

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: P226245

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226245
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
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5239.1 lumens
Efficiency: N/A
Efficacy: 120.4 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

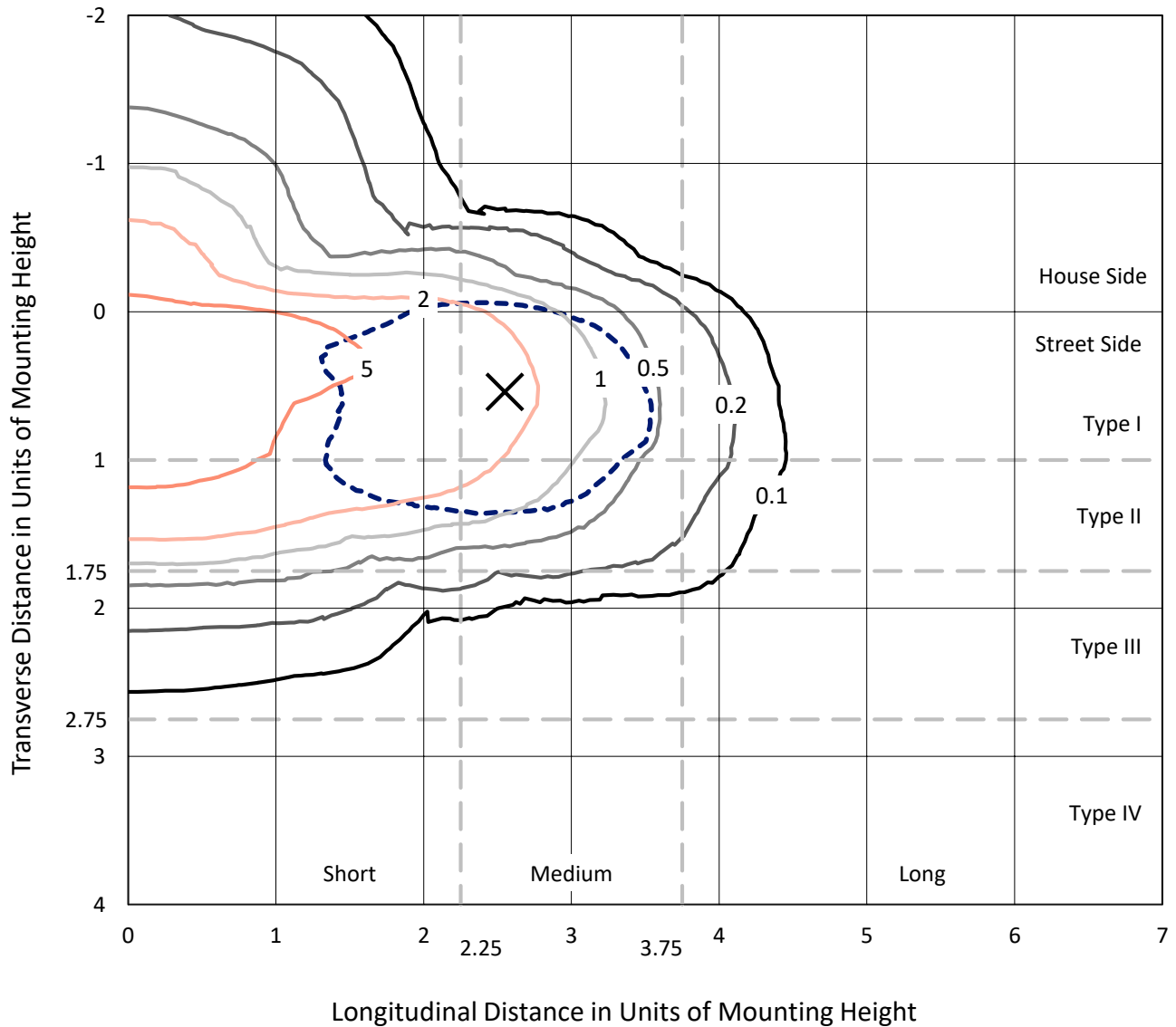


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Iso-Footcandle Lines of Horizontal Illumination

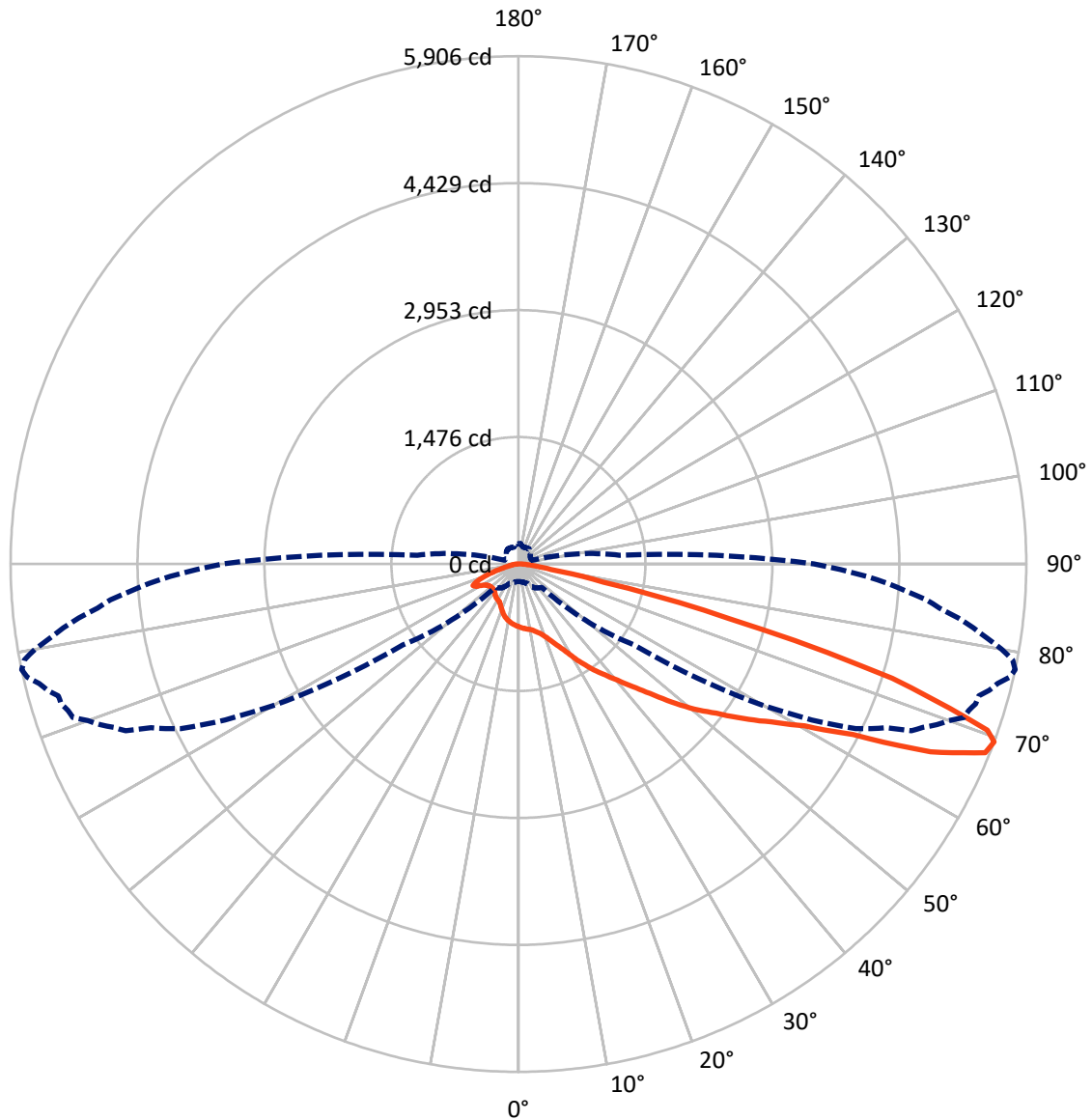
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.3 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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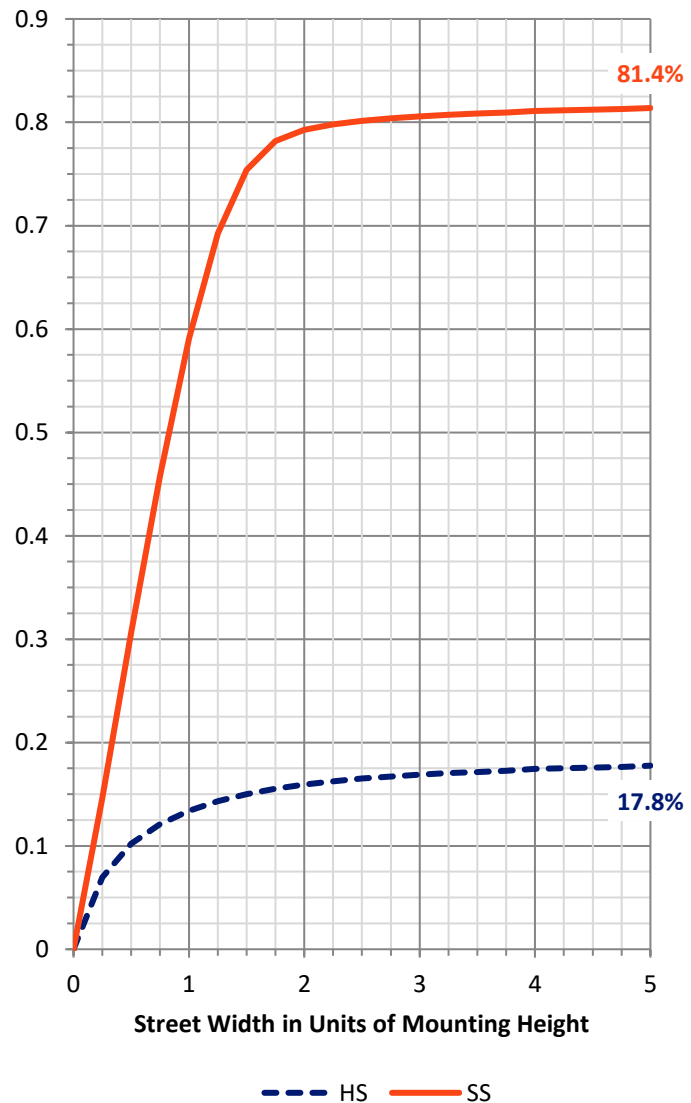
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	957.9	1.8	959.7
	% Fixture	18.3	0.0	18.3
Street Side	Lumens	4278.5	0.9	4279.4
	% Fixture	81.7	0.0	81.7
Total	Lumens	5236.4	2.7	5239.1
	% Fixture	99.9	0.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.7	1.3
10°-20°	204.3	3.9
20°-30°	366.2	7.0
30°-40°	597.8	11.4
40°-50°	884.3	16.9
50°-60°	1154.6	22.0
60°-70°	1291.3	24.6
70°-80°	579.7	11.1
80°-90°	90.4	1.7
90°-100°	2.7	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°	5236.4	99.9
0°-180°	5239.1	100.0



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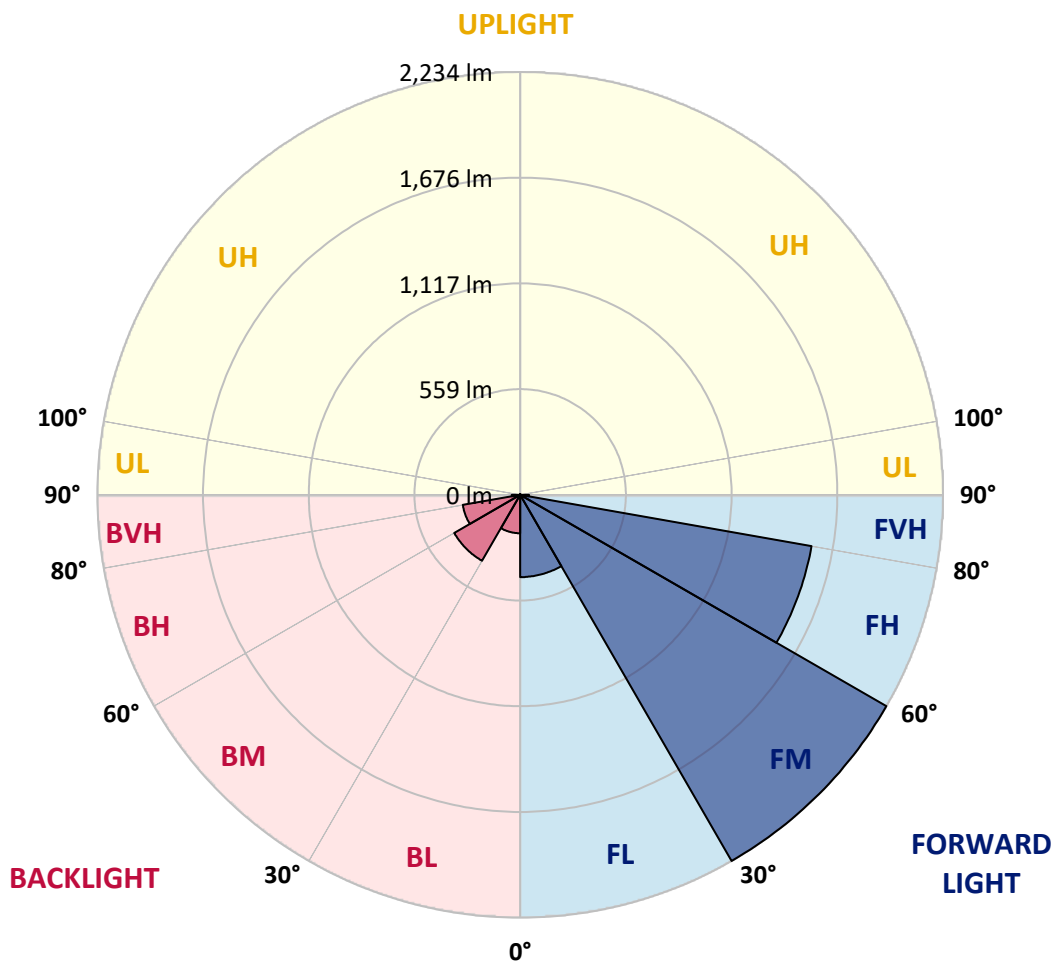
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	434.9	8.3			
FM	(30°-60°)	2234.2	42.6			
FH	(60°-80°)	1563.2	29.8			G1/1800
FVH	(80°-90°)	46.2	0.9			G1/100
BL	(0°-30°)	203.3	3.9	B1/500		
BM	(30°-60°)	402.5	7.7	B1/1000		
BH	(60°-80°)	307.8	5.9	B1/500		G1/500
BVH	(80°-90°)	44.3	0.8			G1/100
UL	(90°-100°)	2.7	0.1		U1/10	
UH	(100°-180°)	1.8	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°	728.6	728.6	728.6	728.6	728.6	728.6	728.6	728.6	728.6	728.6	728.6
2.5°	780.3	780.3	778.1	776.5	774.3	768.1	759.0	757.5	756.8	755.2	753.7
5°	837.4	831.2	832.8	829.0	820.6	810.0	793.3	784.9	780.3	779.6	776.5
7.5°	883.7	884.5	882.2	874.6	863.3	850.3	827.5	814.6	810.8	808.4	803.1
10°	917.2	914.9	913.4	911.9	902.8	892.1	863.3	847.2	844.2	838.1	832.1
12.5°	941.5	941.5	941.5	940.0	934.7	926.4	903.6	887.5	883.7	875.4	870.0
15°	968.2	965.2	962.1	959.8	960.6	960.6	943.9	931.7	925.6	921.1	910.4
17.5°	1025.2	1018.3	1011.5	1002.4	988.0	984.2	983.4	982.6	974.3	973.5	962.9
20°	1073.9	1067.9	1061.7	1052.6	1032.1	1010.0	1021.4	1032.1	1030.5	1031.3	1026.0
22.5°	1133.9	1129.4	1117.3	1106.6	1079.9	1053.3	1054.9	1077.7	1080.7	1083.8	1085.4
25°	1216.1	1213.8	1194.1	1173.5	1143.1	1118.0	1094.5	1122.6	1128.6	1135.5	1149.2
27.5°	1299.0	1293.7	1272.4	1254.1	1216.1	1189.5	1156.8	1172.0	1181.1	1194.1	1215.4
30°	1406.3	1391.8	1384.2	1343.1	1308.1	1269.4	1241.2	1245.7	1244.2	1259.5	1292.2
32.5°	1561.4	1538.6	1500.6	1459.4	1418.4	1366.7	1343.1	1342.4	1338.5	1356.0	1374.3
35°	1645.1	1639.8	1616.2	1575.1	1530.2	1481.5	1466.3	1451.9	1454.1	1463.3	1470.2
37.5°	1735.5	1731.0	1712.7	1689.9	1655.7	1682.3	1598.0	1576.6	1566.8	1562.1	1564.4
40°	1775.1	1778.9	1788.8	1792.6	1772.9	1900.6	1734.0	1664.0	1661.1	1654.2	1647.4
42.5°	1783.5	1793.3	1813.2	1856.5	1875.5	2153.8	1846.6	1762.2	1750.1	1744.7	1745.5
45°	1813.9	1829.1	1832.9	1872.5	1962.2	2166.8	1973.6	1848.9	1839.8	1839.0	1834.5
47.5°	1887.7	1908.2	1908.2	1925.7	2010.9	2191.9	2017.0	1935.6	1929.5	1926.4	1938.6
50°	1898.3	1925.7	1980.4	2036.8	2098.4	2212.4	2066.4	2029.9	2032.2	2039.0	2074.7
52.5°	1718.0	1745.5	1890.0	2055.7	2256.5	2268.7	2140.9	2155.4	2170.6	2204.0	2269.5
55°	1473.2	1493.0	1664.0	1929.5	2262.7	2482.4	2328.0	2368.3	2400.3	2410.2	2512.9
57.5°	1159.8	1187.2	1361.3	1705.9	2112.8	2543.3	2758.5	2776.8	2741.0	2773.7	2811.0
60°	628.2	625.1	867.8	1233.6	1797.9	2430.7	3173.8	3487.1	3494.7	3544.9	3484.8
62.5°	351.4	351.4	421.4	633.5	1156.8	2056.5	3373.1	4101.6	4196.8	4276.5	4452.3
65°	265.5	267.7	292.8	381.8	649.5	1298.2	3227.0	4311.5	4494.1	4677.3	4985.4
67.5°	220.5	220.5	238.9	284.5	406.1	589.4	2375.9	3890.2	4118.4	4337.4	4763.3
69°	204.6	205.3	219.0	250.2	339.9	383.3	1641.2	3298.5	3559.4	3862.9	4364.8
70°	197.0	194.7	207.7	233.4	308.0	302.7	1202.4	2868.0	3070.3	3342.6	3919.8
72.5°	174.9	172.7	179.5	199.3	242.6	215.9	490.5	1543.1	1848.2	2153.1	2613.2
75°	155.9	153.6	159.0	168.1	188.6	165.0	246.4	646.5	782.6	1011.5	1395.6
77.5°	137.7	133.1	137.7	143.7	148.3	123.2	167.4	298.9	366.6	450.2	635.9
80°	124.7	120.2	125.5	122.4	116.4	95.0	111.0	174.2	193.1	231.2	302.7
82.5°	89.0	88.2	119.4	123.2	92.8	69.3	79.1	111.8	124.7	131.6	159.7
85°	54.7	52.5	69.3	88.2	94.3	43.4	50.9	66.2	69.3	75.3	89.0
87.5°	28.1	28.9	37.2	45.6	61.6	25.9	30.4	38.8	38.8	38.8	44.1
90°	6.9	8.4	11.5	16.0	12.9	6.9	11.5	9.1	10.6	9.1	10.6
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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CATALOG NUMBER: IST-AF-800-LED-E1-T2

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°	728.6	728.6	728.6	728.6	728.6	728.6	728.6	728.6	728.6	728.6	728.6
2.5°	754.4	752.2	749.1	749.9	748.4	746.1	746.9	746.1	746.9	745.3	743.8
5°	776.5	775.0	770.5	769.7	768.1	766.6	764.3	762.1	761.3	759.7	756.8
7.5°	801.6	797.1	794.7	791.8	788.0	781.8	781.1	778.1	775.8	774.3	770.5
10°	827.5	822.1	819.1	815.3	811.5	807.7	803.9	798.6	793.3	791.8	787.2
12.5°	866.2	859.4	853.3	847.2	843.4	836.6	831.2	824.4	819.1	816.8	809.3
15°	908.9	899.7	893.6	889.0	883.0	876.9	870.0	864.0	855.6	848.7	841.9
17.5°	959.0	950.7	946.1	937.7	930.2	923.3	918.0	910.4	903.6	891.4	885.3
20°	1025.2	1018.3	1013.0	1003.9	995.5	988.7	984.2	968.2	959.0	948.4	938.6
22.5°	1086.8	1087.6	1082.3	1076.1	1070.8	1061.7	1054.2	1042.7	1031.3	1018.3	1004.6
25°	1153.8	1159.8	1160.6	1159.1	1156.0	1145.4	1141.6	1130.2	1121.1	1099.8	1093.6
27.5°	1228.3	1235.1	1243.5	1254.1	1256.4	1245.0	1250.4	1238.9	1222.9	1213.8	1194.1
30°	1300.6	1319.5	1337.0	1349.2	1356.8	1362.2	1358.4	1354.5	1343.9	1328.7	1311.2
32.5°	1393.4	1413.1	1430.6	1457.2	1470.9	1487.7	1484.6	1486.1	1482.4	1467.1	1446.6
35°	1486.9	1504.4	1527.2	1544.7	1578.1	1596.4	1611.6	1610.8	1610.8	1601.7	1581.9
37.5°	1569.8	1579.6	1598.7	1627.6	1649.6	1678.6	1702.9	1712.7	1728.7	1729.5	1708.2
40°	1656.5	1666.4	1680.8	1702.1	1726.4	1760.7	1793.3	1825.4	1840.5	1856.5	1848.2
42.5°	1750.1	1760.7	1771.3	1785.0	1820.0	1846.6	1890.7	1934.1	1965.3	1997.9	1994.1
45°	1842.8	1855.0	1870.2	1890.7	1921.9	1965.3	2007.8	2056.5	2128.0	2166.8	2193.4
47.5°	1947.8	1967.5	1995.7	2028.4	2053.5	2098.4	2152.4	2227.7	2299.9	2366.8	2408.6
50°	2105.9	2113.5	2159.2	2191.2	2239.0	2284.7	2338.7	2404.9	2498.4	2566.9	2633.8
52.5°	2292.3	2321.2	2366.8	2403.3	2441.4	2487.0	2542.5	2601.9	2694.7	2771.5	2858.1
55°	2532.6	2573.7	2613.2	2633.0	2686.3	2727.3	2772.2	2830.8	2930.3	3014.0	3116.0
57.5°	2819.4	2860.4	2879.4	2908.4	2931.2	2976.8	3037.7	3077.1	3165.4	3252.1	3360.1
60°	3408.1	3382.2	3405.0	3360.1	3353.2	3357.0	3370.0	3400.4	3449.8	3530.5	3644.6
62.5°	4470.5	4433.3	4334.3	4298.6	4229.4	4135.9	4047.6	4035.4	4009.7	4070.4	4141.9
65°	5091.1	5226.5	5241.0	5278.9	5251.6	5178.6	5075.2	5041.7	4958.0	4899.4	4895.6
67.5°	4942.1	5145.1	5272.1	5432.6	5521.6	5608.3	5631.1	5660.8	5606.8	5580.2	5587.8
69°	4527.6	4678.2	4962.5	5072.1	5212.8	5328.4	5480.6	5507.2	5559.6	5567.2	5668.4
70°	4116.9	4338.1	4500.9	4665.2	4859.9	4986.9	5055.3	5167.9	5298.0	5361.9	5471.4
72.5°	2960.0	3032.3	3147.9	3360.9	3414.8	3546.5	3681.1	3776.8	3929.8	4037.8	4295.6
75°	1597.1	1640.5	1822.3	1943.2	1975.1	2018.5	2117.4	2140.9	2198.0	2233.0	2480.9
77.5°	729.4	795.5	819.1	885.3	848.0	866.2	889.9	884.5	900.5	976.5	1063.3
80°	336.1	349.1	358.2	385.6	387.1	381.0	383.3	379.5	376.4	388.6	397.7
82.5°	163.5	183.3	183.3	200.0	208.4	206.1	210.6	209.2	212.2	209.2	219.0
85°	95.9	95.9	103.4	112.5	111.0	114.1	114.1	120.2	120.9	122.4	122.4
87.5°	44.9	49.4	51.8	55.5	57.1	59.3	60.9	60.9	61.6	60.0	61.6
90°	11.5	11.5	19.0	19.0	20.6	22.8	19.7	21.3	26.6	19.7	25.1
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



REPORT NUMBER: P226245

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

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: P226245

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

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	728.6	728.6	728.6	728.6	728.6	728.6	728.6	728.6	728.6	728.6	728.6
2.5°	742.3	743.8	743.1	740.0	739.3	739.3	737.8	736.9	735.5	734.7	736.2
5°	756.0	756.0	753.7	750.6	747.6	746.9	746.1	742.3	740.8	739.3	737.8
7.5°	769.0	767.4	764.3	759.0	756.0	755.2	752.2	748.4	744.6	741.5	740.0
10°	782.6	781.1	775.0	771.2	765.1	764.3	759.0	754.4	750.6	746.9	743.8
12.5°	802.4	800.9	794.0	784.9	780.3	777.2	770.5	765.1	759.7	755.2	749.9
15°	832.8	826.7	822.1	813.0	806.2	800.0	791.8	784.1	776.5	769.0	764.3
17.5°	875.4	867.1	854.9	849.6	840.5	830.5	819.1	813.8	803.9	794.7	785.6
20°	930.9	922.5	903.6	896.7	883.7	869.3	860.2	848.7	840.5	825.9	816.1
22.5°	992.5	984.9	966.7	948.4	936.2	924.8	910.4	895.9	879.9	866.2	855.6
25°	1072.4	1061.0	1044.9	1026.7	1008.5	992.5	972.7	952.2	938.6	919.5	904.3
27.5°	1181.1	1161.4	1134.8	1114.9	1100.5	1076.1	1051.8	1033.6	1012.3	987.1	970.5
30°	1299.0	1276.9	1257.2	1234.4	1210.0	1186.4	1153.0	1126.4	1103.6	1077.0	1049.5
32.5°	1429.9	1410.9	1382.7	1353.1	1326.4	1296.7	1272.4	1244.2	1204.7	1176.6	1147.6
35°	1561.4	1539.3	1510.5	1485.3	1454.9	1424.5	1397.1	1359.9	1324.1	1283.8	1243.5
37.5°	1688.4	1669.4	1637.4	1599.4	1572.8	1540.2	1511.9	1472.4	1429.9	1385.0	1354.5
40°	1829.9	1799.5	1777.4	1733.3	1705.9	1669.4	1629.0	1598.7	1557.6	1509.0	1465.6
42.5°	1991.9	1970.6	1947.0	1911.3	1882.3	1839.0	1788.0	1749.2	1711.2	1653.4	1593.3
45°	2197.2	2183.5	2144.7	2115.9	2077.1	2031.4	1987.3	1940.1	1880.1	1813.2	1758.4
47.5°	2443.6	2433.0	2398.0	2357.0	2305.9	2244.4	2203.3	2138.7	2087.7	2004.1	1938.6
50°	2667.2	2672.6	2653.5	2590.4	2544.8	2483.2	2418.6	2362.3	2283.9	2197.2	2113.5
52.5°	2934.2	2928.9	2880.9	2846.0	2791.9	2717.5	2646.7	2574.5	2488.5	2398.8	2294.6
55°	3189.8	3205.7	3172.3	3122.8	3057.4	2953.3	2881.8	2788.2	2697.6	2598.8	2478.6
57.5°	3437.7	3488.7	3462.8	3404.2	3337.3	3262.0	3167.7	3062.7	2969.2	2839.9	2704.5
60°	3746.5	3814.2	3824.8	3786.8	3713.7	3626.3	3502.3	3420.2	3291.7	3172.3	3068.0
62.5°	4221.8	4375.5	4366.3	4384.6	4332.8	4278.8	4133.5	4045.4	3878.0	3792.1	3646.8
65°	5015.8	5129.2	5265.2	5260.7	5224.9	5095.7	4945.0	4797.5	4687.3	4517.7	4366.3
67.5°	5682.1	5775.6	5856.2	5814.4	5732.2	5586.9	5410.6	5205.2	5037.1	4850.0	4651.6
69°	5744.4	5858.5	5905.7	5853.9	5706.4	5517.0	5344.4	5153.5	4922.2	4761.8	4519.9
70°	5577.1	5689.7	5784.7	5651.6	5516.3	5331.4	5142.8	4944.3	4737.5	4564.8	4320.6
72.5°	4430.2	4557.2	4544.3	4529.8	4421.8	4237.1	4063.6	3957.2	3811.8	3603.4	3427.0
75°	2576.0	2634.5	2531.9	2639.8	2510.5	2324.2	2348.6	2228.4	2121.9	2001.8	1908.9
77.5°	1011.5	1063.3	1009.2	991.8	934.0	921.1	824.4	835.9	788.0	693.7	650.3
80°	383.3	390.2	381.0	362.0	358.2	336.1	330.1	308.8	298.9	267.7	256.4
82.5°	206.1	209.9	203.9	197.7	193.1	180.2	171.9	155.9	146.8	136.9	136.2
85°	118.7	115.6	112.5	109.6	102.7	95.0	89.0	82.9	76.0	70.7	65.4
87.5°	62.4	63.1	63.9	60.9	56.3	50.2	46.4	44.1	38.8	36.5	34.3
90°	20.6	15.2	17.5	22.1	20.6	16.8	16.0	13.7	11.5	11.5	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



REPORT NUMBER: P226245
 CATALOG NUMBER: IST-AF-800-LED-E1-T2

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: P226245
 NUMBER: IST-AF-800-LED-E1-T2

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°	110°	87°
728.6	728.6	728.6	728.6	728.6	728.6	728.6	728.6	728.6	728.6	728.6	110°	0.0
734.0	734.0	731.6	730.1	724.8	715.7	706.6	698.2	686.8	682.2	676.2	112.5°	0.0
736.2	734.7	732.4	729.4	718.7	697.4	675.4	651.8	627.5	605.4	579.5	115°	0.0
737.8	734.7	731.6	727.8	712.6	680.0	635.9	589.4	546.1	513.4	499.7	117.5°	0.0
738.5	736.2	732.4	727.1	705.8	657.1	586.4	519.5	481.4	468.5	466.3	120°	0.0
746.9	743.1	736.9	730.9	702.8	632.0	530.9	467.0	451.7	457.9	468.5	122.5°	0.0
757.5	753.0	745.3	739.3	701.2	599.3	476.9	437.3	442.6	459.4	476.9	125°	0.0
776.5	769.0	760.6	754.4	704.3	559.0	433.5	422.1	438.0	459.4	482.9	127.5°	0.0
804.7	794.0	784.1	773.5	708.8	508.8	407.6	412.2	431.3	454.1	479.9	130°	0.0
839.6	827.5	813.8	797.8	714.1	465.4	393.2	401.6	419.1	438.8	460.1	132.5°	0.0
886.8	870.0	852.5	832.8	721.8	418.3	380.2	389.4	400.1	411.4	422.1	135°	0.0
946.1	923.3	904.3	877.7	729.4	386.4	369.6	372.7	374.9	376.4	375.7	137.5°	0.0
1025.2	990.2	968.2	935.5	737.8	369.6	357.4	353.6	349.8	344.5	338.5	140°	0.0
1108.9	1079.9	1044.9	1003.2	743.1	358.2	346.1	333.9	323.3	317.9	317.9	142.5°	0.0
1206.3	1170.5	1126.4	1073.9	736.2	346.1	330.8	314.9	308.8	315.6	313.3	145°	0.0
1303.5	1254.1	1205.4	1145.4	719.4	332.4	314.1	305.8	310.3	301.2	295.8	147.5°	0.0
1410.9	1356.0	1288.4	1218.4	695.1	317.9	305.8	310.3	294.3	283.7	288.3	150°	0.0
1530.9	1466.3	1393.4	1298.2	679.1	308.8	292.8	296.7	282.9	275.3	273.0	152.5°	0.0
1694.5	1602.5	1513.5	1401.6	691.3	294.3	267.7	282.9	275.3	268.5	262.4	155°	0.0
1855.0	1756.9	1651.9	1520.3	712.6	283.7	248.0	268.5	273.8	262.4	251.0	157.5°	0.0
2016.2	1912.0	1789.6	1642.8	738.5	276.8	232.7	251.0	270.0	256.4	247.1	160°	0.0
2185.8	2054.3	1928.8	1770.5	771.9	270.0	220.5	235.8	263.1	256.4	242.6	162.5°	0.0
2363.8	2208.7	2083.1	1912.0	830.5	260.1	205.3	223.6	256.4	255.5	238.0	165°	0.0
2570.7	2432.3	2271.0	2096.8	911.9	248.7	191.7	214.5	250.2	252.5	232.7	167.5°	0.0
2922.8	2779.8	2585.1	2419.3	1073.2	233.4	183.3	205.3	240.3	246.4	228.1	170°	0.0
3494.0	3299.2	3120.5	2965.3	1349.2	212.2	177.2	195.5	229.7	238.9	224.3	172.5°	0.0
4148.8	3958.6	3742.7	3481.8	1502.8	192.4	168.9	183.3	219.0	231.2	220.5	175°	0.0
4427.1	4178.4	3916.1	3606.5	1356.0	176.5	159.7	171.9	206.8	220.5	215.2	177.5°	0.0
4299.4	4047.6	3742.7	3439.2	1179.6	168.1	154.4	165.8	197.7	213.7	209.9	180°	0.0
4077.3	3824.0	3551.8	3187.4	1053.3	163.5	150.6	162.0	194.0	209.9	206.8		
3224.8	2998.9	2747.9	2470.2	717.9	148.3	138.4	150.6	178.7	196.2	195.5		
1708.9	1642.8	1457.2	1294.4	371.9	132.4	125.5	137.7	165.0	183.3	183.3		
615.3	558.2	533.9	443.4	197.7	115.6	112.5	121.7	149.9	167.4	166.5		
232.7	226.7	203.1	190.2	125.5	94.3	95.0	104.2	131.6	148.3	147.5		
131.6	119.4	115.6	111.8	79.9	74.6	78.4	87.5	112.5	127.1	129.3		
63.1	58.5	57.1	53.2	52.5	57.1	61.6	69.3	89.7	107.2	105.0		
30.4	28.9	28.1	27.4	37.2	36.5	44.9	47.9	60.0	85.2	76.8		
9.9	9.9	9.1	7.6	10.6	12.2	14.4	20.6	25.1	49.4	40.3		
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'226245
 IST-AF-800-LED-E1-T2

REPORT NUMBER: P226245
 CATALOG NUMBER: IST-AF-80

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°	728.6	728.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	670.9	660.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	560.5	559.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	491.3	481.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	468.5	467.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	478.4	480.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	491.3	495.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	499.7	508.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	497.4	507.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	472.3	476.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	427.4	428.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	373.5	371.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	335.4	325.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	317.9	311.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	305.8	295.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	317.1	316.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	327.8	326.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	309.5	295.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	276.1	260.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	253.3	244.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	242.6	239.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	239.6	247.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	238.0	246.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	227.4	241.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	219.8	237.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	215.2	235.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	211.4	236.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	205.3	241.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69°	202.3	240.3
										70°	199.3	238.0
										72.5°	188.6	219.8
										75°	175.6	194.0
										77.5°	159.0	166.5
										80°	140.7	145.3
										82.5°	122.4	139.9
										85°	95.9	118.7
										87.5°	70.7	65.4
										90°	40.3	29.7
										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: P226245

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

0-LED-E1-T2

tinued):

180°
728.6
662.5
554.4
482.2
470.0
479.2
497.4
511.1
509.5
480.7
430.5
378.0
333.1
318.6
300.4
320.2
329.3
298.9
260.1
242.6
238.0
249.5
245.6
242.6
238.0
234.3
233.4
235.0
232.0
228.1
205.3
184.8
166.5
146.8
124.0
92.8
70.7
25.1
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

