

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: P271594

Luminaire Tested: **ISS-AF-800-LED-E1-SL4-7027-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271594
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29763)-DOWNLIGHT AND
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISS-AF-800-LED-E1-SL4-7027-ULG
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-TYPE IV W/SPILL CONTROL, WITH UPLIGHT
GLOW
Light Source: (16) 2700K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5157.8 lumens
Efficiency: N/A
Efficacy: 85.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U5 - G1

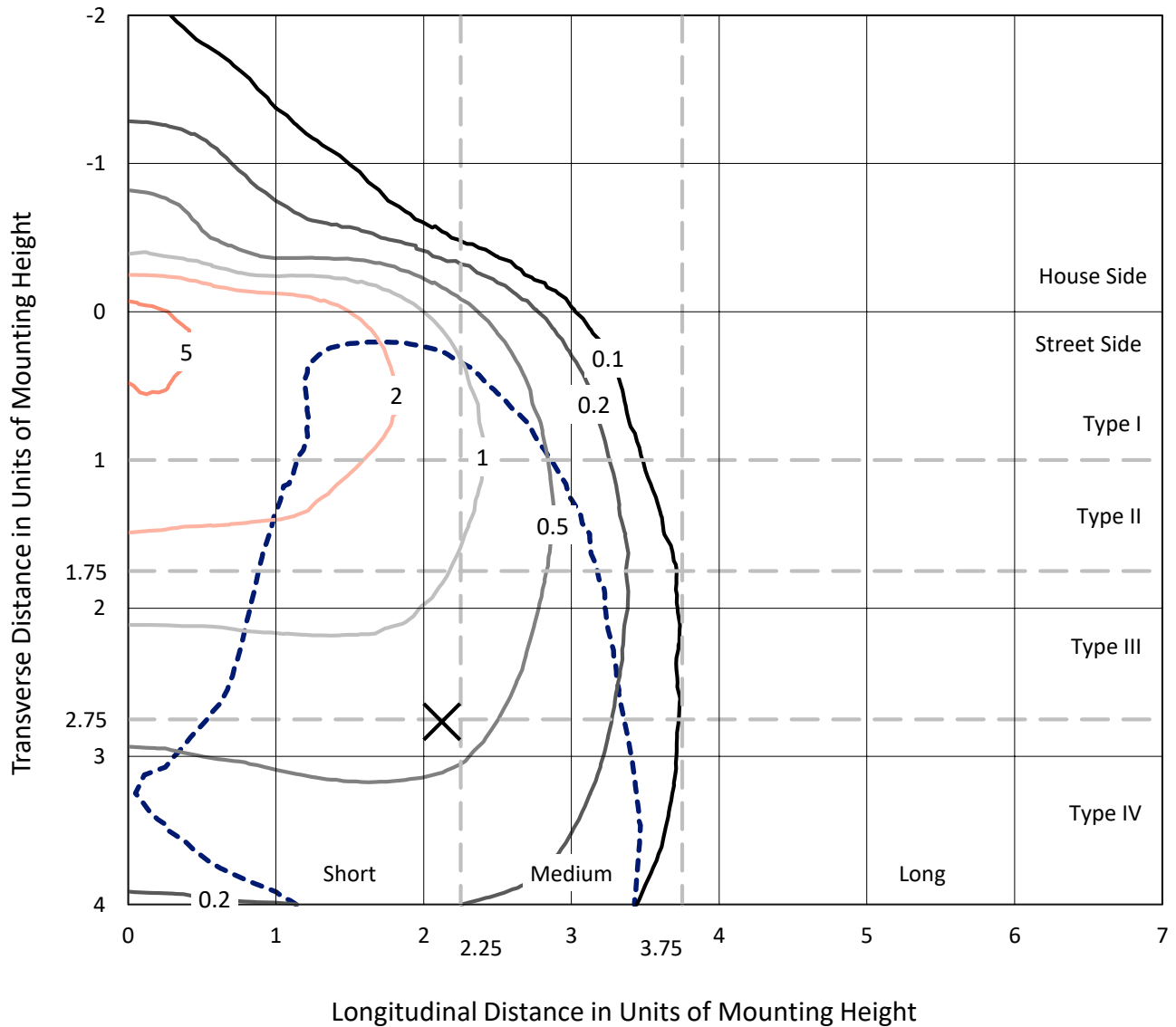
Input Watts (W): 60.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

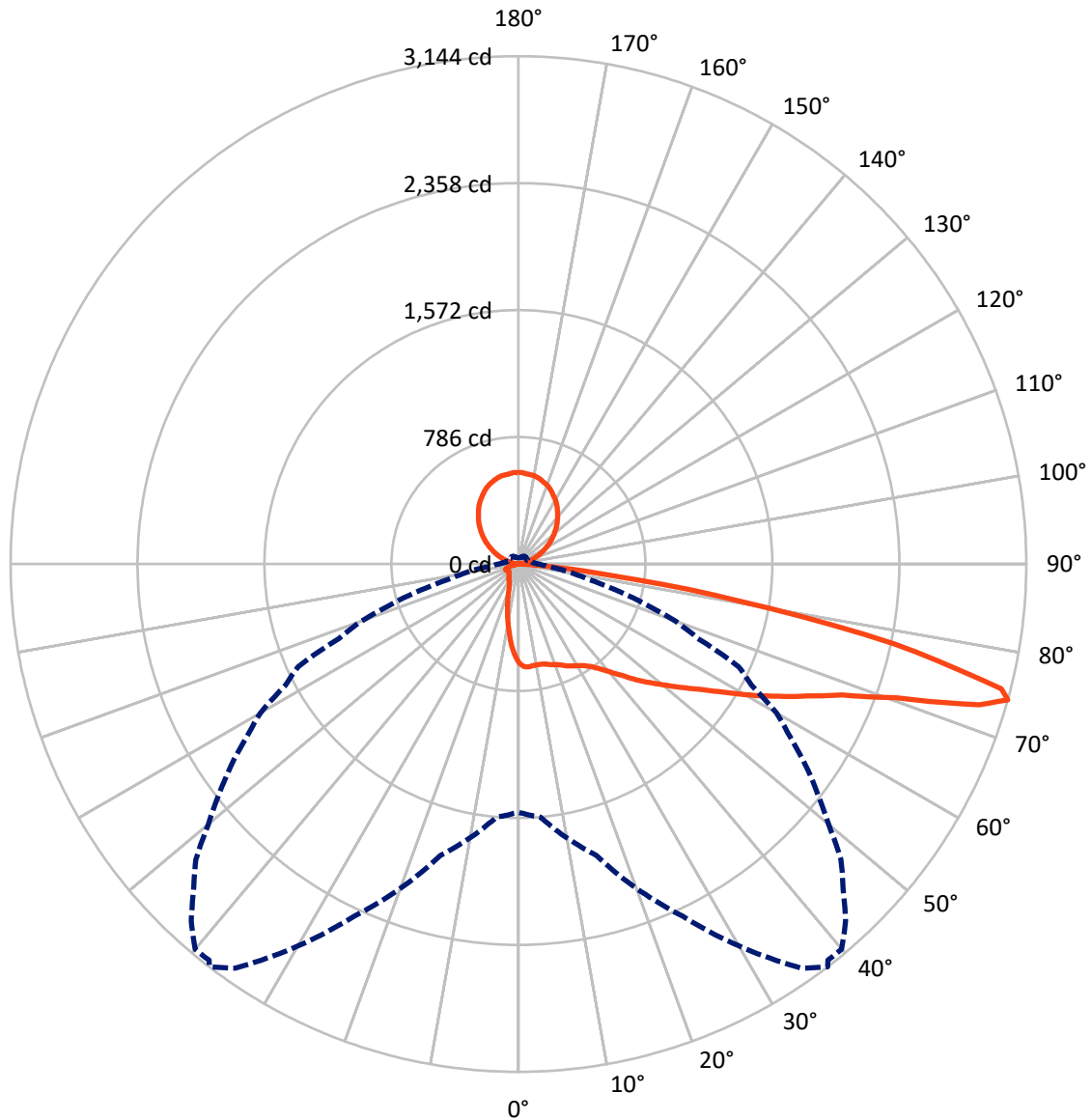


Based on 10 foot mounting height. Maximum calculated value = 6.5 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 37.5-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical

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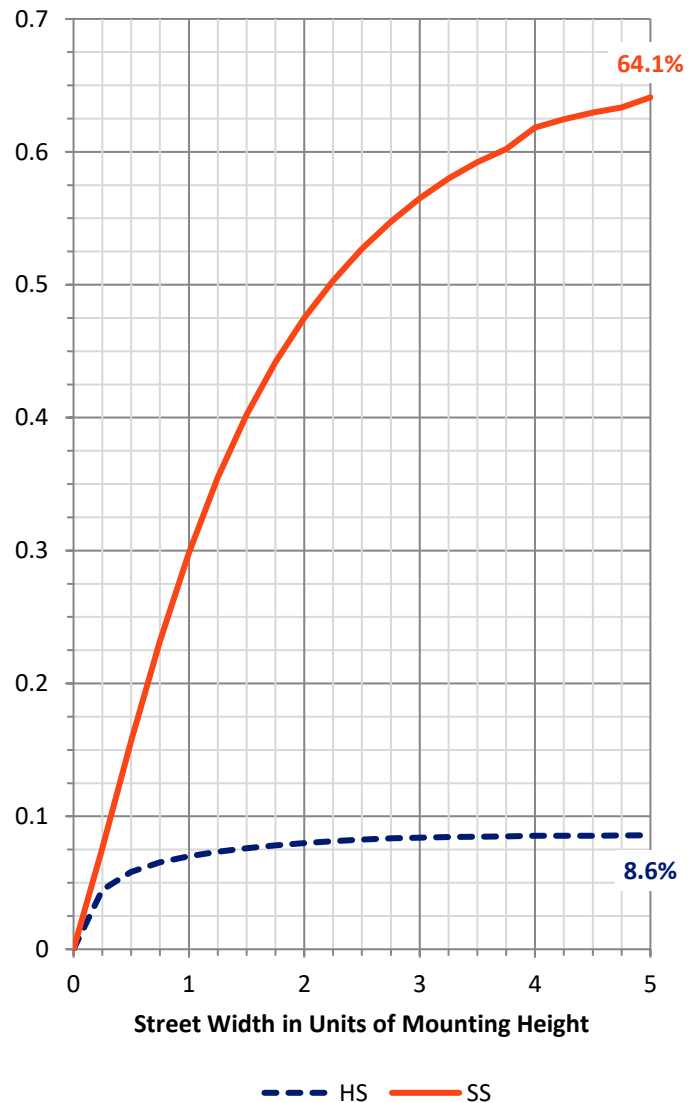
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	445.6	699.9	1145.5
	% Fixture	8.6	13.6	22.2
Street Side	Lumens	3312.5	699.9	4012.4
	% Fixture	64.2	13.6	77.8
Total	Lumens	3758.1	1399.8	5157.8
	% Fixture	72.9	27.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.4	1.0
10°-20°	136.0	2.6
20°-30°	210.8	4.1
30°-40°	312.6	6.1
40°-50°	480.9	9.3
50°-60°	710.9	13.8
60°-70°	947.6	18.4
70°-80°	817.9	15.9
80°-90°	88.0	1.7
90°-100°	4.7	0.1
100°-110°	67.7	1.3
110°-120°	150.2	2.9
120°-130°	219.7	4.3
130°-140°	260.7	5.1
140°-150°	264.3	5.1
150°-160°	226.8	4.4
160°-170°	152.2	3.0
170°-180°	53.3	1.0
0°-90°	3758.1	72.9
0°-180°	5157.8	100.0



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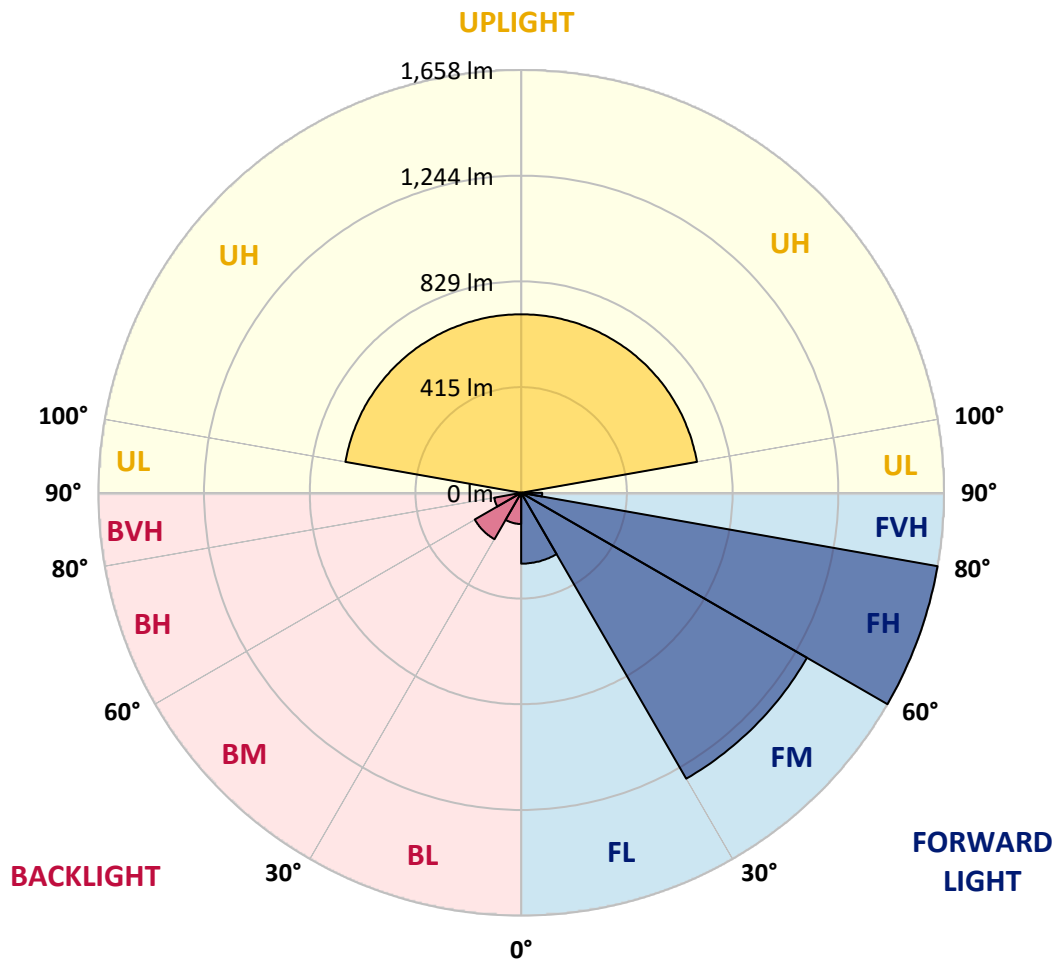
CATALOG NUMBER: ISS-AF-800-LED-E1-SL4-7027-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	277.8	5.4			
FM	(30°-60°)	1294.4	25.1			
FH	(60°-80°)	1658.1	32.1			G1/1800
FVH	(80°-90°)	82.2	1.6			G1/100
BL	(0°-30°)	122.3	2.4	B1/500		
BM	(30°-60°)	210.0	4.1	B0/220		
BH	(60°-80°)	107.4	2.1	B0/110		G0/110
BVH	(80°-90°)	5.8	0.1			G0/10
UL	(90°-100°)	4.7	0.1		U1/10	
UH	(100°-180°)	699.9	13.6		U4/1000	

BUG Rating: B1-U5-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37.5°	38°	40°	42.5°	45°	47.5°
0°	613.3	613.3	613.3	613.3	613.3	613.3	613.3	613.3	613.3	613.3	613.3
2.5°	648.4	646.9	644.2	642.7	640.0	635.7	640.0	634.3	631.5	634.3	628.7
5°	659.5	658.2	655.3	649.7	646.9	640.0	644.2	637.1	635.7	638.5	631.5
7.5°	661.0	658.2	654.0	646.9	644.2	635.7	638.5	630.1	627.3	630.1	625.8
10°	656.8	655.3	651.1	640.0	637.1	634.3	632.9	627.3	625.8	624.5	623.1
12.5°	649.7	649.7	646.9	642.7	641.3	635.7	637.1	631.5	632.9	630.1	627.3
15°	646.9	645.5	648.4	651.1	651.1	642.7	648.4	644.2	641.3	642.7	638.5
17.5°	644.2	645.5	655.3	661.0	663.8	655.3	663.8	655.3	649.7	656.8	649.7
20°	642.7	646.9	663.8	676.4	677.8	663.8	677.8	663.8	663.8	672.2	659.5
22.5°	649.7	656.8	680.6	694.7	697.4	679.2	696.1	677.8	677.8	684.9	672.2
25°	672.2	679.2	705.9	721.2	718.6	698.9	714.3	696.1	694.7	703.0	686.2
27.5°	701.7	711.5	736.8	750.8	740.9	714.3	736.8	710.1	710.1	722.8	700.3
30°	743.8	750.8	773.2	774.7	762.0	729.7	754.9	725.5	721.2	743.8	715.7
32.5°	790.1	795.7	812.6	802.7	784.5	750.8	780.3	745.1	743.8	767.6	735.4
35°	839.2	844.9	850.4	833.5	816.8	780.3	812.6	777.4	776.0	802.7	771.8
37.5°	889.7	889.7	889.7	870.1	858.9	823.7	853.2	825.1	822.4	850.4	820.9
40°	930.5	933.2	928.9	910.8	905.1	879.9	905.1	879.9	884.1	909.4	885.5
42.5°	964.2	966.8	968.4	952.8	958.5	944.5	964.2	945.8	947.3	975.3	961.3
45°	997.7	996.4	1007.6	1003.4	1020.3	1021.6	1032.8	1025.9	1028.6	1049.7	1045.4
47.5°	1032.8	1025.9	1038.5	1056.8	1087.6	1097.4	1104.5	1107.3	1118.5	1128.3	1138.2
50°	1066.6	1059.6	1067.9	1108.7	1157.7	1178.8	1180.2	1194.3	1206.9	1220.9	1240.6
52.5°	1101.6	1096.0	1104.5	1162.0	1240.6	1270.0	1265.8	1289.7	1307.9	1323.3	1355.6
55°	1138.2	1132.5	1140.8	1226.5	1329.0	1369.6	1365.4	1399.1	1434.2	1439.8	1476.4
57.5°	1173.2	1166.2	1190.1	1302.4	1434.2	1495.9	1476.4	1528.3	1562.0	1559.1	1609.7
60°	1211.1	1205.4	1243.3	1394.9	1566.1	1646.1	1616.7	1685.4	1709.3	1699.4	1747.1
62.5°	1247.6	1246.2	1309.3	1503.0	1726.1	1803.3	1776.7	1836.9	1853.8	1841.2	1865.0
65°	1281.3	1289.7	1380.9	1611.0	1880.5	1968.8	1932.4	1992.7	2012.5	2002.6	2043.3
67.5°	1337.4	1347.2	1469.3	1748.6	2071.3	2162.6	2131.7	2194.8	2224.3	2221.5	2266.4
70°	1420.2	1438.5	1599.8	1943.7	2361.8	2478.3	2461.4	2538.6	2610.3	2604.5	2649.6
72.5°	1564.8	1594.2	1814.6	2246.8	2838.9	2980.7	2961.0	3004.5	2992.0	2889.5	2806.7
74°	1536.7	1573.1	1867.8	2405.3	3053.7	3143.5	3111.2	3112.5	2997.6	2841.8	2708.5
75°	1434.2	1472.1	1790.7	2385.7	3038.2	3087.4	3041.0	2983.5	2844.6	2686.0	2521.8
77.5°	983.7	1032.8	1316.4	1926.8	2446.1	2378.6	2367.4	2258.0	2074.2	1896.0	1685.4
80°	503.8	538.9	680.6	1007.6	1451.0	1383.7	1406.2	1317.7	1164.8	1035.7	820.9
82.5°	120.7	129.1	200.7	390.1	628.7	575.4	583.8	516.4	428.0	349.4	270.9
85°	63.2	71.5	98.3	108.1	165.6	171.1	166.9	161.3	131.9	110.9	96.8
87.5°	0.0	0.0	0.0	2.9	1.3	0.0	1.3	0.0	0.0	1.3	2.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	2.0	2.0	2.0	3.0	4.0	5.1	5.4	6.4	7.6	8.8	9.8
100°	7.8	7.8	9.8	13.7	21.6	23.5	24.0	25.5	27.5	29.5	29.9
102.5°	27.5	27.5	31.4	37.3	44.2	45.4	45.6	46.6	47.9	49.0	49.2
105°	53.0	53.0	55.0	59.8	64.8	65.8	65.9	66.7	67.7	68.7	68.9
107.5°	76.5	75.5	78.5	82.5	86.3	87.1	87.2	87.9	88.6	89.3	89.8



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CATALOG NUMBER: ISS-AF-800-LED-E1-SL4-7027-ULG

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	37.5°	38°	40°	42.5°	45°	47.5°
110°	99.2	100.1	101.1	104.0	108.0	108.4	108.5	109.0	109.4	110.0	110.4
112.5°	121.7	121.7	123.7	126.6	129.5	130.1	130.2	130.5	131.1	131.5	132.1
115°	143.3	144.3	146.2	148.2	151.2	151.6	151.7	152.2	152.6	153.1	153.6
117.5°	165.8	166.8	168.8	170.8	173.7	174.2	174.3	174.7	175.2	175.7	175.9
120°	189.5	191.4	192.3	194.3	197.3	197.4	197.5	197.8	198.1	198.3	198.7
122.5°	215.0	216.0	216.9	218.8	221.8	222.0	222.2	222.3	222.6	222.8	223.0
125°	239.5	241.5	242.5	243.4	246.3	246.6	246.7	246.9	247.1	247.3	247.6
127.5°	262.0	264.0	265.0	267.0	269.0	269.4	269.5	269.9	270.4	270.9	271.4
130°	284.7	286.6	287.5	288.5	292.5	292.7	292.8	292.9	293.3	293.5	293.9
132.5°	307.2	308.2	311.2	312.1	315.0	315.2	315.3	315.6	315.8	316.0	316.8
135°	329.8	330.8	332.7	334.7	338.6	338.6	338.6	338.6	338.6	338.6	339.4
137.5°	352.3	353.3	356.3	357.3	360.2	360.2	360.2	360.2	360.2	360.2	360.7
140°	375.0	375.9	377.8	378.8	380.8	381.0	381.2	381.3	381.6	381.8	382.0
142.5°	396.5	398.5	400.5	399.5	402.4	402.4	402.4	402.4	402.4	402.4	402.9
145°	417.2	418.1	420.0	420.0	423.0	423.2	423.3	423.6	423.8	424.0	424.4
147.5°	435.8	435.8	438.7	439.7	443.7	443.9	443.9	444.1	444.4	444.6	444.8
150°	452.5	453.5	455.4	456.4	460.3	460.5	460.7	460.8	461.1	461.3	461.5
152.5°	470.2	471.1	474.0	473.0	476.0	476.2	476.3	476.6	476.8	477.0	477.2
155°	489.8	490.7	492.7	491.7	493.7	493.7	493.7	493.7	493.7	493.7	493.9
157.5°	503.5	505.5	507.5	506.5	509.4	509.4	509.4	509.4	509.4	509.4	509.4
160°	515.3	517.2	519.2	519.2	522.2	522.2	522.2	522.2	522.2	522.2	522.2
162.5°	525.1	526.0	529.0	528.0	531.0	531.0	531.0	531.0	531.0	531.0	531.2
165°	535.9	536.8	538.8	537.8	541.8	541.8	541.8	541.8	541.8	541.8	541.9
167.5°	544.7	545.7	548.7	547.7	550.6	550.4	550.3	550.1	549.9	549.7	549.7
170°	551.6	552.5	555.5	554.5	556.5	556.3	556.2	556.1	555.7	555.5	555.3
172.5°	554.5	555.5	558.5	556.5	558.5	558.3	558.2	557.9	557.7	557.5	557.7
175°	556.5	558.5	559.5	558.5	561.4	561.4	561.4	561.4	561.4	561.4	561.6
177.5°	561.4	562.4	564.3	563.3	567.3	567.1	567.0	566.8	566.5	566.3	566.3
180°	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3



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CANDELA DISTRIBUTION (continued):

	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°
0°	613.3	613.3	613.3	613.3	613.3	613.3	613.3	613.3	613.3	613.3	613.3
2.5°	632.9	630.1	632.9	624.5	628.7	621.6	624.5	617.5	620.3	614.7	616.1
5°	635.7	628.7	632.9	625.8	627.3	621.6	620.3	617.5	616.1	611.8	609.1
7.5°	628.7	623.1	621.6	618.9	614.7	616.1	610.5	609.1	604.9	604.9	596.5
10°	621.6	623.1	614.7	617.5	610.5	611.8	602.0	604.9	597.8	603.4	590.8
12.5°	627.3	628.7	621.6	625.8	613.3	616.1	607.6	611.8	602.0	609.1	593.6
15°	640.0	638.5	635.7	635.7	623.1	628.7	618.9	621.6	611.8	620.3	603.4
17.5°	651.1	649.7	645.5	644.2	635.7	637.1	627.3	632.9	621.6	628.7	611.8
20°	663.8	656.8	655.3	654.0	644.2	644.2	637.1	640.0	628.7	637.1	617.5
22.5°	673.5	668.0	666.6	661.0	654.0	656.8	646.9	648.4	637.1	645.5	628.7
25°	689.0	682.0	682.0	673.5	669.3	668.0	662.4	666.6	655.3	661.0	645.5
27.5°	710.1	694.7	700.3	691.9	689.0	687.7	684.9	687.7	679.2	683.4	668.0
30°	729.7	710.1	718.6	707.2	712.9	707.2	711.5	707.2	707.2	707.2	700.3
32.5°	756.5	732.6	749.4	732.6	743.8	735.4	749.4	740.9	746.6	745.1	742.4
35°	794.3	766.3	790.1	767.6	787.3	776.0	795.7	791.5	802.7	797.1	802.7
37.5°	844.9	815.3	843.4	822.4	846.2	829.3	857.4	854.6	878.5	870.1	878.5
40°	908.0	886.9	908.0	892.6	917.8	910.8	940.3	941.6	968.4	964.2	973.9
42.5°	978.2	962.7	983.7	975.3	1000.6	1006.2	1039.9	1048.3	1073.6	1080.6	1082.0
45°	1053.9	1051.1	1067.9	1076.3	1101.6	1118.5	1147.9	1169.0	1197.0	1212.5	1209.7
47.5°	1142.4	1153.5	1164.8	1185.9	1208.3	1243.3	1272.8	1299.5	1331.7	1341.6	1345.8
50°	1242.0	1261.6	1271.4	1300.8	1323.3	1366.8	1407.6	1441.2	1476.4	1472.1	1474.8
52.5°	1347.2	1372.5	1386.5	1421.6	1451.0	1501.6	1536.7	1568.9	1612.5	1601.2	1597.0
55°	1463.7	1501.6	1512.7	1552.1	1577.3	1629.3	1660.2	1716.3	1734.5	1723.3	1699.4
57.5°	1587.1	1632.1	1644.8	1698.1	1710.7	1766.8	1793.5	1831.4	1846.7	1828.6	1797.7
60°	1727.5	1768.2	1778.0	1825.7	1842.6	1894.5	1914.2	1947.9	1959.0	1914.2	1870.7
62.5°	1867.8	1910.0	1915.5	1957.7	1974.6	2019.4	2041.8	2061.5	2056.0	1989.9	1935.2
65°	2027.8	2068.5	2082.6	2124.7	2134.6	2168.1	2186.5	2163.9	2151.4	2051.7	1989.9
67.5°	2281.9	2325.4	2330.9	2340.7	2339.4	2322.6	2314.1	2236.9	2180.7	1996.9	1908.6
70°	2615.9	2583.5	2520.5	2447.4	2394.2	2298.7	2242.6	2084.0	1966.1	1759.8	1611.0
72.5°	2676.2	2570.9	2415.1	2290.3	2161.1	2010.9	1890.3	1650.4	1484.8	1268.7	1111.5
74°	2504.9	2333.8	2169.6	1994.1	1845.4	1626.5	1504.4	1201.2	1037.0	818.2	627.3
75°	2298.7	2098.0	1912.7	1689.6	1550.7	1288.3	1173.2	846.2	682.0	485.5	326.9
77.5°	1466.6	1226.5	1049.7	791.5	683.4	471.5	345.2	214.8	158.6	139.0	120.7
80°	658.2	468.7	371.9	256.8	214.8	164.2	139.0	112.3	102.5	89.8	85.6
82.5°	210.6	168.4	160.0	143.1	143.1	115.1	98.3	77.2	70.2	60.4	54.8
85°	91.2	85.6	88.4	81.4	82.8	63.2	50.6	37.9	37.9	26.7	23.9
87.5°	2.9	0.0	1.3	0.0	2.9	0.0	1.3	0.0	1.3	0.0	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	10.8	11.8	12.8	11.3	9.8	8.4	6.8	6.4	5.9	5.4	4.9
100°	30.5	30.9	31.4	30.9	30.5	29.9	29.5	28.7	27.9	27.3	26.5
102.5°	49.6	49.9	50.0	49.9	49.6	49.2	49.0	48.6	48.1	47.6	47.1
105°	69.2	69.5	69.7	69.7	69.7	69.7	69.7	69.2	68.7	68.2	67.7
107.5°	90.3	90.8	91.3	91.1	90.8	90.5	90.3	90.1	89.8	89.5	89.3



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CANDELA DISTRIBUTION (continued):

	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°
110°	110.9	111.4	111.9	111.9	111.9	111.9	111.9	111.7	111.4	111.1	110.9
112.5°	132.5	132.9	133.5	133.5	133.5	133.5	133.5	133.3	132.9	132.7	132.5
115°	154.1	154.6	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0
117.5°	176.2	176.4	176.7	176.9	177.1	177.4	177.7	177.4	177.1	176.9	176.7
120°	199.2	199.7	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2
122.5°	223.3	223.6	223.8	223.8	223.8	223.8	223.8	223.9	224.3	224.6	224.8
125°	247.8	248.1	248.3	248.5	248.8	249.1	249.3	249.3	249.3	249.3	249.3
127.5°	271.8	272.4	272.8	272.6	272.4	272.1	271.8	272.1	272.4	272.6	272.8
130°	294.5	294.9	295.5	295.5	295.5	295.5	295.5	295.6	295.9	296.2	296.4
132.5°	317.6	318.2	319.0	319.0	319.0	319.0	319.0	319.2	319.4	319.8	320.0
135°	340.1	340.7	341.5	341.5	341.5	341.5	341.5	341.7	342.1	342.3	342.5
137.5°	361.2	361.7	362.2	362.2	362.2	362.2	362.2	362.4	362.6	362.9	363.2
140°	382.3	382.6	382.8	382.8	382.8	382.8	382.8	383.3	383.8	384.3	384.7
142.5°	403.4	403.9	404.3	404.3	404.3	404.3	404.3	404.6	404.9	405.1	405.3
145°	425.0	425.4	426.0	425.8	425.4	425.2	425.0	425.2	425.4	425.8	426.0
147.5°	445.1	445.4	445.6	445.1	444.6	444.1	443.7	443.9	444.1	444.4	444.6
150°	461.8	462.1	462.3	461.8	461.3	460.8	460.3	460.3	460.3	460.3	460.3
152.5°	477.4	477.8	478.0	477.8	477.4	477.2	477.0	477.0	477.0	477.0	477.0
155°	494.2	494.4	494.7	494.4	494.2	493.9	493.7	493.9	494.2	494.4	494.7
157.5°	509.4	509.4	509.4	508.9	508.4	507.9	507.5	507.6	507.9	508.2	508.4
160°	522.2	522.2	522.2	521.6	521.2	520.7	520.2	520.2	520.2	520.2	520.2
162.5°	531.4	531.8	532.0	531.4	531.0	530.4	530.0	529.6	529.0	528.6	528.0
165°	542.3	542.6	542.8	541.9	541.3	540.6	539.8	539.3	538.8	538.4	537.8
167.5°	549.7	549.7	549.7	549.1	548.7	548.1	547.7	547.9	548.1	548.4	548.7
170°	555.1	554.7	554.5	554.3	554.1	553.7	553.5	554.1	554.5	555.1	555.5
172.5°	557.9	558.3	558.5	557.9	557.5	556.9	556.5	556.7	556.9	557.3	557.5
175°	561.9	562.2	562.4	561.6	560.9	560.3	559.5	558.9	558.5	557.9	557.5
177.5°	566.3	566.3	566.3	565.6	564.9	564.1	563.3	563.3	563.3	563.3	563.3
180°	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3



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CANDELA DISTRIBUTION (continued):

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°
0°	613.3	613.3	613.3	613.3	613.3	613.3	613.3	613.3	613.3	613.3	613.3
2.5°	610.5	613.3	611.8	606.3	604.9	600.7	590.8	592.3	586.6	590.8	583.8
5°	604.9	603.4	597.8	590.8	583.8	575.4	568.4	565.6	559.9	557.1	552.9
7.5°	596.5	590.8	580.9	569.7	559.9	548.8	543.0	533.2	530.4	520.7	519.2
10°	593.6	583.8	572.6	558.6	541.7	524.9	523.4	506.6	505.2	489.8	485.5
12.5°	599.2	586.6	572.6	555.7	536.1	512.2	512.2	486.9	485.5	464.5	457.5
15°	610.5	594.9	576.8	557.1	531.9	502.4	501.0	471.5	468.7	443.4	435.0
17.5°	620.3	599.2	582.4	555.7	526.2	492.6	485.5	456.1	450.5	420.9	409.8
20°	627.3	603.4	583.8	552.9	516.4	477.1	467.3	436.5	423.8	394.4	378.9
22.5°	635.7	613.3	586.6	551.5	510.9	464.5	443.4	415.4	397.1	366.3	345.2
25°	648.4	628.7	596.5	555.7	506.6	451.8	423.8	394.4	369.0	338.2	307.3
27.5°	668.0	648.4	610.5	561.4	505.2	439.2	408.4	371.9	341.0	307.3	272.3
30°	696.1	675.0	634.3	576.8	506.6	429.4	391.5	352.2	315.8	276.5	239.9
32.5°	732.6	715.7	665.1	593.6	512.2	420.9	376.1	331.1	286.3	248.4	216.1
35°	783.1	771.8	708.8	625.8	526.2	416.8	360.7	311.5	261.0	223.0	188.0
37.5°	857.4	842.0	771.8	672.2	548.8	414.0	349.4	287.6	239.9	199.2	169.8
40°	951.5	930.5	846.2	728.3	583.8	415.4	339.6	269.4	221.7	178.2	154.4
42.5°	1063.8	1032.8	937.4	797.1	618.9	418.3	334.0	252.6	207.7	161.3	143.1
45°	1190.1	1155.0	1045.4	882.8	669.3	425.2	329.8	238.6	195.0	148.8	136.1
47.5°	1313.5	1278.5	1156.4	968.4	721.2	437.8	332.6	230.1	186.7	141.8	127.6
50°	1434.2	1397.8	1254.7	1045.4	766.3	454.7	343.8	231.5	185.2	139.0	123.4
52.5°	1540.9	1495.9	1338.8	1105.8	798.5	466.0	353.7	235.7	186.7	137.5	122.1
55°	1647.5	1590.0	1406.2	1153.5	818.2	467.3	353.7	237.2	188.0	137.5	120.7
57.5°	1727.5	1661.5	1458.1	1181.6	825.1	460.3	345.2	230.1	179.6	136.1	117.9
60°	1778.0	1707.9	1494.6	1199.9	815.3	430.8	300.3	203.5	158.6	126.3	109.4
62.5°	1820.1	1748.6	1505.8	1169.0	732.6	342.4	234.4	165.6	131.9	112.3	101.0
65°	1829.9	1744.4	1427.1	1032.8	572.6	237.2	169.8	130.5	108.1	99.6	91.2
67.5°	1681.2	1578.7	1199.9	808.4	390.1	162.9	126.3	106.7	92.6	88.4	85.6
70°	1366.8	1254.7	878.5	529.0	217.5	113.6	96.8	88.4	79.9	79.9	75.7
72.5°	881.2	764.9	450.5	225.9	110.9	87.0	78.6	75.7	68.8	70.2	65.9
74°	450.5	350.9	183.8	119.3	91.2	77.2	70.2	68.8	61.7	63.2	59.0
75°	228.8	181.0	129.1	99.6	84.2	73.0	64.6	64.6	56.1	57.5	53.3
77.5°	106.7	102.5	88.4	78.6	71.5	61.7	53.3	51.9	43.5	46.4	40.7
80°	74.4	74.4	68.8	65.9	59.0	50.6	40.7	40.7	32.2	33.7	29.5
82.5°	42.1	39.3	39.3	44.9	46.4	37.9	29.5	28.0	23.9	23.9	19.7
85°	18.2	21.0	25.2	30.9	33.7	29.5	21.0	19.7	12.7	12.7	7.0
87.5°	0.0	1.3	1.3	2.9	5.6	5.6	0.0	2.9	0.0	1.3	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	4.7	4.4	4.0	4.0	4.0	4.4	4.7	4.9	5.4	5.9	6.4
100°	26.3	26.1	25.5	24.5	25.5	26.1	26.3	26.5	27.3	27.9	28.7
102.5°	47.3	47.6	48.1	47.1	48.1	47.6	47.3	47.1	47.6	48.1	48.6
105°	68.2	68.7	69.7	67.7	69.7	68.7	68.2	67.7	68.2	68.7	69.2
107.5°	89.5	89.8	90.3	89.3	90.3	89.8	89.5	89.3	89.5	89.8	90.1



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°	
110°	111.1	111.4	111.9	110.9	111.9	111.4	111.1	110.9	111.1	111.4	111.7	0°
112.5°	132.9	133.5	134.5	132.5	134.5	133.5	132.9	132.5	132.7	132.9	133.3	2.5°
115°	155.6	156.0	157.0	156.0	157.0	156.0	155.6	155.0	155.0	155.0	155.0	5°
117.5°	177.1	177.7	178.7	176.7	178.7	177.7	177.1	176.7	176.9	177.1	177.4	7.5°
120°	200.7	201.2	202.2	200.2	202.2	201.2	200.7	200.2	200.2	200.2	200.2	10°
122.5°	225.7	226.7	228.7	227.7	228.7	226.7	225.7	224.8	224.6	224.3	223.9	12.5°
125°	250.1	250.8	252.2	251.3	252.2	250.8	250.1	249.3	249.3	249.3	249.3	15°
127.5°	273.6	274.3	275.8	272.8	275.8	274.3	273.6	272.8	272.6	272.4	272.1	17.5°
130°	297.2	297.9	299.3	297.4	299.3	297.9	297.2	296.4	296.2	295.9	295.6	20°
132.5°	320.8	321.4	322.9	321.0	322.9	321.4	320.8	320.0	319.8	319.4	319.2	22.5°
135°	343.1	343.5	344.5	343.5	344.5	343.5	343.1	342.5	342.3	342.1	341.7	25°
137.5°	364.2	365.1	367.0	365.1	367.0	365.1	364.2	363.2	362.9	362.6	362.4	27.5°
140°	385.7	386.7	388.7	386.7	388.7	386.7	385.7	384.7	384.3	383.8	383.3	30°
142.5°	406.1	406.8	408.3	407.3	408.3	406.8	406.1	405.3	405.1	404.9	404.6	32.5°
145°	426.8	427.4	428.9	427.0	428.9	427.4	426.8	426.0	425.8	425.4	425.2	35°
147.5°	445.4	446.1	447.5	444.6	447.5	446.1	445.4	444.6	444.4	444.1	443.9	37.5°
150°	461.3	462.3	464.2	461.3	464.2	462.3	461.3	460.3	460.3	460.3	460.3	40°
152.5°	477.8	478.4	480.0	477.0	480.0	478.4	477.8	477.0	477.0	477.0	477.0	42.5°
155°	495.4	496.1	497.6	495.7	497.6	496.1	495.4	494.7	494.4	494.2	493.9	45°
157.5°	509.6	510.9	513.3	510.3	513.3	510.9	509.6	508.4	508.2	507.9	507.6	47.5°
160°	520.9	521.6	523.2	521.2	523.2	521.6	520.9	520.2	520.2	520.2	520.2	50°
162.5°	528.6	529.0	530.0	527.0	530.0	529.0	528.6	528.0	528.6	529.0	529.6	52.5°
165°	538.4	538.8	539.8	537.8	539.8	538.8	538.4	537.8	538.4	538.8	539.3	55°
167.5°	549.7	550.6	552.5	550.6	552.5	550.6	549.7	548.7	548.4	548.1	547.9	57.5°
170°	556.7	557.9	560.5	558.5	560.5	557.9	556.7	555.5	555.1	554.5	554.1	60°
172.5°	558.3	558.9	560.5	557.5	560.5	558.9	558.3	557.5	557.3	556.9	556.7	62.5°
175°	558.3	558.9	560.5	557.5	560.5	558.9	558.3	557.5	557.9	558.5	558.9	65°
177.5°	564.1	564.9	566.3	563.3	566.3	564.9	564.1	563.3	563.3	563.3	563.3	67.5°
180°	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	70°
												72.5°
												74°
												75°
												77.5°
												80°
												82.5°
												85°
												87.5°
												90°
												92.5°
												95°
												97.5°
												100°
												102.5°
												105°
												107.5°

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DISTRIBUTION (continued):

CANDELA DISTRIBUTION

115°	117.5°	120°	122.5°	125°	127.5°	130°	135°	145°	155°	165°	110°	115°
613.3	613.3	613.3	613.3	613.3	613.3	613.3	613.3	613.3	613.3	613.3	110°	111.9
586.6	579.6	583.8	576.8	579.6	572.6	575.4	571.1	566.9	561.4	559.9	112.5°	133.5
548.8	543.0	541.7	534.7	536.1	530.4	524.9	517.9	509.4	498.2	494.0	115°	155.0
506.6	505.2	495.3	491.1	485.5	480.0	470.2	458.9	442.1	426.7	416.8	117.5°	177.7
470.2	466.0	451.8	444.9	436.5	429.4	415.4	399.9	376.1	352.2	339.6	120°	200.2
439.2	433.6	415.4	406.9	394.4	385.9	369.0	349.4	315.8	282.1	266.7	122.5°	223.8
414.0	405.6	384.6	371.9	355.0	346.7	328.4	300.3	259.6	224.6	203.5	125°	249.3
384.6	373.2	350.9	335.3	318.6	303.1	284.9	255.4	209.0	176.9	155.8	127.5°	271.8
352.2	338.2	314.4	293.3	275.0	261.0	242.8	213.3	166.9	141.8	130.5	130°	295.5
318.6	296.1	275.0	256.8	235.7	221.7	203.5	176.9	141.8	127.6	123.4	132.5°	319.0
283.4	258.3	237.2	219.0	199.2	186.7	171.1	150.2	129.1	125.0	125.0	135°	341.5
248.4	223.0	203.5	185.2	168.4	160.0	146.0	131.9	122.1	123.4	125.0	137.5°	362.2
216.1	190.9	172.7	158.6	143.1	137.5	126.3	117.9	116.5	120.7	122.1	140°	382.8
188.0	165.6	148.8	137.5	125.0	122.1	112.3	108.1	112.3	117.9	116.5	142.5°	404.3
164.2	146.0	129.1	122.1	110.9	109.4	102.5	99.6	105.2	112.3	112.3	145°	425.0
146.0	129.1	116.5	110.9	102.5	101.0	95.4	92.6	96.8	106.7	109.4	147.5°	443.7
130.5	120.7	108.1	102.5	96.8	94.1	91.2	88.4	89.8	102.5	103.8	150°	460.3
120.7	113.6	102.5	99.6	92.6	91.2	87.0	84.2	85.6	95.4	99.6	152.5°	477.0
113.6	108.1	98.3	96.8	89.8	88.4	84.2	81.4	82.8	91.2	95.4	155°	493.7
108.1	102.5	94.1	91.2	87.0	85.6	82.8	79.9	79.9	88.4	92.6	157.5°	507.5
105.2	99.6	91.2	88.4	84.2	82.8	79.9	77.2	78.6	85.6	88.4	160°	520.2
103.8	96.8	89.8	85.6	82.8	79.9	77.2	74.4	75.7	82.8	85.6	162.5°	530.0
103.8	95.4	89.8	85.6	81.4	77.2	75.7	71.5	74.4	79.9	84.2	165°	539.8
103.8	95.4	89.8	85.6	82.8	78.6	75.7	73.0	74.4	79.9	84.2	167.5°	547.7
101.0	94.1	91.2	87.0	85.6	81.4	79.9	77.2	77.2	84.2	91.2	170°	553.5
96.8	92.6	91.2	88.4	88.4	85.6	85.6	82.8	82.8	91.2	98.3	172.5°	556.5
91.2	88.4	89.8	88.4	88.4	88.4	87.0	87.0	87.0	94.1	102.5	175°	559.5
85.6	84.2	85.6	85.6	87.0	85.6	87.0	85.6	85.6	92.6	101.0	177.5°	563.3
77.2	77.2	78.6	77.2	78.6	78.6	79.9	79.9	79.9	84.2	92.6	180°	565.3
67.4	65.9	67.4	65.9	68.8	65.9	68.8	70.2	68.8	70.2	74.4		
60.4	59.0	60.4	59.0	61.7	59.0	60.4	60.4	59.0	47.7	40.7		
54.8	53.3	54.8	53.3	56.1	53.3	56.1	54.8	51.9	35.0	33.7		
43.5	39.3	43.5	39.3	42.1	37.9	40.7	35.0	26.7	25.2	25.2		
32.2	28.0	30.9	26.7	25.2	19.7	21.0	19.7	18.2	19.7	19.7		
19.7	14.0	16.9	12.7	15.5	11.2	14.0	12.7	11.2	11.2	11.2		
9.8	7.0	9.8	5.6	8.4	5.6	7.0	7.0	4.2	4.2	4.2		
1.3	0.0	2.9	0.0	2.9	0.0	1.3	1.3	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
6.8	8.4	9.8	11.3	12.8	11.8	10.8	8.8	4.0	3.0	2.0		
29.5	29.9	30.5	30.9	31.4	30.9	30.5	29.5	21.6	13.7	9.8		
49.0	49.2	49.6	49.9	50.0	49.9	49.6	49.0	44.2	37.3	31.4		
69.7	69.7	69.7	69.7	69.7	69.5	69.2	68.7	64.8	59.8	55.0		
90.3	90.5	90.8	91.1	91.3	90.8	90.3	89.3	86.3	82.5	78.5		

'271594
 ISS-AF-800-LED-E1-SL4-7027-ULG

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TION (continued):

CANDELA DISTRIBUTION (con

117.5°	120°	122.5°	125°	127.5°	130°	135°	145°	155°	165°		175°	180°
111.9	111.9	111.9	111.9	111.4	110.9	110.0	108.0	104.0	101.1	0°	613.3	613.3
133.5	133.5	133.5	133.5	132.9	132.5	131.5	129.5	126.6	123.7	2.5°	555.7	557.1
155.0	155.0	155.0	155.0	154.6	154.1	153.1	151.2	148.2	146.2	5°	486.9	491.1
177.4	177.1	176.9	176.7	176.4	176.2	175.7	173.7	170.8	168.8	7.5°	411.2	414.0
200.2	200.2	200.2	200.2	199.7	199.2	198.3	197.3	194.3	192.3	10°	331.1	334.0
223.8	223.8	223.8	223.8	223.6	223.3	222.8	221.8	218.8	216.9	12.5°	255.4	258.3
249.1	248.8	248.5	248.3	248.1	247.8	247.3	246.3	243.4	242.5	15°	192.2	189.5
272.1	272.4	272.6	272.8	272.4	271.8	270.9	269.0	267.0	265.0	17.5°	147.3	144.5
295.5	295.5	295.5	295.5	294.9	294.5	293.5	292.5	288.5	287.5	20°	125.0	125.0
319.0	319.0	319.0	319.0	318.2	317.6	316.0	315.0	312.1	311.2	22.5°	122.1	120.7
341.5	341.5	341.5	341.5	340.7	340.1	338.6	338.6	334.7	332.7	25°	123.4	122.1
362.2	362.2	362.2	362.2	361.7	361.2	360.2	360.2	357.3	356.3	27.5°	123.4	122.1
382.8	382.8	382.8	382.8	382.6	382.3	381.8	380.8	378.8	377.8	30°	120.7	119.3
404.3	404.3	404.3	404.3	403.9	403.4	402.4	402.4	399.5	400.5	32.5°	116.5	115.1
425.2	425.4	425.8	426.0	425.4	425.0	424.0	423.0	420.0	420.0	35°	112.3	112.3
444.1	444.6	445.1	445.6	445.4	445.1	444.6	443.7	439.7	438.7	37.5°	109.4	110.9
460.8	461.3	461.8	462.3	462.1	461.8	461.3	460.3	456.4	455.4	40°	105.2	106.7
477.2	477.4	477.8	478.0	477.8	477.4	477.0	476.0	473.0	474.0	42.5°	101.0	102.5
493.9	494.2	494.4	494.7	494.4	494.2	493.7	493.7	491.7	492.7	45°	96.8	98.3
507.9	508.4	508.9	509.4	509.4	509.4	509.4	509.4	506.5	507.5	47.5°	92.6	92.6
520.7	521.2	521.6	522.2	522.2	522.2	522.2	522.2	519.2	519.2	50°	87.0	87.0
530.4	531.0	531.4	532.0	531.8	531.4	531.0	531.0	528.0	529.0	52.5°	85.6	85.6
540.6	541.3	541.9	542.8	542.6	542.3	541.8	541.8	537.8	538.8	55°	85.6	85.6
548.1	548.7	549.1	549.7	549.7	549.7	549.7	550.6	547.7	548.7	57.5°	88.4	88.4
553.7	554.1	554.3	554.5	554.7	555.1	555.5	556.5	554.5	555.5	60°	96.8	98.3
556.9	557.5	557.9	558.5	558.3	557.9	557.5	558.5	556.5	558.5	62.5°	113.6	115.1
560.3	560.9	561.6	562.4	562.2	561.9	561.4	561.4	558.5	559.5	65°	130.5	133.3
564.1	564.9	565.6	566.3	566.3	566.3	566.3	567.3	563.3	564.3	67.5°	131.9	136.1
565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	70°	127.6	131.9
										72.5°	88.4	88.4
										74°	39.3	37.9
										75°	33.7	32.2
										77.5°	25.2	25.2
										80°	18.2	16.9
										82.5°	9.8	9.8
										85°	2.9	2.9
										87.5°	0.0	0.0
										90°	0.0	0.0
										92.5°	0.0	0.0
										95°	1.0	1.0
										97.5°	2.0	2.0
										100°	7.8	7.8
										102.5°	27.5	27.5
										105°	53.0	53.0
										107.5°	75.5	76.5



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CANDELA DISTRIBUTION (continued):

	175°	180°
110°	100.1	99.2
112.5°	121.7	121.7
115°	144.3	143.3
117.5°	166.8	165.8
120°	191.4	189.5
122.5°	216.0	215.0
125°	241.5	239.5
127.5°	264.0	262.0
130°	286.6	284.7
132.5°	308.2	307.2
135°	330.8	329.8
137.5°	353.3	352.3
140°	375.9	375.0
142.5°	398.5	396.5
145°	418.1	417.2
147.5°	435.8	435.8
150°	453.5	452.5
152.5°	471.1	470.2
155°	490.7	489.8
157.5°	505.5	503.5
160°	517.2	515.3
162.5°	526.0	525.1
165°	536.8	535.9
167.5°	545.7	544.7
170°	552.5	551.6
172.5°	555.5	554.5
175°	558.5	556.5
177.5°	562.4	561.4
180°	565.3	565.3

(END OF REPORT)

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

