

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: P226247

Luminaire Tested: **IST-AF-800-LED-E1-T2-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226247
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-T2-7050
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II
Light Source: (16) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5121.5 lumens
Efficiency: N/A
Efficacy: 117.7 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

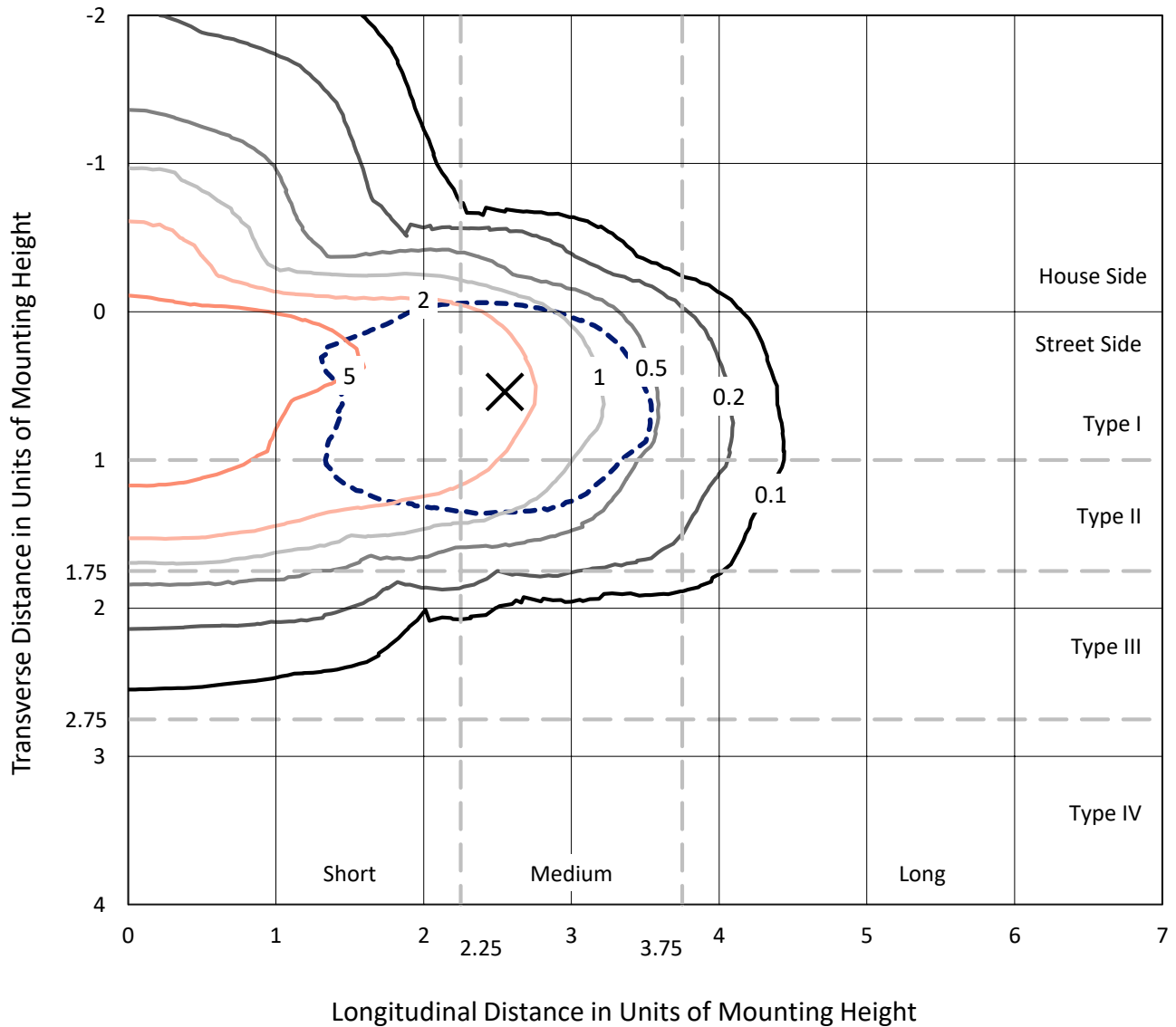


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Iso-Footcandle Lines of Horizontal Illumination

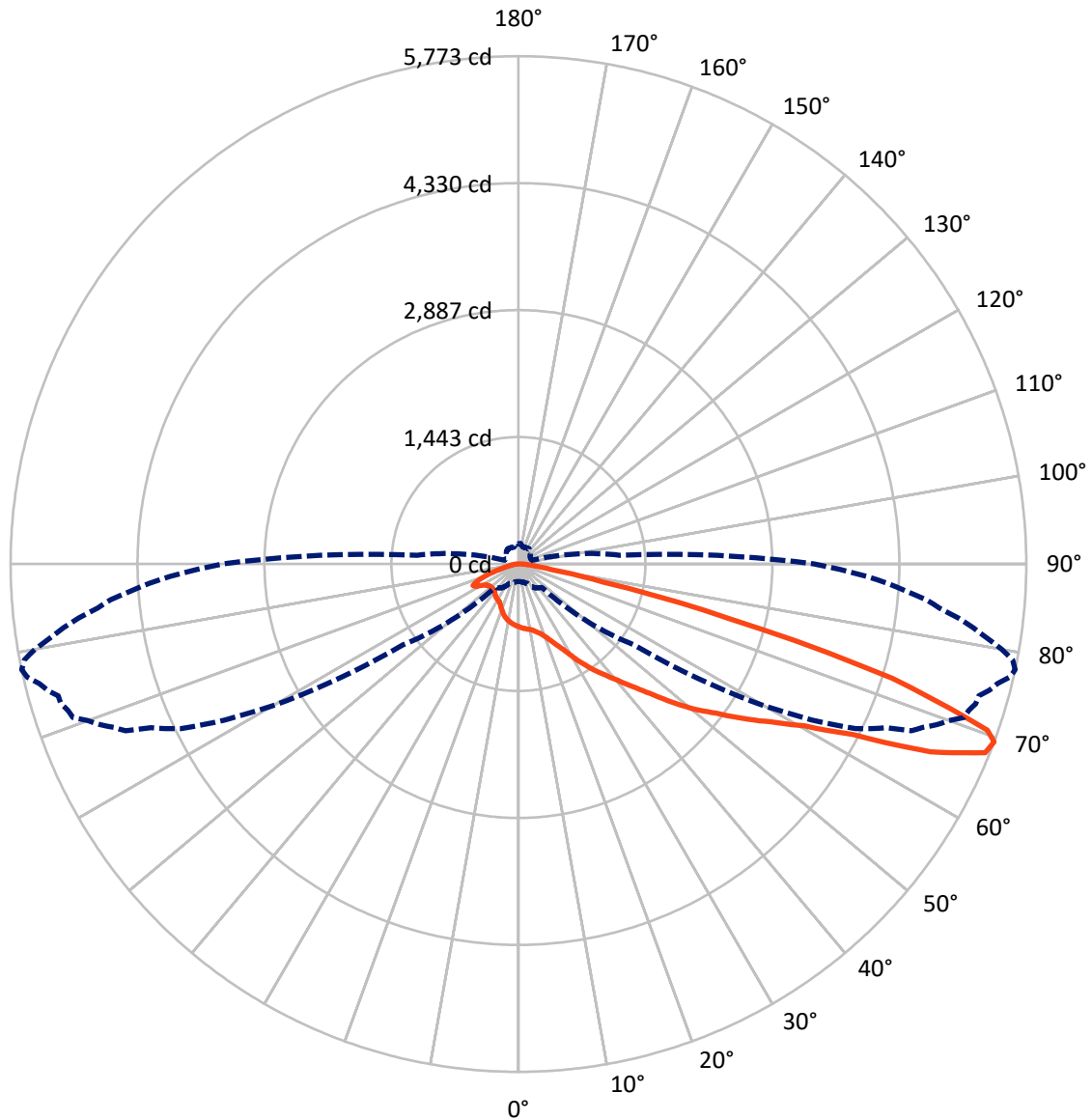
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.1 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	936.4	1.8	938.2
	% Fixture	18.3	0.0	18.3
Street Side	Lumens	4182.5	0.8	4183.3
	% Fixture	81.7	0.0	81.7
Total	Lumens	5118.9	2.6	5121.5
	% Fixture	99.9	0.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.1	1.3
10°-20°	199.7	3.9
20°-30°	358.0	7.0
30°-40°	584.4	11.4
40°-50°	864.4	16.9
50°-60°	1128.7	22.0
60°-70°	1262.3	24.6
70°-80°	566.7	11.1
80°-90°	88.4	1.7
90°-100°	2.6	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°	5118.9	99.9
0°-180°	5121.5	100.0



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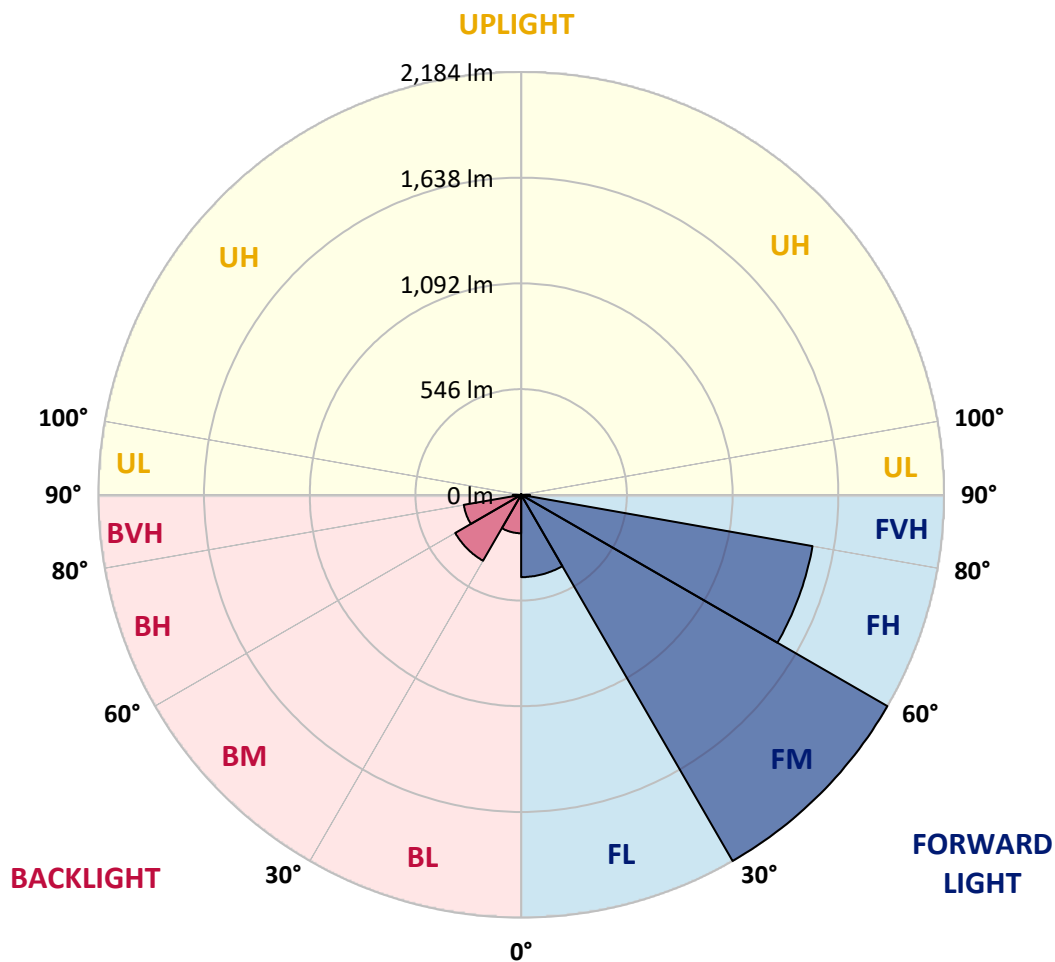
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	425.1	8.3			
FM (30°-60°)	2184.1	42.6			
FH (60°-80°)	1528.1	29.8			G1/1800
FVH (80°-90°)	45.1	0.9			G1/100
BL (0°-30°)	198.7	3.9	B1/500		
BM (30°-60°)	393.4	7.7	B1/1000		
BH (60°-80°)	300.9	5.9	B1/500		G1/500
BVH (80°-90°)	43.3	0.8			G1/100
UL (90°-100°)	2.6	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°	712.3	712.3	712.3	712.3	712.3	712.3	712.3	712.3	712.3	712.3	712.3
2.5°	762.8	762.8	760.6	759.1	756.9	750.9	742.0	740.5	739.8	738.3	736.8
5°	818.6	812.6	814.1	810.4	802.2	791.8	775.5	767.3	762.8	762.1	759.1
7.5°	863.9	864.7	862.4	855.0	843.9	831.2	808.9	796.3	792.6	790.3	785.1
10°	896.6	894.4	892.9	891.4	882.5	872.1	843.9	828.2	825.3	819.3	813.4
12.5°	920.4	920.4	920.4	918.9	913.7	905.6	883.3	867.6	863.9	855.8	850.5
15°	946.5	943.5	940.5	938.3	939.0	939.0	922.7	910.8	904.8	900.4	890.0
17.5°	1002.2	995.5	988.8	979.9	965.8	962.1	961.3	960.6	952.4	951.7	941.3
20°	1049.8	1043.9	1037.9	1029.0	1008.9	987.3	998.5	1008.9	1007.4	1008.2	1003.0
22.5°	1108.5	1104.1	1092.2	1081.8	1055.7	1029.7	1031.2	1053.5	1056.5	1059.5	1061.0
25°	1188.8	1186.6	1167.3	1147.2	1117.5	1092.9	1069.9	1097.4	1103.3	1110.0	1123.4
27.5°	1269.9	1264.7	1243.9	1226.0	1188.8	1162.8	1130.8	1145.7	1154.6	1167.3	1188.1
30°	1374.7	1360.6	1353.1	1313.0	1278.8	1240.9	1213.4	1217.8	1216.3	1231.2	1263.2
32.5°	1526.4	1504.1	1466.9	1426.7	1386.6	1336.0	1313.0	1312.3	1308.5	1325.6	1343.5
35°	1608.2	1603.0	1579.9	1539.8	1495.9	1448.3	1433.4	1419.3	1421.5	1430.5	1437.2
37.5°	1696.6	1692.2	1674.3	1652.0	1618.6	1644.6	1562.1	1541.2	1531.6	1527.1	1529.3
40°	1735.3	1739.0	1748.7	1752.4	1733.1	1858.0	1695.1	1626.7	1623.8	1617.1	1610.4
42.5°	1743.5	1753.1	1772.5	1814.8	1833.4	2105.5	1805.2	1722.7	1710.8	1705.6	1706.3
45°	1773.2	1788.1	1791.8	1830.5	1918.2	2118.2	1929.3	1807.4	1798.5	1797.7	1793.3
47.5°	1845.3	1865.4	1865.4	1882.5	1965.8	2142.7	1971.7	1892.2	1886.2	1883.2	1895.1
50°	1855.7	1882.5	1936.0	1991.1	2051.3	2162.8	2020.0	1984.4	1986.6	1993.3	2028.2
52.5°	1679.5	1706.3	1847.6	2009.6	2205.9	2217.8	2092.9	2107.0	2121.9	2154.6	2218.6
55°	1440.1	1459.5	1626.7	1886.2	2211.9	2426.7	2275.8	2315.2	2346.4	2356.1	2456.5
57.5°	1133.8	1160.6	1330.8	1667.6	2065.4	2486.2	2696.6	2714.5	2679.5	2711.5	2747.9
60°	614.1	611.1	848.3	1205.9	1757.6	2376.2	3102.6	3408.9	3416.3	3465.4	3406.6
62.5°	343.5	343.5	411.9	619.3	1130.8	2010.4	3297.4	4009.6	4102.6	4180.6	4352.4
65°	259.5	261.7	286.2	373.2	634.9	1269.1	3154.6	4214.8	4393.3	4572.4	4873.5
67.5°	215.6	215.6	233.5	278.1	397.0	576.2	2322.6	3802.9	4026.0	4240.1	4656.4
69°	200.0	200.7	214.1	244.6	332.3	374.7	1604.4	3224.5	3479.5	3776.2	4266.9
70°	192.6	190.3	203.0	228.2	301.1	295.9	1175.4	2803.7	3001.4	3267.6	3831.9
72.5°	171.0	168.8	175.5	194.8	237.2	211.1	479.5	1508.5	1806.7	2104.8	2554.6
75°	152.4	150.2	155.4	164.3	184.4	161.3	240.9	632.0	765.0	988.8	1364.3
77.5°	134.6	130.1	134.6	140.5	145.0	120.4	163.6	292.2	358.4	440.1	621.6
80°	121.9	117.5	122.7	119.7	113.8	92.9	108.5	170.3	188.8	226.0	295.9
82.5°	87.0	86.2	116.7	120.4	90.7	67.7	77.3	109.3	121.9	128.6	156.1
85°	53.5	51.3	67.7	86.2	92.2	42.4	49.8	64.7	67.7	73.6	87.0
87.5°	27.5	28.3	36.4	44.6	60.2	25.3	29.7	37.9	37.9	37.9	43.1
90°	6.7	8.2	11.2	15.6	12.6	6.7	11.2	8.9	10.4	8.9	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



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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°	712.3	712.3	712.3	712.3	712.3	712.3	712.3	712.3	712.3	712.3	712.3
2.5°	737.5	735.3	732.3	733.1	731.6	729.4	730.1	729.4	730.1	728.6	727.1
5°	759.1	757.6	753.2	752.4	750.9	749.4	747.2	745.0	744.2	742.7	739.8
7.5°	783.6	779.2	776.9	774.0	770.3	764.3	763.6	760.6	758.4	756.9	753.2
10°	808.9	803.7	800.7	797.0	793.3	789.6	785.9	780.7	775.5	774.0	769.5
12.5°	846.8	840.1	834.2	828.2	824.5	817.8	812.6	805.9	800.7	798.5	791.1
15°	888.5	879.5	873.6	869.1	863.2	857.2	850.5	844.6	836.4	829.7	823.0
17.5°	937.5	929.4	924.9	916.7	909.3	902.6	897.4	890.0	883.3	871.4	865.4
20°	1002.2	995.5	990.3	981.4	973.2	966.5	962.1	946.5	937.5	927.1	917.5
22.5°	1062.4	1063.2	1058.0	1052.0	1046.8	1037.9	1030.5	1019.3	1008.2	995.5	982.1
25°	1127.9	1133.8	1134.6	1133.1	1130.1	1119.7	1116.0	1104.8	1095.9	1075.1	1069.1
27.5°	1200.7	1207.4	1215.6	1226.0	1228.2	1217.1	1222.3	1211.1	1195.5	1186.6	1167.3
30°	1271.4	1289.9	1307.0	1318.9	1326.4	1331.6	1327.9	1324.1	1313.7	1298.9	1281.8
32.5°	1362.1	1381.4	1398.5	1424.5	1437.9	1454.3	1451.3	1452.8	1449.1	1434.2	1414.1
35°	1453.5	1470.6	1492.9	1510.0	1542.7	1560.6	1575.4	1574.7	1574.7	1565.8	1546.4
37.5°	1534.6	1544.2	1562.8	1591.1	1612.6	1640.9	1664.7	1674.3	1689.9	1690.7	1669.9
40°	1619.3	1629.0	1643.1	1663.9	1687.7	1721.2	1753.1	1784.4	1799.2	1814.8	1806.7
42.5°	1710.8	1721.2	1731.6	1745.0	1779.2	1805.2	1848.3	1890.7	1921.2	1953.1	1949.4
45°	1801.5	1813.4	1828.2	1848.3	1878.8	1921.2	1962.8	2010.4	2080.3	2118.2	2144.2
47.5°	1904.1	1923.4	1950.9	1982.9	2007.4	2051.3	2104.1	2177.7	2248.3	2313.7	2354.6
50°	2058.7	2066.1	2110.8	2142.0	2188.8	2233.4	2286.2	2350.9	2442.3	2509.3	2574.7
52.5°	2240.9	2269.1	2313.7	2349.4	2386.6	2431.2	2485.5	2543.5	2634.2	2709.3	2794.0
55°	2475.8	2516.0	2554.6	2573.9	2626.0	2666.1	2710.0	2767.3	2864.6	2946.4	3046.1
57.5°	2756.1	2796.2	2814.8	2843.1	2865.4	2910.0	2969.5	3008.1	3094.4	3179.1	3284.7
60°	3331.6	3306.3	3328.6	3284.7	3278.0	3281.7	3294.4	3324.1	3372.4	3451.3	3562.8
62.5°	4370.2	4333.8	4237.1	4202.2	4134.5	4043.1	3956.8	3944.9	3919.7	3979.1	4049.0
65°	4976.9	5109.2	5123.4	5160.5	5133.8	5062.4	4961.3	4928.6	4846.8	4789.5	4785.8
67.5°	4831.2	5029.7	5153.8	5310.7	5397.7	5482.5	5504.8	5533.8	5481.0	5455.0	5462.4
69°	4426.0	4573.2	4851.2	4958.3	5095.8	5208.9	5357.6	5383.6	5434.9	5442.3	5541.2
70°	4024.5	4240.8	4399.9	4560.5	4750.9	4875.0	4941.9	5052.0	5179.1	5241.6	5348.6
72.5°	2893.6	2964.3	3077.3	3285.5	3338.2	3466.9	3598.5	3692.1	3841.6	3947.2	4199.2
75°	1561.3	1603.7	1781.4	1899.6	1930.8	1973.2	2069.9	2092.9	2148.7	2182.9	2425.2
77.5°	713.0	777.7	800.7	865.4	829.0	846.8	869.9	864.7	880.3	954.6	1039.4
80°	328.6	341.3	350.2	376.9	378.4	372.5	374.7	371.0	368.0	379.9	388.8
82.5°	159.8	179.2	179.2	195.5	203.7	201.5	205.9	204.5	207.4	204.5	214.1
85°	93.7	93.7	101.1	110.0	108.5	111.5	111.5	117.5	118.2	119.7	119.7
87.5°	43.9	48.3	50.6	54.3	55.8	58.0	59.5	59.5	60.2	58.7	60.2
90°	11.2	11.2	18.6	18.6	20.1	22.3	19.3	20.8	26.0	19.3	24.5
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: P226247

CATALOG NUMBER: IST-AF-800-LED-E1-T2-7050

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: P226247

CATALOG NUMBER: IST-AF-800-LED-E1-T2-7050

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	712.3	712.3	712.3	712.3	712.3	712.3	712.3	712.3	712.3	712.3	712.3
2.5°	725.6	727.1	726.4	723.4	722.7	722.7	721.2	720.4	719.0	718.2	719.7
5°	739.0	739.0	736.8	733.8	730.8	730.1	729.4	725.6	724.2	722.7	721.2
7.5°	751.7	750.2	747.2	742.0	739.0	738.3	735.3	731.6	727.9	724.9	723.4
10°	765.0	763.6	757.6	753.9	747.9	747.2	742.0	737.5	733.8	730.1	727.1
12.5°	784.4	782.9	776.2	767.3	762.8	759.8	753.2	747.9	742.7	738.3	733.1
15°	814.1	808.2	803.7	794.8	788.1	782.1	774.0	766.5	759.1	751.7	747.2
17.5°	855.8	847.6	835.7	830.5	821.6	811.9	800.7	795.5	785.9	776.9	768.0
20°	910.0	901.8	883.3	876.6	863.9	849.8	840.9	829.7	821.6	807.4	797.8
22.5°	970.2	962.8	945.0	927.1	915.2	904.1	890.0	875.8	860.2	846.8	836.4
25°	1048.3	1037.2	1021.5	1003.7	985.9	970.2	950.9	930.8	917.5	898.9	884.0
27.5°	1154.6	1135.3	1109.3	1089.9	1075.8	1052.0	1028.2	1010.4	989.6	965.0	948.7
30°	1269.9	1248.3	1229.0	1206.7	1182.9	1159.8	1127.1	1101.1	1078.8	1052.8	1026.0
32.5°	1397.8	1379.2	1351.7	1322.7	1296.6	1267.6	1243.9	1216.3	1177.7	1150.2	1121.9
35°	1526.4	1504.8	1476.6	1452.0	1422.3	1392.5	1365.8	1329.4	1294.4	1255.0	1215.6
37.5°	1650.5	1631.9	1600.7	1563.5	1537.5	1505.6	1478.0	1439.4	1397.8	1353.9	1324.1
40°	1788.8	1759.1	1737.5	1694.4	1667.6	1631.9	1592.5	1562.8	1522.7	1475.1	1432.7
42.5°	1947.2	1926.4	1903.3	1868.4	1840.1	1797.7	1747.9	1710.0	1672.8	1616.3	1557.6
45°	2147.9	2134.5	2096.6	2068.4	2030.5	1985.8	1942.7	1896.6	1837.9	1772.5	1718.9
47.5°	2388.8	2378.4	2344.2	2304.1	2254.2	2194.0	2153.9	2090.7	2040.9	1959.1	1895.1
50°	2607.4	2612.6	2594.0	2532.3	2487.7	2427.5	2364.3	2309.3	2232.7	2147.9	2066.1
52.5°	2868.4	2863.2	2816.3	2782.1	2729.3	2656.5	2587.3	2516.7	2432.7	2345.0	2243.1
55°	3118.2	3133.8	3101.1	3052.7	2988.8	2887.0	2817.1	2725.6	2637.1	2540.5	2423.0
57.5°	3360.6	3410.4	3385.1	3327.8	3262.4	3188.8	3096.6	2994.0	2902.6	2776.2	2643.8
60°	3662.4	3728.6	3739.0	3701.8	3630.4	3544.9	3423.7	3343.5	3217.8	3101.1	2999.2
62.5°	4127.1	4277.3	4268.3	4286.2	4235.6	4182.8	4040.8	3954.6	3791.0	3707.0	3565.0
65°	4903.3	5014.1	5147.1	5142.7	5107.7	4981.4	4834.1	4689.9	4582.1	4416.3	4268.3
67.5°	5554.6	5646.0	5724.8	5683.9	5603.6	5461.6	5289.2	5088.4	4924.1	4741.2	4547.2
69°	5615.5	5727.1	5773.2	5722.6	5578.4	5393.2	5224.5	5037.9	4811.8	4655.0	4418.5
70°	5452.0	5562.0	5654.9	5524.8	5392.5	5211.8	5027.4	4833.4	4631.2	4462.4	4223.7
72.5°	4330.8	4455.0	4442.3	4428.2	4322.6	4142.0	3972.4	3868.4	3726.3	3522.6	3350.1
75°	2518.2	2575.4	2475.1	2580.6	2454.2	2272.1	2295.9	2178.4	2074.3	1956.9	1866.1
77.5°	988.8	1039.4	986.6	969.5	913.0	900.4	805.9	817.1	770.3	678.1	635.7
80°	374.7	381.4	372.5	353.9	350.2	328.6	322.7	301.9	292.2	261.7	250.6
82.5°	201.5	205.2	199.3	193.3	188.8	176.2	168.0	152.4	143.5	133.8	133.1
85°	116.0	113.0	110.0	107.1	100.4	92.9	87.0	81.0	74.3	69.1	63.9
87.5°	61.0	61.7	62.5	59.5	55.0	49.1	45.4	43.1	37.9	35.7	33.5
90°	20.1	14.9	17.1	21.6	20.1	16.4	15.6	13.4	11.2	11.2	8.9
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: P226247
 CATALOG NUMBER: IST-AF-800-LED-E1-T2-7050

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: P226247
 NUMBER: IST-AF-800-LED-E1-T2-7050

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°	110°	87°
712.3	712.3	712.3	712.3	712.3	712.3	712.3	712.3	712.3	712.3	712.3	110°	0.0
717.5	717.5	715.2	713.7	708.5	699.6	690.7	682.5	671.4	666.9	661.0	112.5°	0.0
719.7	718.2	716.0	713.0	702.6	681.8	660.2	637.2	613.4	591.8	566.5	115°	0.0
721.2	718.2	715.2	711.5	696.6	664.7	621.6	576.2	533.8	501.9	488.5	117.5°	0.0
721.9	719.7	716.0	710.8	690.0	642.4	573.2	507.8	470.6	458.0	455.8	120°	0.0
730.1	726.4	720.4	714.5	687.0	617.8	519.0	456.5	441.6	447.6	458.0	122.5°	0.0
740.5	736.1	728.6	722.7	685.5	585.9	466.2	427.5	432.7	449.1	466.2	125°	0.0
759.1	751.7	743.5	737.5	688.5	546.5	423.8	412.6	428.2	449.1	472.1	127.5°	0.0
786.6	776.2	766.5	756.1	692.9	497.4	398.5	403.0	421.6	443.9	469.1	130°	0.0
820.8	808.9	795.5	779.9	698.1	455.0	384.4	392.6	409.7	429.0	449.8	132.5°	0.0
866.9	850.5	833.4	814.1	705.6	408.9	371.7	380.7	391.1	402.2	412.6	135°	0.0
924.9	902.6	884.0	858.0	713.0	377.7	361.3	364.3	366.5	368.0	367.3	137.5°	0.0
1002.2	968.0	946.5	914.5	721.2	361.3	349.4	345.7	342.0	336.8	330.9	140°	0.0
1084.0	1055.7	1021.5	980.7	726.4	350.2	338.3	326.4	316.0	310.8	310.8	142.5°	0.0
1179.2	1144.2	1101.1	1049.8	719.7	338.3	323.4	307.8	301.9	308.5	306.3	145°	0.0
1274.3	1226.0	1178.4	1119.7	703.3	324.9	307.1	298.9	303.3	294.4	289.2	147.5°	0.0
1379.2	1325.6	1259.5	1191.1	679.5	310.8	298.9	303.3	287.7	277.3	281.8	150°	0.0
1496.6	1433.4	1362.1	1269.1	663.9	301.9	286.2	290.0	276.6	269.1	266.9	152.5°	0.0
1656.5	1566.5	1479.5	1370.2	675.8	287.7	261.7	276.6	269.1	262.5	256.5	155°	0.0
1813.4	1717.5	1614.8	1486.2	696.6	277.3	242.4	262.5	267.7	256.5	245.4	157.5°	0.0
1971.0	1869.1	1749.4	1605.9	721.9	270.6	227.5	245.4	263.9	250.6	241.6	160°	0.0
2136.8	2008.2	1885.5	1730.8	754.6	263.9	215.6	230.5	257.2	250.6	237.2	162.5°	0.0
2310.8	2159.1	2036.4	1869.1	811.9	254.3	200.7	218.6	250.6	249.8	232.7	165°	0.0
2513.0	2377.7	2220.0	2049.8	891.4	243.1	187.4	209.7	244.6	246.8	227.5	167.5°	0.0
2857.2	2717.4	2527.1	2365.0	1049.1	228.2	179.2	200.7	234.9	240.9	223.0	170°	0.0
3415.6	3225.2	3050.5	2898.8	1318.9	207.4	173.2	191.1	224.5	233.5	219.3	172.5°	0.0
4055.7	3869.8	3658.7	3403.7	1469.1	188.1	165.1	179.2	214.1	226.0	215.6	175°	0.0
4327.8	4084.7	3828.2	3525.6	1325.6	172.5	156.1	168.0	202.2	215.6	210.4	177.5°	0.0
4202.9	3956.8	3658.7	3362.0	1153.1	164.3	150.9	162.1	193.3	208.9	205.2	180°	0.0
3985.8	3738.2	3472.1	3115.9	1029.7	159.8	147.2	158.4	189.6	205.2	202.2		
3152.4	2931.6	2686.2	2414.8	701.8	145.0	135.3	147.2	174.7	191.8	191.1		
1670.6	1605.9	1424.5	1265.4	363.6	129.4	122.7	134.6	161.3	179.2	179.2		
601.5	545.7	521.9	433.5	193.3	113.0	110.0	119.0	146.5	163.6	162.8		
227.5	221.6	198.5	185.9	122.7	92.2	92.9	101.9	128.6	145.0	144.2		
128.6	116.7	113.0	109.3	78.1	72.9	76.6	85.5	110.0	124.2	126.4		
61.7	57.2	55.8	52.0	51.3	55.8	60.2	67.7	87.7	104.8	102.6		
29.7	28.3	27.5	26.8	36.4	35.7	43.9	46.8	58.7	83.3	75.1		
9.7	9.7	8.9	7.4	10.4	11.9	14.1	20.1	24.5	48.3	39.4		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'226247
 IST-AF-800-LED-E1-T2-7050

REPORT NUMBER: P226247
 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°	712.3	712.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	655.8	645.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	547.9	546.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	480.3	470.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	458.0	457.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	467.7	469.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	480.3	484.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	488.5	496.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	486.2	495.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	461.7	466.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	417.8	419.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	365.1	363.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	327.9	318.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	310.8	304.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	298.9	289.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	310.0	309.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	320.4	319.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	302.6	289.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	269.9	254.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	247.6	238.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	237.2	234.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	234.2	241.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	232.7	240.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	222.3	236.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	214.9	232.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	210.4	229.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	206.7	231.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	200.7	235.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69°	197.8	234.9
										70°	194.8	232.7
										72.5°	184.4	214.9
										75°	171.7	189.6
										77.5°	155.4	162.8
										80°	137.5	142.0
										82.5°	119.7	136.8
										85°	93.7	116.0
										87.5°	69.1	63.9
										90°	39.4	29.0
										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: P226247

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

0-LED-E1-T2-7050

tinued):

180°
712.3
647.6
542.0
471.4
459.5
468.4
486.2
499.6
498.1
469.9
420.8
369.5
325.6
311.5
293.7
313.0
321.9
292.2
254.3
237.2
232.7
243.9
240.1
237.2
232.7
229.0
228.2
229.7
226.8
223.0
200.7
180.7
162.8
143.5
121.2
90.7
69.1
24.5
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

