

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: P271657

Luminaire Tested: **IST-AF-800-LED-E1-T2-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P271657  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35937)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: IST-AF-800-LED-E1-T2-7027  
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE  
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II  
Light Source: (16) 2700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4449.6 lumens  
Efficiency: N/A  
Efficacy: 102.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium - Cutoff  
BUG Rating: B1 - U1 - G1

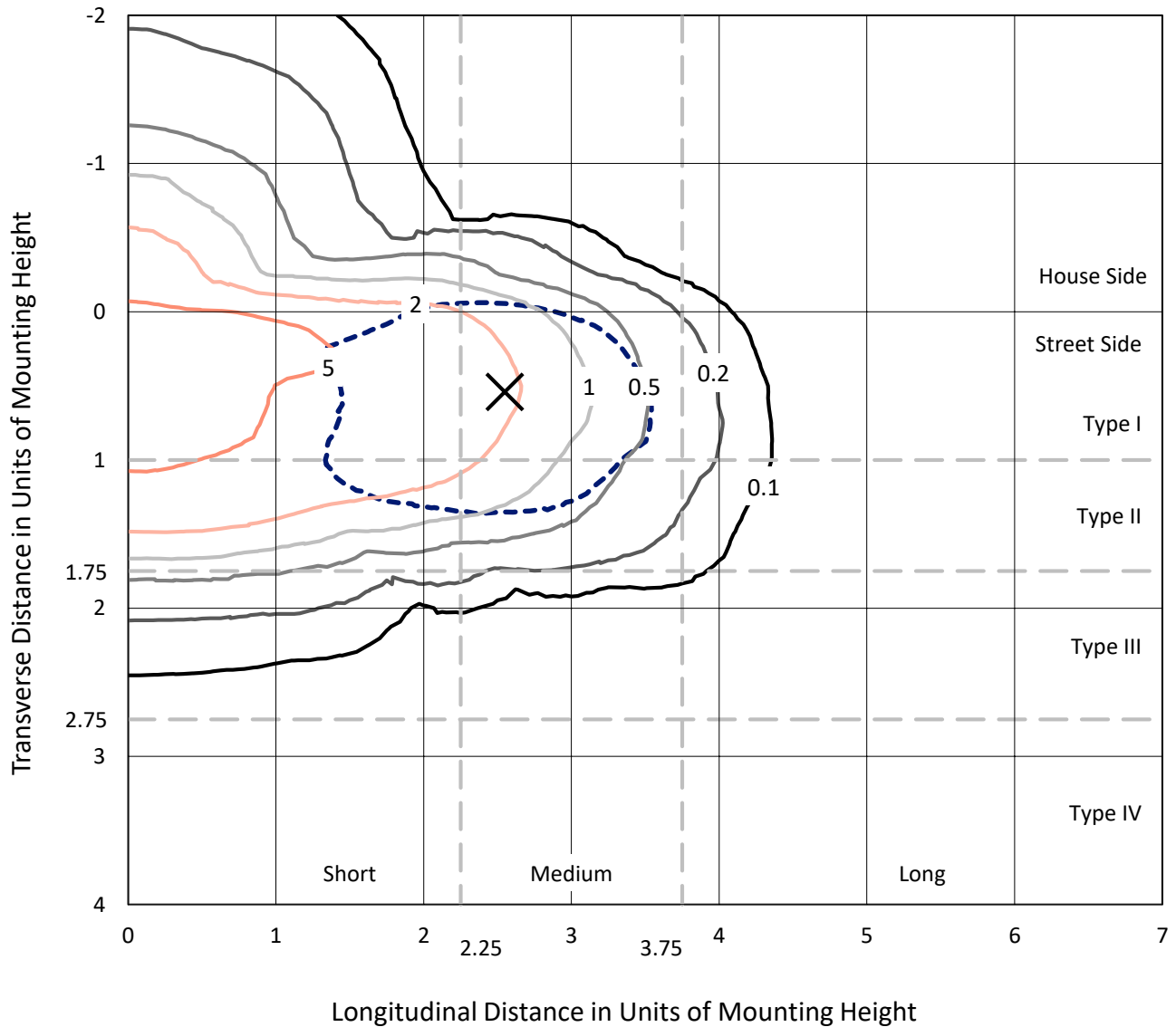
Input Watts (W): 43.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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 CATALOG NUMBER: IST-AF-800-LED-E1-T2-7027

### Iso-Footcandle Lines of Horizontal Illumination

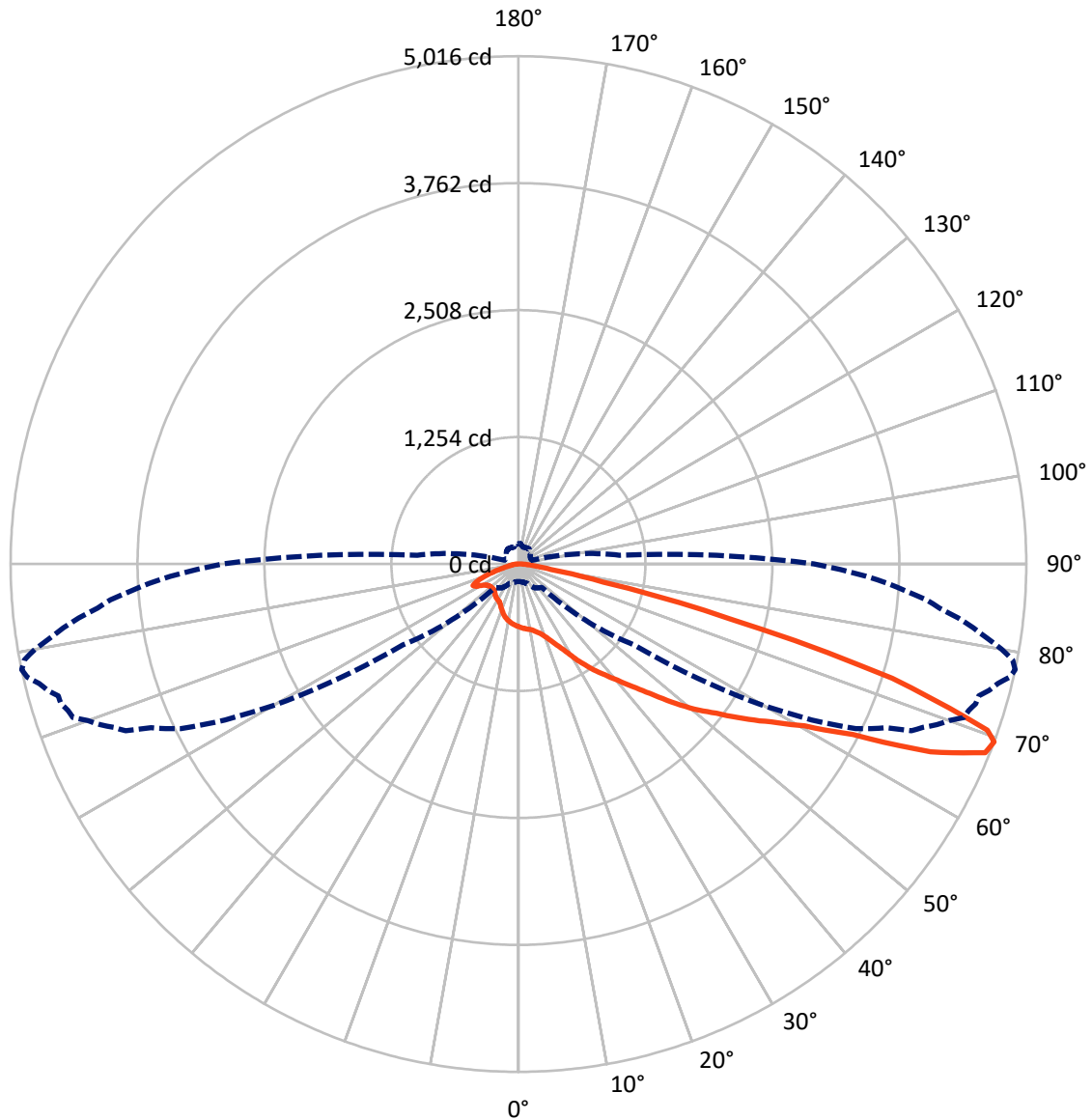
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 fc  
 Type II - Medium - Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

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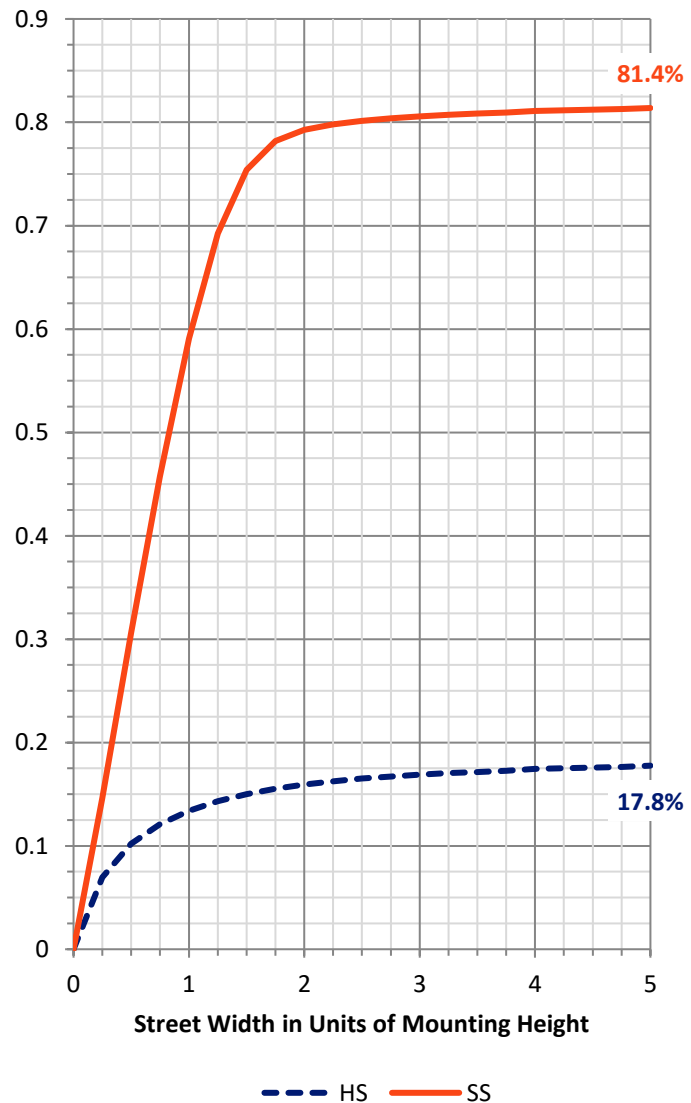
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	813.6	1.6	815.1
	% Fixture	18.3	0.0	18.3
<b>Street Side</b>	Lumens	3633.8	0.7	3634.5
	% Fixture	81.7	0.0	81.7
<b>Total</b>	Lumens	4447.3	2.3	4449.6
	% Fixture	99.9	0.1	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.5	1.3
10°-20°	173.5	3.9
20°-30°	311.1	7.0
30°-40°	507.8	11.4
40°-50°	751.0	16.9
50°-60°	980.6	22.0
60°-70°	1096.7	24.6
70°-80°	492.4	11.1
80°-90°	76.8	1.7
90°-100°	2.3	0.1
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°	4447.3	99.9
0°-180°	4449.6	100.0



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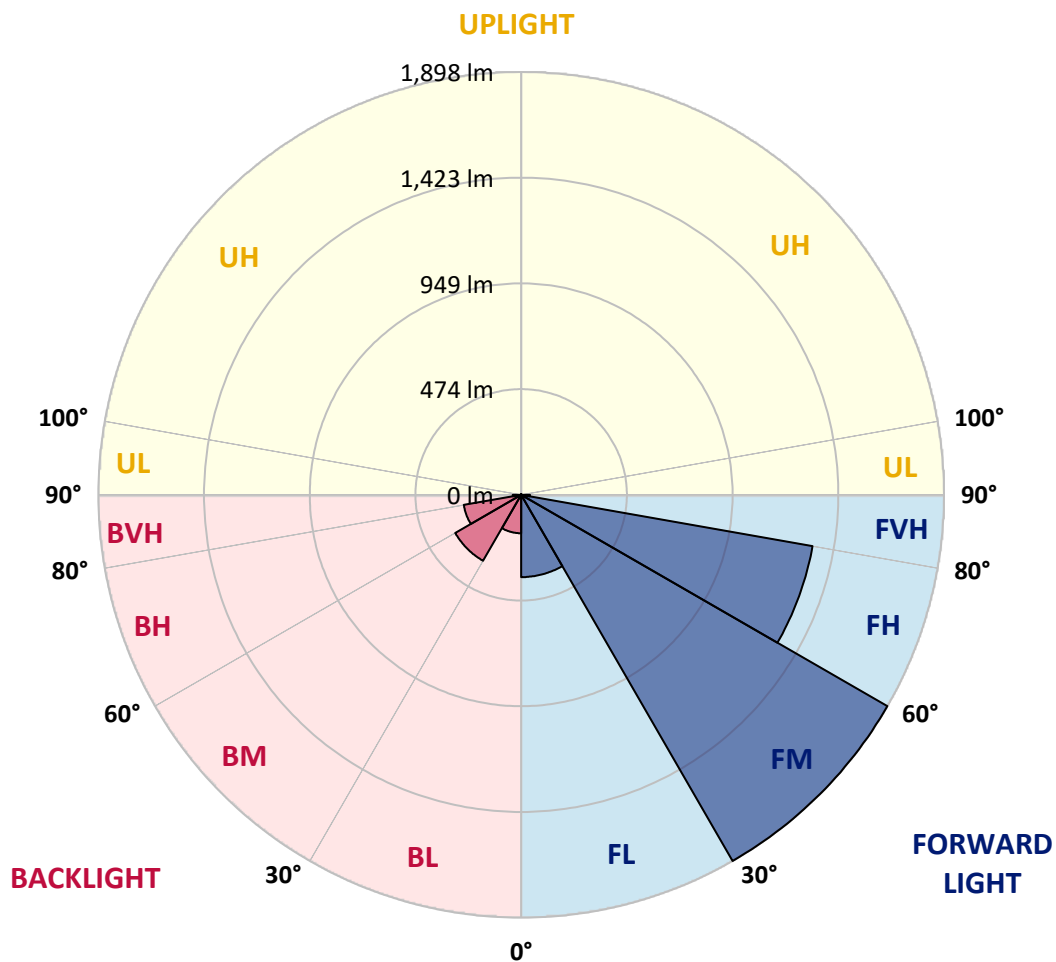
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	369.4	8.3			
FM	(30°-60°)	1897.6	42.6			
FH	(60°-80°)	1327.6	29.8			G1/1800
FVH	(80°-90°)	39.2	0.9			G1/100
BL	(0°-30°)	172.7	3.9	B1/500		
BM	(30°-60°)	341.8	7.7	B1/1000		
BH	(60°-80°)	261.5	5.9	B1/500		G1/500
BVH	(80°-90°)	37.6	0.8			G1/100
UL	(90°-100°)	2.3	0.1		U1/10	
UH	(100°-180°)	1.6	0.0		U1/10	

**BUG Rating: B1-U1-G1**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	618.8	618.8	618.8	618.8	618.8	618.8	618.8	618.8	618.8	618.8	618.8
2.5°	662.7	662.7	660.8	659.5	657.6	652.3	644.6	643.4	642.6	641.4	640.1
5°	711.2	706.0	707.3	704.1	696.9	687.9	673.7	666.6	662.7	662.1	659.5
7.5°	750.6	751.3	749.3	742.9	733.2	722.1	702.7	691.9	688.6	686.7	682.2
10°	779.0	777.0	775.8	774.5	766.7	757.7	733.2	719.6	716.9	711.9	706.7
12.5°	799.7	799.7	799.7	798.4	793.8	786.7	767.4	753.8	750.6	743.4	738.9
15°	822.3	819.7	817.1	815.2	815.8	815.8	801.6	791.2	786.1	782.2	773.2
17.5°	870.7	864.9	859.0	851.3	839.1	835.9	835.2	834.5	827.5	826.8	817.7
20°	912.0	906.9	901.8	894.0	876.6	857.8	867.5	876.6	875.3	875.8	871.4
22.5°	963.2	959.2	948.9	939.9	917.2	894.6	895.9	915.4	917.9	920.4	921.8
25°	1032.9	1031.0	1014.2	996.7	970.9	949.6	929.6	953.4	958.6	964.4	976.0
27.5°	1103.3	1098.8	1080.8	1065.2	1032.9	1010.2	982.5	995.4	1003.1	1014.2	1032.2
30°	1194.4	1182.1	1175.6	1140.8	1111.0	1078.1	1054.3	1058.0	1056.8	1069.7	1097.5
32.5°	1326.1	1306.8	1274.4	1239.6	1204.6	1160.8	1140.8	1140.1	1136.9	1151.8	1167.2
35°	1397.1	1392.6	1372.6	1337.8	1299.7	1258.3	1245.4	1233.1	1235.1	1242.7	1248.6
37.5°	1474.1	1470.2	1454.6	1435.3	1406.3	1428.8	1357.1	1339.0	1330.7	1326.8	1328.8
40°	1507.6	1510.9	1519.2	1522.4	1505.6	1614.3	1472.7	1413.3	1410.8	1404.9	1399.1
42.5°	1514.7	1523.2	1540.0	1576.7	1593.0	1829.3	1568.4	1496.7	1486.3	1481.8	1482.5
45°	1540.5	1553.5	1556.8	1590.3	1666.5	1840.3	1676.2	1570.2	1562.5	1562.0	1558.0
47.5°	1603.3	1620.7	1620.7	1635.5	1707.9	1861.6	1713.1	1643.9	1638.8	1636.3	1646.5
50°	1612.3	1635.5	1682.1	1729.9	1782.1	1879.1	1755.0	1724.0	1725.9	1731.8	1762.1
52.5°	1459.2	1482.5	1605.2	1745.9	1916.5	1926.9	1818.3	1830.6	1843.5	1872.0	1927.5
55°	1251.2	1268.0	1413.3	1638.8	1921.7	2108.3	1977.2	2011.5	2038.6	2047.0	2134.2
57.5°	985.1	1008.3	1156.3	1448.9	1794.5	2160.1	2342.8	2358.3	2328.0	2355.7	2387.4
60°	533.5	531.0	737.0	1047.7	1527.0	2064.5	2695.5	2961.6	2968.1	3010.8	2959.7
62.5°	298.5	298.5	357.9	538.1	982.5	1746.7	2864.8	3483.5	3564.4	3632.2	3781.3
65°	225.5	227.5	248.7	324.3	551.6	1102.6	2740.8	3661.9	3816.9	3972.6	4234.3
67.5°	187.4	187.4	202.8	241.6	344.9	500.6	2018.0	3304.1	3497.8	3683.8	4045.6
69°	173.7	174.5	185.9	212.4	288.7	325.5	1394.0	2801.5	3023.1	3280.8	3707.0
70°	167.4	165.4	176.3	198.3	261.6	257.1	1021.2	2435.8	2607.7	2838.9	3329.2
72.5°	148.6	146.6	152.4	169.2	206.0	183.4	416.6	1310.6	1569.7	1828.7	2219.4
75°	132.4	130.4	134.9	142.7	160.2	140.1	209.2	549.0	664.7	859.0	1185.3
77.5°	116.9	113.1	116.9	122.1	125.9	104.7	142.1	253.8	311.4	382.4	540.0
80°	105.9	102.0	106.6	104.0	98.8	80.8	94.3	148.0	164.1	196.4	257.1
82.5°	75.5	74.9	101.4	104.7	78.8	58.7	67.1	95.0	105.9	111.7	135.6
85°	46.5	44.6	58.7	74.9	80.1	36.8	43.3	56.2	58.7	64.0	75.5
87.5°	24.0	24.5	31.6	38.8	52.3	22.0	25.8	33.0	33.0	33.0	37.5
90°	5.7	7.1	9.7	13.6	11.0	5.7	9.7	7.7	9.1	7.7	9.1
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	618.8	618.8	618.8	618.8	618.8	618.8	618.8	618.8	618.8	618.8	618.8
2.5°	640.9	638.9	636.3	636.9	635.6	633.7	634.3	633.7	634.3	633.0	631.8
5°	659.5	658.2	654.3	653.7	652.3	651.1	649.1	647.2	646.6	645.3	642.6
7.5°	680.8	677.0	675.0	672.4	669.1	664.0	663.4	660.8	658.9	657.6	654.3
10°	702.7	698.3	695.6	692.4	689.2	685.9	682.7	678.2	673.7	672.4	668.6
12.5°	735.7	730.0	724.8	719.6	716.4	710.5	706.0	700.2	695.6	693.7	687.3
15°	771.9	764.2	759.0	755.1	749.9	744.8	738.9	733.7	726.7	720.9	715.1
17.5°	814.5	807.5	803.5	796.4	790.0	784.2	779.7	773.2	767.4	757.0	751.9
20°	870.7	864.9	860.4	852.6	845.6	839.7	835.9	822.3	814.5	805.5	797.1
22.5°	923.1	923.6	919.1	914.0	909.5	901.8	895.3	885.5	875.8	864.9	853.3
25°	979.9	985.1	985.7	984.5	981.8	972.8	969.6	959.9	952.1	934.1	928.8
27.5°	1043.2	1049.0	1056.0	1065.2	1067.1	1057.5	1062.0	1052.3	1038.7	1031.0	1014.2
30°	1104.6	1120.7	1135.5	1145.9	1152.3	1156.8	1153.6	1150.4	1141.4	1128.5	1113.6
32.5°	1183.3	1200.1	1215.0	1237.7	1249.3	1263.5	1261.0	1262.2	1259.0	1245.9	1228.6
35°	1262.8	1277.7	1297.1	1312.0	1340.3	1355.8	1368.7	1368.1	1368.1	1360.3	1343.5
37.5°	1333.3	1341.6	1357.8	1382.3	1401.1	1425.6	1446.3	1454.6	1468.2	1468.9	1450.9
40°	1406.8	1415.3	1427.6	1445.6	1466.3	1495.4	1523.2	1550.3	1563.2	1576.7	1569.7
42.5°	1486.3	1495.4	1504.4	1516.0	1545.7	1568.4	1605.8	1642.6	1669.1	1696.9	1693.7
45°	1565.2	1575.4	1588.3	1605.8	1632.3	1669.1	1705.3	1746.7	1807.4	1840.3	1862.9
47.5°	1654.3	1671.0	1694.9	1722.7	1744.1	1782.1	1828.1	1892.0	1953.4	2010.1	2045.7
50°	1788.6	1795.2	1833.8	1861.0	1901.6	1940.4	1986.3	2042.5	2122.0	2180.1	2236.9
52.5°	1946.9	1971.4	2010.1	2041.2	2073.5	2112.3	2159.3	2209.8	2288.6	2353.8	2427.5
55°	2151.0	2185.8	2219.4	2236.3	2281.4	2316.4	2354.5	2404.2	2488.8	2559.9	2646.5
57.5°	2394.5	2429.4	2445.5	2470.1	2489.5	2528.2	2579.9	2613.5	2688.4	2762.1	2853.7
60°	2894.5	2872.5	2891.9	2853.7	2848.0	2851.2	2862.2	2888.1	2930.0	2998.5	3095.4
62.5°	3796.9	3765.2	3681.3	3650.9	3592.1	3512.6	3437.7	3427.4	3405.5	3457.0	3517.9
65°	4323.9	4439.0	4451.2	4483.5	4460.3	4398.2	4310.3	4282.0	4211.0	4161.2	4158.0
67.5°	4197.3	4369.9	4477.7	4614.0	4689.5	4763.3	4782.6	4807.8	4761.9	4739.3	4745.7
69°	3845.4	3973.2	4214.8	4307.8	4427.3	4525.5	4654.7	4677.3	4721.9	4728.3	4814.3
70°	3496.6	3684.5	3822.6	3962.2	4127.6	4235.5	4293.6	4389.2	4499.7	4553.9	4646.9
72.5°	2514.1	2575.4	2673.5	2854.5	2900.3	3012.1	3126.4	3207.8	3337.7	3429.3	3648.3
75°	1356.5	1393.3	1547.7	1650.4	1677.6	1714.3	1798.2	1818.3	1866.8	1896.5	2107.1
77.5°	619.4	675.6	695.6	751.9	720.2	735.7	755.7	751.3	764.7	829.3	903.1
80°	285.5	296.5	304.3	327.5	328.8	323.6	325.5	322.3	319.8	330.0	337.9
82.5°	138.9	155.7	155.7	169.9	177.0	175.1	178.9	177.7	180.2	177.7	185.9
85°	81.4	81.4	87.9	95.6	94.3	96.8	96.8	102.0	102.7	104.0	104.0
87.5°	38.1	42.0	43.9	47.1	48.5	50.3	51.7	51.7	52.3	51.0	52.3
90°	9.7	9.7	16.2	16.2	17.4	19.3	16.8	18.1	22.5	16.8	21.3
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P271657

CATALOG NUMBER: IST-AF-800-LED-E1-T2-7027

**CANDELA DISTRIBUTION (continued):**

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P271657

CATALOG NUMBER: IST-AF-800-LED-E1-T2-7027

**CANDELA DISTRIBUTION (continued):**

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	618.8	618.8	618.8	618.8	618.8	618.8	618.8	618.8	618.8	618.8	618.8
2.5°	630.4	631.8	631.1	628.5	627.8	627.8	626.6	625.8	624.6	624.1	625.3
5°	642.1	642.1	640.1	637.5	634.9	634.3	633.7	630.4	629.2	627.8	626.6
7.5°	653.1	651.8	649.1	644.6	642.1	641.4	638.9	635.6	632.4	629.8	628.5
10°	664.7	663.4	658.2	655.0	649.8	649.1	644.6	640.9	637.5	634.3	631.8
12.5°	681.5	680.2	674.4	666.6	662.7	660.2	654.3	649.8	645.3	641.4	636.9
15°	707.3	702.1	698.3	690.4	684.7	679.6	672.4	665.9	659.5	653.1	649.1
17.5°	743.4	736.4	726.0	721.5	713.7	705.3	695.6	691.2	682.7	675.0	667.4
20°	790.7	783.5	767.4	761.5	750.6	738.2	730.5	720.9	713.7	701.5	693.1
22.5°	843.0	836.5	821.1	805.5	795.2	785.5	773.2	761.0	747.4	735.7	726.7
25°	910.8	901.1	887.5	872.1	856.5	843.0	826.2	808.7	797.1	781.0	768.1
27.5°	1003.1	986.4	963.7	946.9	934.7	914.0	893.4	877.8	859.8	838.5	824.3
30°	1103.3	1084.5	1067.7	1048.3	1027.8	1007.7	979.2	956.7	937.3	914.7	891.4
32.5°	1214.4	1198.2	1174.4	1149.1	1126.6	1101.3	1080.8	1056.8	1023.2	999.3	974.8
35°	1326.1	1307.4	1282.9	1261.5	1235.7	1209.8	1186.6	1155.0	1124.6	1090.4	1056.0
37.5°	1434.1	1417.9	1390.8	1358.5	1335.8	1308.0	1284.1	1250.5	1214.4	1176.3	1150.4
40°	1554.2	1528.3	1509.6	1472.1	1448.9	1417.9	1383.6	1357.8	1322.9	1281.5	1244.7
42.5°	1691.8	1673.6	1653.6	1623.2	1598.7	1562.0	1518.7	1485.7	1453.4	1404.3	1353.3
45°	1866.0	1854.6	1821.5	1797.0	1764.1	1725.4	1687.8	1647.9	1596.7	1540.0	1493.4
47.5°	2075.4	2066.4	2036.6	2001.9	1958.6	1906.2	1871.3	1816.5	1773.2	1702.1	1646.5
50°	2265.3	2269.8	2253.7	2200.1	2161.3	2109.0	2054.2	2006.4	1939.8	1866.0	1795.2
52.5°	2492.1	2487.6	2446.8	2417.1	2371.3	2307.9	2247.9	2186.6	2113.5	2037.4	1948.9
55°	2709.1	2722.7	2694.3	2652.2	2596.7	2508.2	2447.5	2368.0	2291.1	2207.1	2105.2
57.5°	2919.7	2963.0	2941.1	2891.3	2834.4	2770.5	2690.3	2601.2	2521.8	2411.9	2297.0
60°	3182.0	3239.4	3248.5	3216.1	3154.2	3079.9	2974.6	2904.8	2795.6	2694.3	2605.7
62.5°	3585.7	3716.1	3708.3	3723.8	3680.0	3634.1	3510.8	3435.7	3293.6	3220.7	3097.3
65°	4260.0	4356.2	4471.9	4468.0	4437.6	4327.9	4199.9	4074.6	3981.0	3836.9	3708.3
67.5°	4825.9	4905.4	4973.7	4938.3	4868.5	4745.0	4595.3	4420.9	4278.1	4119.2	3950.6
69°	4878.9	4975.7	5015.8	4971.8	4846.5	4685.6	4539.0	4376.9	4180.5	4044.3	3838.9
70°	4736.8	4832.3	4913.1	4800.0	4685.0	4528.1	4367.9	4199.3	4023.6	3876.9	3669.7
72.5°	3762.6	3870.4	3859.5	3847.2	3755.5	3598.6	3451.3	3360.9	3237.5	3060.4	2910.6
75°	2187.8	2237.6	2150.4	2242.1	2132.3	1974.0	1994.7	1892.5	1802.2	1700.1	1621.4
77.5°	859.0	903.1	857.2	842.3	793.2	782.2	700.2	709.9	669.1	589.1	552.3
80°	325.5	331.4	323.6	307.5	304.3	285.5	280.3	262.2	253.8	227.5	217.7
82.5°	175.1	178.2	173.1	167.9	164.1	153.1	146.0	132.4	124.7	116.3	115.6
85°	100.8	98.2	95.6	93.1	87.1	80.8	75.5	70.3	64.6	60.1	55.5
87.5°	53.0	53.6	54.3	51.7	47.8	42.6	39.3	37.5	33.0	31.0	29.0
90°	17.4	12.9	14.8	18.8	17.4	14.2	13.6	11.6	9.7	9.7	7.7
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P271657  
 CATALOG NUMBER: IST-AF-800-LED-E1-T2-7027

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°	
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69°
												70°
												72.5°
												75°
												77.5°
												80°
												82.5°
												85°
												87.5°
												90°
												92.5°
												95°
												97.5°
												100°
												102.5°
												105°
												107.5°

NUMBER: P271657  
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REPORT NUMBER: P  
 CATALOG NUMBER:

**DISTRIBUTION (continued):**

**CANDELA DISTRIBUTION**

87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°	110°	87°
618.8	618.8	618.8	618.8	618.8	618.8	618.8	618.8	618.8	618.8	618.8	110°	0.0
623.3	623.3	621.4	620.1	615.6	607.8	600.1	593.0	583.3	579.4	574.3	112.5°	0.0
625.3	624.1	622.1	619.4	610.4	592.3	573.6	553.5	533.0	514.2	492.2	115°	0.0
626.6	624.1	621.4	618.1	605.3	577.5	540.0	500.6	463.7	435.9	424.4	117.5°	0.0
627.2	625.3	622.1	617.6	599.3	558.0	498.0	441.2	408.9	397.9	396.0	120°	0.0
634.3	631.1	625.8	620.8	596.8	536.7	450.9	396.6	383.7	388.9	397.9	122.5°	0.0
643.4	639.5	633.0	627.8	595.6	509.0	405.0	371.4	375.9	390.1	405.0	125°	0.0
659.5	653.1	645.9	640.9	598.1	474.8	368.1	358.5	372.1	390.1	410.2	127.5°	0.0
683.4	674.4	665.9	656.9	602.0	432.2	346.3	350.1	366.3	385.6	407.7	130°	0.0
713.2	702.7	691.2	677.6	606.5	395.3	334.0	341.1	355.9	372.7	390.9	132.5°	0.0
753.2	738.9	724.1	707.3	613.0	355.3	323.0	330.8	339.8	349.4	358.5	135°	0.0
803.5	784.2	768.1	745.4	619.4	328.2	314.0	316.6	318.4	319.8	319.1	137.5°	0.0
870.7	841.0	822.3	794.6	626.6	314.0	303.5	300.3	297.1	292.6	287.5	140°	0.0
941.9	917.2	887.5	852.0	631.1	304.3	293.9	283.5	274.5	270.0	270.0	142.5°	0.0
1024.4	994.2	956.7	912.0	625.3	293.9	281.0	267.4	262.2	268.1	266.2	145°	0.0
1107.1	1065.2	1023.8	972.8	611.0	282.2	266.8	259.7	263.6	255.7	251.3	147.5°	0.0
1198.2	1151.8	1094.2	1034.8	590.4	270.0	259.7	263.6	250.0	240.9	244.8	150°	0.0
1300.3	1245.4	1183.3	1102.6	576.8	262.2	248.7	252.0	240.3	233.8	231.9	152.5°	0.0
1439.2	1361.0	1285.5	1190.4	587.1	250.0	227.5	240.3	233.8	228.0	222.9	155°	0.0
1575.4	1492.2	1403.1	1291.2	605.3	240.9	210.7	228.0	232.5	222.9	213.2	157.5°	0.0
1712.3	1623.9	1519.9	1395.2	627.2	235.2	197.6	213.2	229.2	217.7	209.9	160°	0.0
1856.4	1744.7	1638.1	1503.8	655.7	229.2	187.4	200.2	223.5	217.7	206.0	162.5°	0.0
2007.6	1875.8	1769.2	1623.9	705.3	220.9	174.5	189.9	217.7	217.0	202.2	165°	0.0
2183.3	2065.7	1928.8	1780.9	774.5	211.2	162.8	182.2	212.4	214.4	197.6	167.5°	0.0
2482.4	2360.9	2195.5	2054.7	911.4	198.3	155.7	174.5	204.2	209.2	193.8	170°	0.0
2967.6	2802.2	2650.3	2518.6	1145.9	180.2	150.5	166.0	195.1	202.8	190.5	172.5°	0.0
3523.6	3362.2	3178.7	2957.1	1276.4	163.4	143.4	155.7	185.9	196.4	187.4	175°	0.0
3760.0	3548.8	3326.0	3063.1	1151.8	149.8	135.6	146.0	175.7	187.4	182.9	177.5°	0.0
3651.5	3437.7	3178.7	2921.0	1001.9	142.7	131.2	140.9	167.9	181.5	178.2	180°	0.0
3463.0	3247.8	3016.6	2707.1	894.6	138.9	127.9	137.6	164.7	178.2	175.7		
2738.8	2547.0	2333.8	2098.0	609.8	125.9	117.6	127.9	151.8	166.6	166.0		
1451.4	1395.2	1237.7	1099.3	315.8	112.4	106.6	116.9	140.1	155.7	155.7		
522.5	474.1	453.5	376.6	167.9	98.2	95.6	103.3	127.3	142.1	141.4		
197.6	192.5	172.5	161.4	106.6	80.1	80.8	88.6	111.7	125.9	125.3		
111.7	101.4	98.2	95.0	67.8	63.3	66.6	74.3	95.6	107.9	109.9		
53.6	49.8	48.5	45.3	44.6	48.5	52.3	58.7	76.3	91.1	89.1		
25.8	24.5	24.0	23.3	31.6	31.0	38.1	40.7	51.0	72.3	65.3		
8.4	8.4	7.7	6.5	9.1	10.3	12.3	17.4	21.3	42.0	34.2		
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	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	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	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'271657  
 IST-AF-800-LED-E1-T2-7027

REPORT NUMBER: P271657  
 CATALOG NUMBER: IST-AF-800

**TION (continued):**

**CANDELA DISTRIBUTION (con**

88°	89°	90°	95°	105°	115°	125°	135°	145°	155°		165°	175°
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°	618.8	618.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	569.7	560.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	476.0	474.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	417.4	408.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	397.9	397.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	406.3	408.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	417.4	421.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	424.4	431.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	422.5	430.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	401.1	405.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	363.1	364.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	317.1	315.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	284.9	276.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	270.0	264.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	259.7	251.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	269.3	268.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	278.5	277.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	262.9	251.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	234.5	220.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	215.1	207.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	206.0	203.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	203.5	209.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	202.2	209.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	193.1	205.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	186.7	201.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	182.9	199.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	179.6	201.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	174.5	204.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69°	171.8	204.2
										70°	169.2	202.2
										72.5°	160.2	186.7
										75°	149.2	164.7
										77.5°	134.9	141.4
										80°	119.6	123.3
										82.5°	104.0	118.8
										85°	81.4	100.8
										87.5°	60.1	55.5
										90°	34.2	25.2
										92.5°	0.0	0.0
										95°	0.0	0.0
										97.5°	0.0	0.0
										100°	0.0	0.0
										102.5°	0.0	0.0
										105°	0.0	0.0
										107.5°	0.0	0.0



REPORT NUMBER: P271657

CATALOG NUMBER: IST-AF-800-LED-E1-1

0-LED-E1-T2-7027

**tinued):**

180°
618.8
562.6
470.9
409.5
399.2
406.9
422.5
434.2
432.7
408.2
365.6
321.1
283.0
270.7
255.2
272.0
279.7
253.8
220.9
206.0
202.2
211.9
208.7
206.0
202.2
199.0
198.3
199.6
197.0
193.8
174.5
156.9
141.4
124.7
105.3
78.8
60.1
21.3
0.0
0.0
0.0
0.0
0.0
0.0
0.0
0.0
0.0

**CANDELA DISTRIBUTION (continued):**

	165°	175°	180°
110°	0.0	0.0	0.0
112.5°	0.0	0.0	0.0
115°	0.0	0.0	0.0
117.5°	0.0	0.0	0.0
120°	0.0	0.0	0.0
122.5°	0.0	0.0	0.0
125°	0.0	0.0	0.0
127.5°	0.0	0.0	0.0
130°	0.0	0.0	0.0
132.5°	0.0	0.0	0.0
135°	0.0	0.0	0.0
137.5°	0.0	0.0	0.0
140°	0.0	0.0	0.0
142.5°	0.0	0.0	0.0
145°	0.0	0.0	0.0
147.5°	0.0	0.0	0.0
150°	0.0	0.0	0.0
152.5°	0.0	0.0	0.0
155°	0.0	0.0	0.0
157.5°	0.0	0.0	0.0
160°	0.0	0.0	0.0
162.5°	0.0	0.0	0.0
165°	0.0	0.0	0.0
167.5°	0.0	0.0	0.0
170°	0.0	0.0	0.0
172.5°	0.0	0.0	0.0
175°	0.0	0.0	0.0
177.5°	0.0	0.0	0.0
180°	0.0	0.0	0.0

(END OF F

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report

