

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: P271627

Luminaire Tested: **IST-AF-350-LED-E1-T2-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P271627  
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-350-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: 2170.1 lumens  
Efficiency: N/A  
Efficacy: 108.0 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

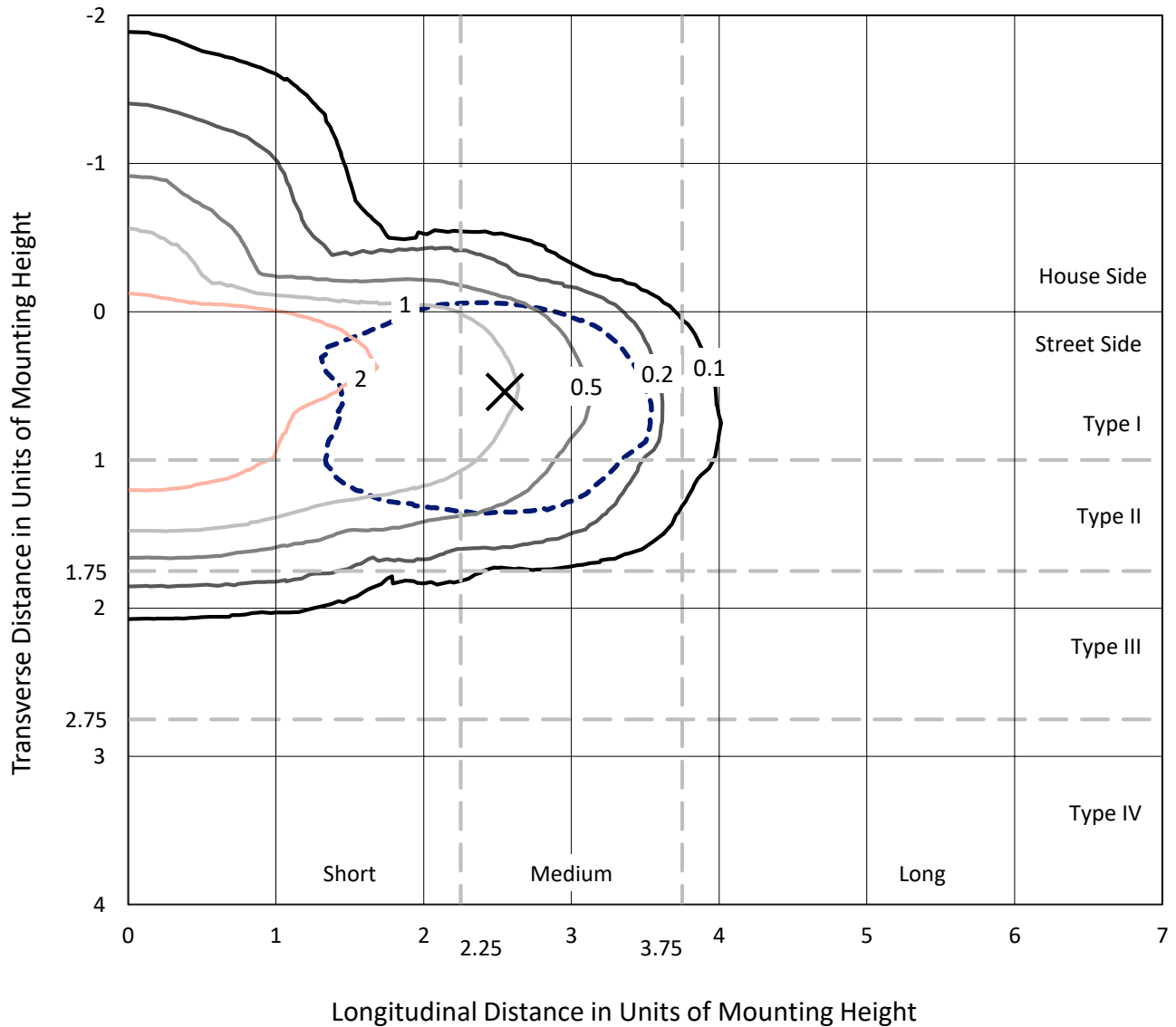
Input Watts (W): 20.09  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

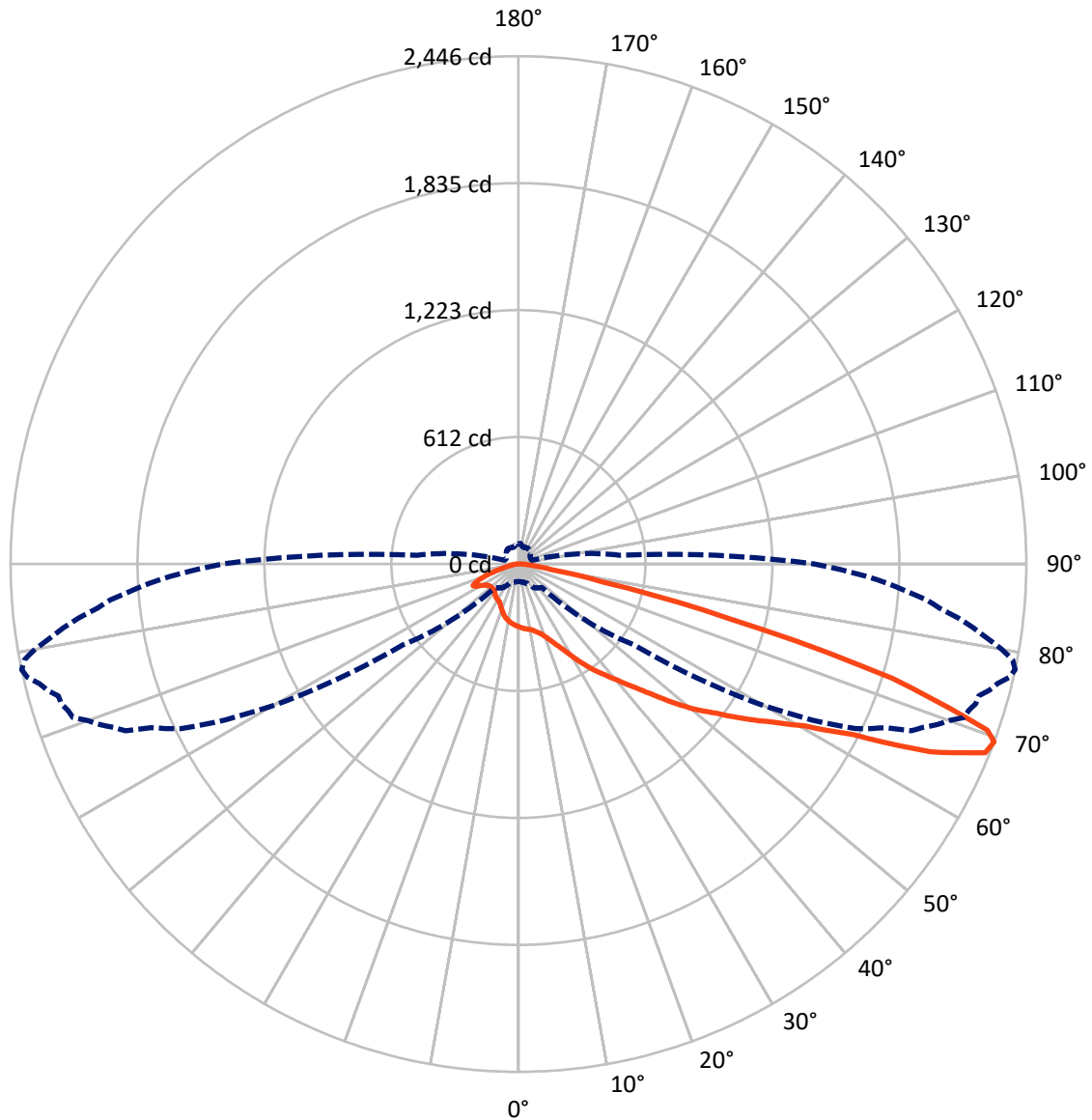
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.9 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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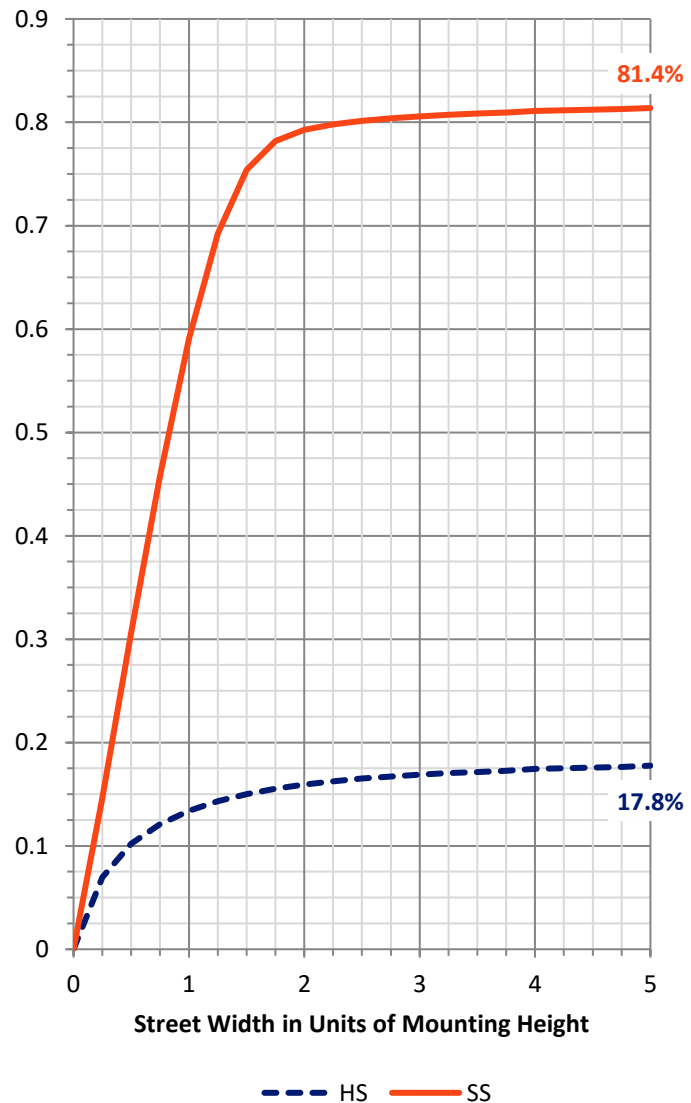
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	396.8	0.8	397.5
	% Fixture	18.3	0.0	18.3
<b>Street Side</b>	Lumens	1772.2	0.4	1772.6
	% Fixture	81.7	0.0	81.7
<b>Total</b>	Lumens	2169.0	1.1	2170.1
	% Fixture	99.9	0.1	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.0	1.3
10°-20°	84.6	3.9
20°-30°	151.7	7.0
30°-40°	247.6	11.4
40°-50°	366.3	16.9
50°-60°	478.3	22.0
60°-70°	534.9	24.6
70°-80°	240.1	11.1
80°-90°	37.5	1.7
90°-100°	1.1	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°	2169.0	99.9
0°-180°	2170.1	100.0



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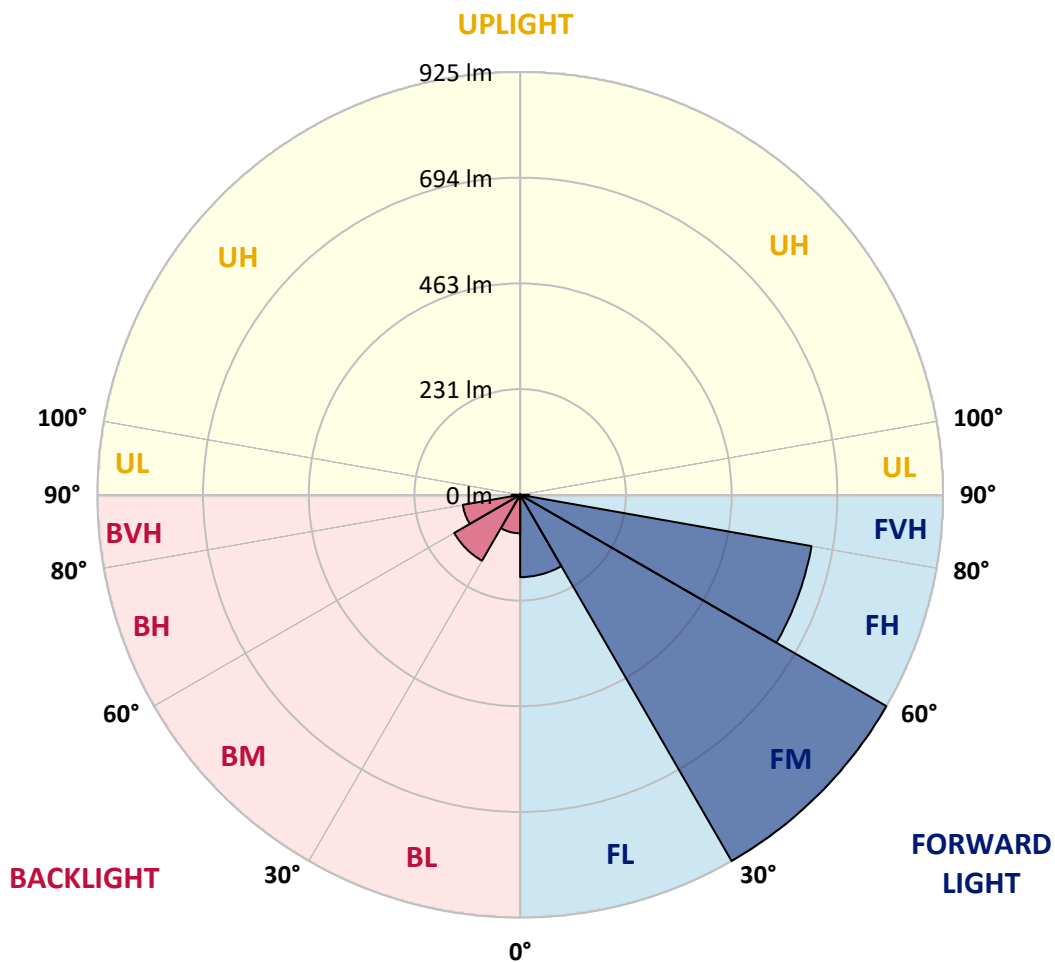
CATALOG NUMBER: IST-AF-350-LED-E1-T2-7027

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	180.1	8.3			
FM (30°-60°)	925.5	42.6			
FH (60°-80°)	647.5	29.8			G0/660
FVH (80°-90°)	19.1	0.9			G1/100
BL (0°-30°)	84.2	3.9	B0/110		
BM (30°-60°)	166.7	7.7	B0/220		
BH (60°-80°)	127.5	5.9	B1/500		G1/500
BVH (80°-90°)	18.3	0.8			G1/100
UL (90°-100°)	1.1	0.1		U1/10	
UH (100°-180°)	0.8	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°	301.8	301.8	301.8	301.8	301.8	301.8	301.8	301.8	301.8	301.8	301.8
2.5°	323.2	323.2	322.3	321.6	320.8	318.2	314.4	313.8	313.5	312.8	312.3
5°	346.8	344.3	344.9	343.4	339.9	335.4	328.6	325.1	323.2	322.9	321.6
7.5°	366.1	366.4	365.4	362.3	357.5	352.2	342.7	337.4	335.9	334.9	332.7
10°	379.9	378.9	378.4	377.7	374.0	369.6	357.5	351.0	349.7	347.1	344.6
12.5°	390.0	390.0	390.0	389.3	387.2	383.8	374.2	367.7	366.1	362.6	360.4
15°	401.0	399.7	398.5	397.6	397.9	397.9	390.9	385.9	383.4	381.5	377.1
17.5°	424.7	421.8	419.0	415.2	409.3	407.7	407.3	407.0	403.6	403.2	398.8
20°	444.8	442.3	439.8	435.9	427.5	418.4	423.1	427.5	426.9	427.1	425.0
22.5°	469.7	467.8	462.8	458.3	447.4	436.4	436.9	446.4	447.6	449.0	449.5
25°	503.7	502.8	494.6	486.2	473.5	463.1	453.4	465.1	467.5	470.4	476.0
27.5°	538.1	535.9	527.0	519.5	503.7	492.7	479.2	485.4	489.3	494.6	503.4
30°	582.6	576.5	573.4	556.3	541.9	525.8	514.1	516.1	515.4	521.6	535.2
32.5°	646.8	637.3	621.5	604.6	587.5	566.1	556.3	556.1	554.4	561.7	569.3
35°	681.5	679.2	669.5	652.3	633.8	613.7	607.3	601.3	602.3	606.2	609.1
37.5°	718.9	716.9	709.4	700.0	685.9	696.8	661.9	653.1	648.9	647.0	648.0
40°	735.4	736.9	740.9	742.4	734.4	787.3	718.3	689.3	688.0	685.1	682.4
42.5°	738.8	742.9	751.1	768.9	776.9	892.2	764.9	730.0	724.9	722.7	723.0
45°	751.3	757.7	759.2	775.6	812.8	897.6	817.5	765.9	762.0	761.8	759.9
47.5°	782.0	790.4	790.4	797.7	833.0	908.0	835.4	801.7	799.2	798.0	803.1
50°	786.4	797.7	820.3	843.7	869.2	916.5	855.9	840.8	841.8	844.6	859.4
52.5°	711.6	723.0	782.9	851.5	934.7	939.8	886.9	892.8	899.1	912.9	940.1
55°	610.2	618.4	689.3	799.2	937.2	1028.3	964.3	980.9	994.2	998.4	1040.9
57.5°	480.4	491.7	564.0	706.7	875.2	1053.5	1142.6	1150.2	1135.4	1148.9	1164.3
60°	260.1	258.9	359.4	511.0	744.8	1006.8	1314.6	1444.5	1447.6	1468.4	1443.5
62.5°	145.5	145.5	174.5	262.5	479.2	851.9	1397.1	1699.0	1738.4	1771.5	1844.2
65°	110.0	110.9	121.3	158.1	269.0	537.7	1336.7	1785.9	1861.6	1937.5	2065.0
67.5°	91.4	91.4	98.9	117.8	168.3	244.2	984.1	1611.4	1705.9	1796.6	1973.0
69°	84.7	85.1	90.7	103.7	140.9	158.8	679.8	1366.3	1474.4	1600.0	1808.0
70°	81.6	80.7	86.0	96.7	127.6	125.3	498.1	1188.0	1271.8	1384.6	1623.7
72.5°	72.4	71.5	74.4	82.6	100.5	89.5	203.2	639.2	765.5	891.8	1082.5
75°	64.6	63.6	65.8	69.6	78.2	68.5	102.0	267.8	324.2	419.0	578.1
77.5°	57.0	55.2	57.0	59.6	61.4	51.0	69.3	123.8	151.8	186.5	263.3
80°	51.7	49.8	52.0	50.8	48.1	39.3	46.0	72.1	79.9	95.8	125.3
82.5°	36.9	36.5	49.5	51.0	38.4	28.7	32.8	46.4	51.7	54.4	66.1
85°	22.6	21.6	28.7	36.5	39.1	18.0	21.1	27.4	28.7	31.2	36.9
87.5°	11.7	11.9	15.5	19.0	25.5	10.7	12.6	16.1	16.1	16.1	18.2
90°	2.9	3.4	4.7	6.6	5.4	2.9	4.7	3.9	4.4	3.9	4.4
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°	301.8	301.8	301.8	301.8	301.8	301.8	301.8	301.8	301.8	301.8	301.8
2.5°	312.5	311.5	310.4	310.6	309.9	309.1	309.4	309.1	309.4	308.7	308.1
5°	321.6	321.1	319.2	318.8	318.2	317.6	316.7	315.7	315.3	314.8	313.5
7.5°	332.0	330.1	329.2	327.9	326.4	323.9	323.5	322.3	321.3	320.8	319.2
10°	342.7	340.5	339.3	337.8	336.1	334.6	333.0	330.8	328.6	327.9	326.1
12.5°	358.9	356.0	353.4	351.0	349.4	346.6	344.3	341.4	339.3	338.3	335.2
15°	376.5	372.7	370.1	368.2	365.8	363.3	360.4	357.9	354.4	351.6	348.7
17.5°	397.3	393.7	391.9	388.4	385.4	382.5	380.3	377.1	374.2	369.2	366.7
20°	424.7	421.8	419.6	415.8	412.4	409.5	407.7	401.0	397.3	392.9	388.8
22.5°	450.2	450.5	448.3	445.8	443.5	439.8	436.7	431.9	427.1	421.8	416.2
25°	477.9	480.4	480.8	480.1	478.9	474.5	472.9	468.2	464.3	455.5	453.0
27.5°	508.8	511.7	515.1	519.5	520.5	515.6	518.0	513.2	506.6	502.8	494.6
30°	538.7	546.6	553.9	558.8	562.0	564.2	562.7	561.1	556.7	550.3	543.1
32.5°	577.1	585.3	592.6	603.6	609.3	616.1	614.9	615.6	614.0	607.7	599.2
35°	615.9	623.2	632.6	639.9	653.7	661.2	667.6	667.2	667.2	663.5	655.2
37.5°	650.2	654.3	662.2	674.2	683.3	695.3	705.3	709.4	716.1	716.4	707.5
40°	686.1	690.3	696.3	705.0	715.1	729.3	742.9	756.0	762.4	768.9	765.5
42.5°	724.9	729.3	733.7	739.3	753.9	764.9	783.2	801.1	814.0	827.6	826.0
45°	763.3	768.4	774.7	783.2	796.1	814.0	831.7	851.9	881.5	897.6	908.5
47.5°	806.8	815.0	826.6	840.2	850.5	869.2	891.6	922.6	952.7	980.4	997.7
50°	872.3	875.5	894.4	907.6	927.5	946.4	968.7	996.1	1034.8	1063.2	1090.9
52.5°	949.5	961.5	980.4	995.5	1011.2	1030.2	1053.2	1077.8	1116.1	1147.9	1183.9
55°	1049.1	1066.1	1082.5	1090.6	1112.7	1129.7	1148.3	1172.6	1213.8	1248.5	1290.7
57.5°	1167.9	1184.9	1192.7	1204.6	1214.1	1233.0	1258.3	1274.7	1311.2	1347.1	1391.8
60°	1411.7	1401.0	1410.4	1391.8	1389.0	1390.6	1396.0	1408.5	1429.0	1462.4	1509.6
62.5°	1851.8	1836.3	1795.4	1780.6	1752.0	1713.2	1676.6	1671.6	1660.9	1686.1	1715.7
65°	2108.8	2164.9	2170.9	2186.7	2175.3	2145.1	2102.2	2088.4	2053.7	2029.5	2027.8
67.5°	2047.1	2131.2	2183.8	2250.3	2287.2	2323.1	2332.4	2344.8	2322.4	2311.4	2314.6
69°	1875.4	1937.7	2055.6	2101.0	2159.3	2207.1	2270.2	2281.2	2302.9	2306.1	2347.9
70°	1705.3	1797.0	1864.3	1932.4	2013.0	2065.7	2093.9	2140.6	2194.5	2221.0	2266.3
72.5°	1226.1	1256.0	1303.9	1392.1	1414.5	1469.0	1524.7	1564.5	1627.8	1672.6	1779.4
75°	661.6	679.5	754.8	804.9	818.2	836.1	877.0	886.9	910.4	925.0	1027.6
77.5°	302.1	329.5	339.3	366.7	351.2	358.9	368.6	366.4	373.0	404.5	440.3
80°	139.2	144.5	148.4	159.7	160.3	157.8	158.8	157.2	155.9	161.0	164.7
82.5°	67.7	76.0	76.0	82.8	86.2	85.4	87.2	86.7	87.9	86.7	90.7
85°	39.6	39.6	42.8	46.6	46.0	47.3	47.3	49.8	50.0	50.8	50.8
87.5°	18.5	20.5	21.4	23.0	23.6	24.5	25.2	25.2	25.5	25.0	25.5
90°	4.7	4.7	7.8	7.8	8.5	9.4	8.2	8.8	11.0	8.2	10.4
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: P271627

CATALOG NUMBER: IST-AF-350-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: P271627

CATALOG NUMBER: IST-AF-350-LED-E1-T2-7027

**CANDELA DISTRIBUTION (continued):**

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	301.8	301.8	301.8	301.8	301.8	301.8	301.8	301.8	301.8	301.8	301.8
2.5°	307.5	308.1	307.8	306.5	306.2	306.2	305.5	305.2	304.6	304.3	305.0
5°	313.1	313.1	312.3	310.9	309.6	309.4	309.1	307.5	306.8	306.2	305.5
7.5°	318.4	317.9	316.7	314.4	313.1	312.8	311.5	309.9	308.4	307.2	306.5
10°	324.2	323.5	321.1	319.4	316.9	316.7	314.4	312.5	310.9	309.4	308.1
12.5°	332.4	331.7	328.9	325.1	323.2	322.0	319.2	316.9	314.8	312.8	310.6
15°	344.9	342.4	340.5	336.8	333.9	331.5	327.9	324.7	321.6	318.4	316.7
17.5°	362.6	359.1	354.1	351.9	348.1	344.1	339.3	337.0	333.0	329.2	325.5
20°	385.6	382.0	374.2	371.4	366.1	360.1	356.3	351.6	348.1	342.2	338.0
22.5°	411.2	408.0	400.5	392.9	387.8	383.0	377.1	371.1	364.5	358.9	354.4
25°	444.2	439.5	432.8	425.3	417.7	411.2	402.9	394.4	388.8	380.9	374.5
27.5°	489.3	481.0	470.0	461.9	455.9	445.8	435.7	428.1	419.3	408.9	402.0
30°	538.1	528.9	520.7	511.2	501.3	491.5	477.6	466.6	457.1	446.1	434.7
32.5°	592.3	584.3	572.7	560.5	549.4	537.2	527.0	515.4	499.0	487.4	475.5
35°	646.8	637.7	625.7	615.2	602.7	590.1	578.7	563.2	548.4	531.8	515.1
37.5°	699.4	691.4	678.3	662.5	651.5	638.0	626.3	609.9	592.3	573.7	561.1
40°	758.0	745.3	736.3	717.9	706.7	691.4	674.8	662.2	645.3	625.0	607.1
42.5°	825.0	816.3	806.5	791.7	779.7	761.8	740.7	724.6	708.9	684.9	660.0
45°	910.2	904.4	888.4	876.5	860.4	841.4	823.2	803.6	778.8	751.1	728.3
47.5°	1012.2	1007.8	993.3	976.3	955.2	929.7	912.7	885.9	864.8	830.1	803.1
50°	1104.8	1107.0	1099.2	1073.0	1054.1	1028.6	1001.8	978.5	946.0	910.2	875.5
52.5°	1215.4	1213.3	1193.4	1178.8	1156.5	1125.7	1096.3	1066.4	1030.7	993.6	950.5
55°	1321.2	1327.9	1314.0	1293.5	1266.4	1223.3	1193.7	1155.0	1117.4	1076.5	1026.8
57.5°	1423.9	1445.0	1434.3	1410.1	1382.4	1351.2	1312.2	1268.7	1229.9	1176.3	1120.3
60°	1551.8	1579.8	1584.3	1568.5	1538.3	1502.1	1450.8	1416.6	1363.4	1314.0	1270.8
62.5°	1748.7	1812.4	1808.6	1816.1	1794.7	1772.4	1712.2	1675.7	1606.3	1570.8	1510.6
65°	2077.6	2124.6	2180.9	2179.1	2164.3	2110.7	2048.3	1987.2	1941.6	1871.3	1808.6
67.5°	2353.6	2392.4	2425.7	2408.4	2374.4	2314.2	2241.1	2156.1	2086.4	2009.0	1926.8
69°	2379.4	2426.7	2446.3	2424.9	2363.7	2285.3	2213.7	2134.6	2039.0	1972.4	1872.2
70°	2310.1	2356.7	2396.2	2341.1	2285.0	2208.4	2130.3	2048.0	1962.3	1890.8	1789.7
72.5°	1835.1	1887.7	1882.3	1876.3	1831.6	1755.1	1683.2	1639.0	1579.0	1492.6	1419.5
75°	1067.1	1091.4	1048.7	1093.5	1039.9	962.7	972.9	923.1	878.9	829.1	790.8
77.5°	419.0	440.3	418.0	410.9	386.9	381.5	341.4	346.3	326.4	287.3	269.3
80°	158.8	161.7	157.8	149.9	148.4	139.2	136.7	127.9	123.8	110.9	106.2
82.5°	85.4	87.0	84.4	81.9	79.9	74.6	71.1	64.6	60.7	56.8	56.4
85°	49.1	47.9	46.6	45.4	42.5	39.3	36.9	34.3	31.5	29.4	27.1
87.5°	25.8	26.1	26.5	25.2	23.4	20.8	19.2	18.2	16.1	15.1	14.1
90°	8.5	6.3	7.3	9.2	8.5	7.0	6.6	5.7	4.7	4.7	3.9
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: P271627  
 CATALOG NUMBER: IST-AF-350-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: P271627  
 NUMBER: IST-AF-350-LED-E1-T2-7027

REPORT NUMBER: P  
 CATALOG NUMBER:

<b>DISTRIBUTION (continued):</b>											<b>CANDELA DISTRIBUTION</b>	
87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°	110°	87°
301.8	301.8	301.8	301.8	301.8	301.8	301.8	301.8	301.8	301.8	301.8	110°	0.0
304.0	304.0	303.1	302.4	300.2	296.4	292.7	289.3	284.4	282.6	280.0	112.5°	0.0
305.0	304.3	303.4	302.1	297.7	288.9	279.7	270.0	259.9	250.8	240.0	115°	0.0
305.5	304.3	303.1	301.5	295.3	281.7	263.3	244.2	226.2	212.7	207.0	117.5°	0.0
306.0	305.0	303.4	301.2	292.4	272.2	242.9	215.1	199.4	194.0	193.1	120°	0.0
309.4	307.8	305.2	302.8	291.1	261.8	219.8	193.5	187.2	189.6	194.0	122.5°	0.0
313.8	311.9	308.7	306.2	290.4	248.2	197.5	181.2	183.3	190.4	197.5	125°	0.0
321.6	318.4	315.0	312.5	291.7	231.5	179.6	174.8	181.5	190.4	200.1	127.5°	0.0
333.3	328.9	324.7	320.3	293.7	210.7	168.8	170.8	178.7	188.0	198.7	130°	0.0
347.8	342.7	337.0	330.5	295.8	192.8	162.9	166.4	173.6	181.7	190.6	132.5°	0.0
367.4	360.4	353.1	344.9	299.0	173.2	157.6	161.2	165.6	170.4	174.8	135°	0.0
391.9	382.5	374.5	363.5	302.1	160.1	153.1	154.4	155.2	155.9	155.7	137.5°	0.0
424.7	410.2	401.0	387.5	305.5	153.1	148.1	146.5	144.9	142.7	140.1	140°	0.0
459.3	447.4	432.8	415.6	307.8	148.4	143.3	138.2	133.8	131.7	131.7	142.5°	0.0
499.6	484.8	466.6	444.8	305.0	143.3	137.0	130.4	127.9	130.7	129.7	145°	0.0
540.0	519.5	499.3	474.5	298.0	137.7	130.2	126.6	128.5	124.8	122.6	147.5°	0.0
584.3	561.7	533.6	504.7	288.0	131.7	126.6	128.5	121.9	117.5	119.5	150°	0.0
634.1	607.3	577.1	537.7	281.3	127.9	121.3	122.9	117.2	114.1	113.1	152.5°	0.0
701.8	663.8	626.8	580.7	286.4	121.9	110.9	117.2	114.1	111.2	108.7	155°	0.0
768.4	727.8	684.3	629.7	295.3	117.5	102.7	111.2	113.5	108.7	103.9	157.5°	0.0
835.2	791.9	741.3	680.5	306.0	114.6	96.4	103.9	111.7	106.2	102.4	160°	0.0
905.4	851.0	799.0	733.4	319.8	111.7	91.4	97.6	109.1	106.2	100.5	162.5°	0.0
979.2	914.8	862.9	791.9	344.1	107.8	85.1	92.6	106.2	105.8	98.6	165°	0.0
1064.9	1007.4	940.6	868.5	377.7	103.0	79.4	88.8	103.7	104.7	96.4	167.5°	0.0
1210.6	1151.4	1070.8	1002.1	444.5	96.7	76.0	85.1	99.5	102.0	94.5	170°	0.0
1447.3	1366.6	1292.6	1228.3	558.8	87.9	73.4	80.9	95.1	98.9	93.0	172.5°	0.0
1718.5	1639.8	1550.3	1442.2	622.5	79.7	70.0	76.0	90.7	95.8	91.4	175°	0.0
1833.8	1730.9	1622.1	1493.9	561.7	73.1	66.1	71.1	85.7	91.4	89.1	177.5°	0.0
1780.9	1676.6	1550.3	1424.6	488.6	69.6	64.0	68.7	81.9	88.6	87.0	180°	0.0
1688.9	1584.0	1471.2	1320.3	436.4	67.7	62.4	67.1	80.3	87.0	85.7		
1335.7	1242.2	1138.2	1023.2	297.4	61.4	57.3	62.4	74.0	81.3	80.9		
707.9	680.5	603.6	536.2	154.1	54.9	52.0	57.0	68.5	76.0	76.0		
254.8	231.2	221.2	183.6	81.9	47.9	46.6	50.5	62.1	69.3	69.0		
96.4	94.0	84.1	78.7	52.0	39.1	39.3	43.2	54.4	61.4	61.2		
54.4	49.5	47.9	46.4	33.1	30.9	32.5	36.2	46.6	52.6	53.6		
26.1	24.3	23.6	22.1	21.6	23.6	25.5	28.7	37.2	44.5	43.5		
12.6	11.9	11.7	11.4	15.5	15.1	18.5	19.9	25.0	35.2	31.8		
4.1	4.1	3.9	3.1	4.4	5.0	6.0	8.5	10.4	20.5	16.7		
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		

'271627  
 IST-AF-350-LED-E1-T2-7027

REPORT NUMBER: P271627  
 CATALOG NUMBER: IST-AF-350

**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°	301.8	301.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	277.8	273.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	232.2	231.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	203.6	199.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	194.0	193.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	198.2	199.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	203.6	205.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	207.0	210.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	206.0	210.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	195.7	197.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	177.1	177.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	154.7	154.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	139.0	134.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	131.7	129.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	126.6	122.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	131.3	131.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	135.7	135.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	128.2	122.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	114.4	107.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	104.9	101.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	100.5	99.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	99.3	102.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	98.6	102.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	94.2	100.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	91.1	98.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	89.1	97.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	87.6	97.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	85.1	99.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69°	83.8	99.5
										70°	82.6	98.6
										72.5°	78.2	91.1
										75°	72.8	80.3
										77.5°	65.8	69.0
										80°	58.3	60.2
										82.5°	50.8	58.0
										85°	39.6	49.1
										87.5°	29.4	27.1
										90°	16.7	12.3
										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: P271627

CATALOG NUMBER: IST-AF-350-LED-E1-1

0-LED-E1-T2-7027

**tinued):**

180°
301.8
274.4
229.7
199.7
194.8
198.4
206.0
211.7
211.1
199.2
178.3
156.6
138.0
132.1
124.4
132.6
136.5
123.8
107.8
100.5
98.6
103.3
101.8
100.5
98.6
97.1
96.7
97.4
96.1
94.5
85.1
76.5
69.0
60.7
51.3
38.4
29.4
10.4
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

