8
67.5°	54.4	57.6	59.4	62.9	82.0	149.6	466.8	1403.6	1773.0	2049.9	2450.5
70°	52.2	54.8	56.8	60.1	81.0	147.3	388.2	1106.9	1406.7	1680.1	2152.2
72.5°	49.1	51.6	53.3	56.5	79.9	146.1	328.1	891.4	1050.3	1248.0	1749.9
75°	45.8	47.8	49.0	52.2	76.6	133.8	257.9	754.2	785.8	868.2	1393.8
77.5°	41.6	43.3	44.2	47.8	67.8	111.3	186.5	581.8	610.3	630.3	1068.5
80°	36.9	38.4	39.0	42.4	56.2	87.0	121.6	429.7	456.5	461.1	697.9
82.5°	31.5	33.1	33.1	36.2	46.1	62.6	79.8	294.5	299.8	315.1	493.2
85°	25.3	26.5	26.5	28.1	35.8	46.7	54.8	147.9	146.2	166.9	427.4
87.5°	18.1	19.0	19.9	20.2	25.5	30.9	33.1	44.9	29.7	34.0	274.4
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: P270170

CATALOG NUMBER: GWC-AF-01-LED-E1-SLR-7027-600

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	1080.3	1080.3	1080.3	1080.3	1080.3	1080.3	1080.3	1080.3
2.5°	1241.0	1251.0	1240.7	1233.5	1201.7	1175.4	1140.5	1122.5
5°	1334.1	1359.5	1351.0	1319.9	1253.5	1178.8	1093.9	1055.6
7.5°	1322.8	1382.0	1383.4	1325.5	1227.7	1117.6	1002.7	948.2
10°	1235.2	1310.9	1332.5	1276.5	1172.6	1049.6	917.8	855.5
12.5°	1137.4	1211.6	1228.2	1208.8	1122.1	998.5	864.7	803.7
15°	1057.5	1090.7	1110.5	1127.3	1078.5	978.1	861.7	794.7
17.5°	1008.7	1005.2	1010.8	1040.1	1048.3	1001.4	907.4	833.5
20°	991.2	934.7	933.3	973.9	1034.0	1057.1	996.7	908.0
22.5°	1000.9	909.4	897.9	945.8	1041.7	1137.4	1113.8	1012.7
25°	1034.3	911.6	902.3	948.7	1069.2	1223.1	1240.1	1148.0
27.5°	1086.9	925.0	912.7	960.3	1105.5	1294.9	1364.5	1279.1
30°	1136.7	948.2	932.9	983.1	1138.7	1323.5	1440.9	1381.5
32.5°	1197.4	991.5	964.7	1025.1	1179.8	1368.7	1509.0	1466.2
35°	1256.8	1053.4	1020.0	1090.1	1225.6	1425.3	1586.5	1574.5
37.5°	1322.0	1134.3	1106.7	1173.8	1288.4	1478.5	1685.7	1701.4
40°	1391.7	1241.5	1208.8	1296.3	1385.8	1545.3	1789.2	1827.0
42.5°	1461.8	1360.6	1321.4	1410.1	1493.0	1611.2	1877.8	1933.6
45°	1542.1	1489.7	1471.2	1567.1	1595.7	1673.9	1943.3	2012.6
47.5°	1635.6	1636.4	1666.0	1704.4	1699.5	1745.0	2009.0	2083.0
50°	1744.8	1819.3	1885.0	1910.3	1806.3	1821.3	2100.1	2177.4
52.5°	1875.9	2038.2	2119.5	2102.8	1921.5	1914.4	2244.8	2307.4
55°	2040.0	2269.8	2350.5	2338.6	2053.9	2041.3	2424.7	2461.3
57.5°	2229.8	2494.4	2568.6	2514.7	2212.7	2180.5	2573.6	2581.3
60°	2396.6	2672.2	2737.2	2677.7	2373.1	2328.8	2666.6	2629.1
62.5°	2489.5	2732.6	2778.2	2714.0	2482.8	2486.6	2687.0	2603.3
65°	2447.9	2580.1	2594.8	2589.6	2454.6	2578.1	2613.7	2484.0
67.5°	2220.8	2194.7	2219.6	2253.8	2212.0	2457.7	2410.6	2223.9
70°	1820.8	1677.9	1727.3	1750.3	1769.2	2114.8	2092.3	1811.4
72.5°	1372.2	1175.4	1214.5	1209.7	1297.6	1696.3	1627.2	1331.8
75°	972.2	796.9	801.8	800.0	905.4	1327.2	1178.2	911.2
77.5°	680.2	577.4	580.0	590.9	608.7	1000.9	841.8	665.6
80°	467.7	438.3	452.8	453.6	421.8	672.3	621.8	534.2
82.5°	348.5	304.6	301.1	306.2	330.7	544.7	478.0	370.6
85°	285.3	180.4	145.0	181.7	293.0	539.4	317.5	195.6
87.5°	160.6	85.6	38.6	71.8	116.9	357.2	91.7	25.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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