

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: P226246

Luminaire Tested: **IST-AF-800-LED-E1-T2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226246
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-T2-7030
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4533.6 lumens
Efficiency: N/A
Efficacy: 104.2 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

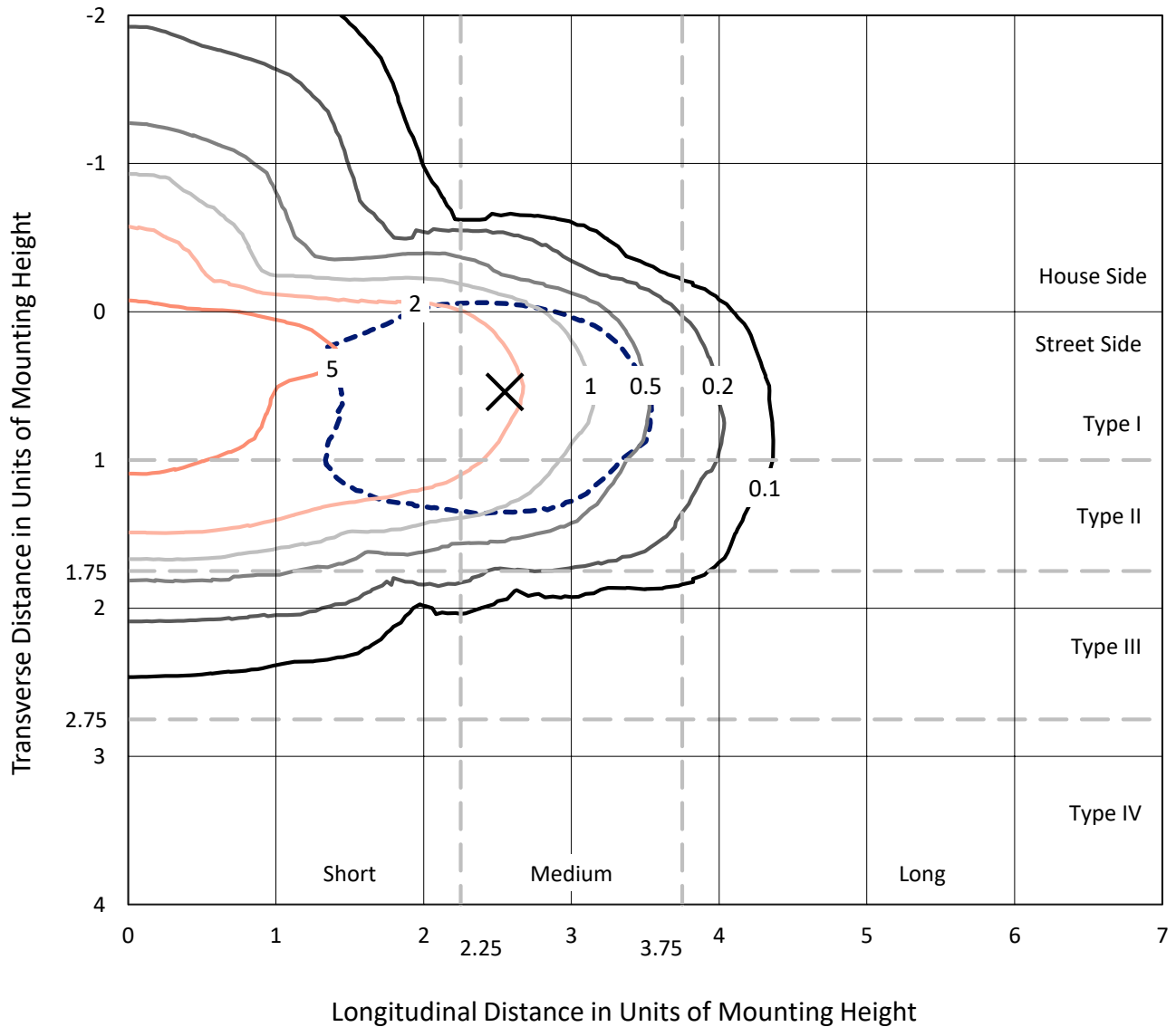


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Iso-Footcandle Lines of Horizontal Illumination

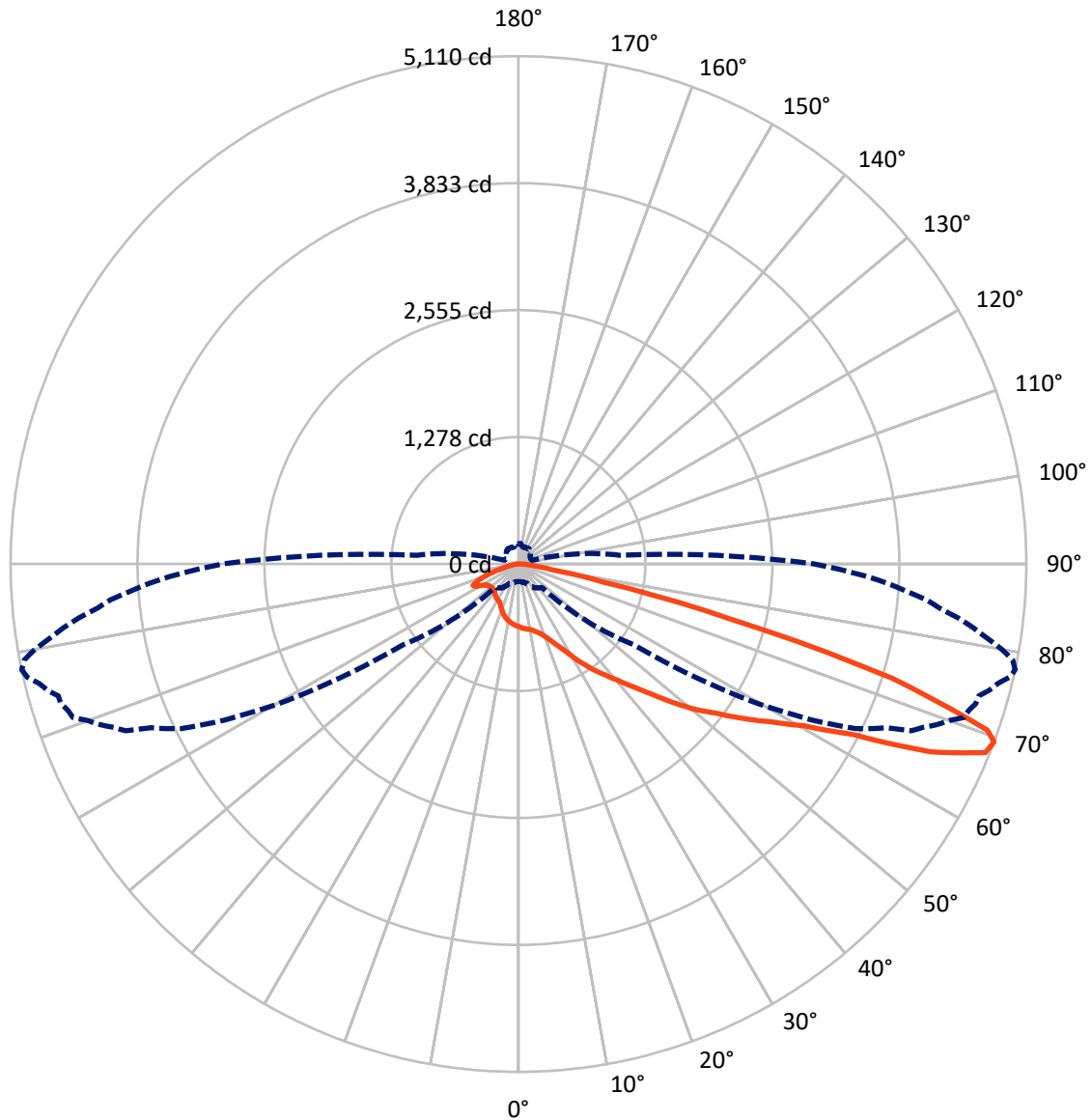
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.1 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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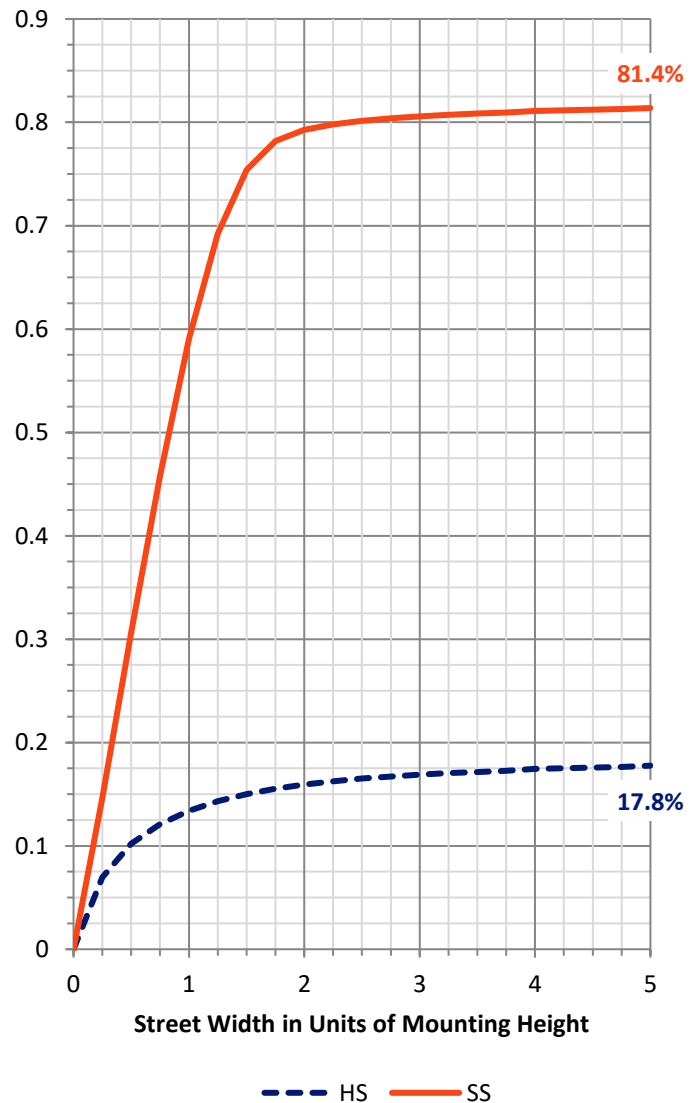
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	828.9	1.6	830.5
	% Fixture	18.3	0.0	18.3
Street Side	Lumens	3702.4	0.7	3703.1
	% Fixture	81.7	0.0	81.7
Total	Lumens	4531.3	2.3	4533.6
	% Fixture	99.9	0.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.5	1.3
10°-20°	176.8	3.9
20°-30°	316.9	7.0
30°-40°	517.3	11.4
40°-50°	765.2	16.9
50°-60°	999.1	22.0
60°-70°	1117.4	24.6
70°-80°	501.7	11.1
80°-90°	78.2	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°	4531.3	99.9
0°-180°	4533.6	100.0



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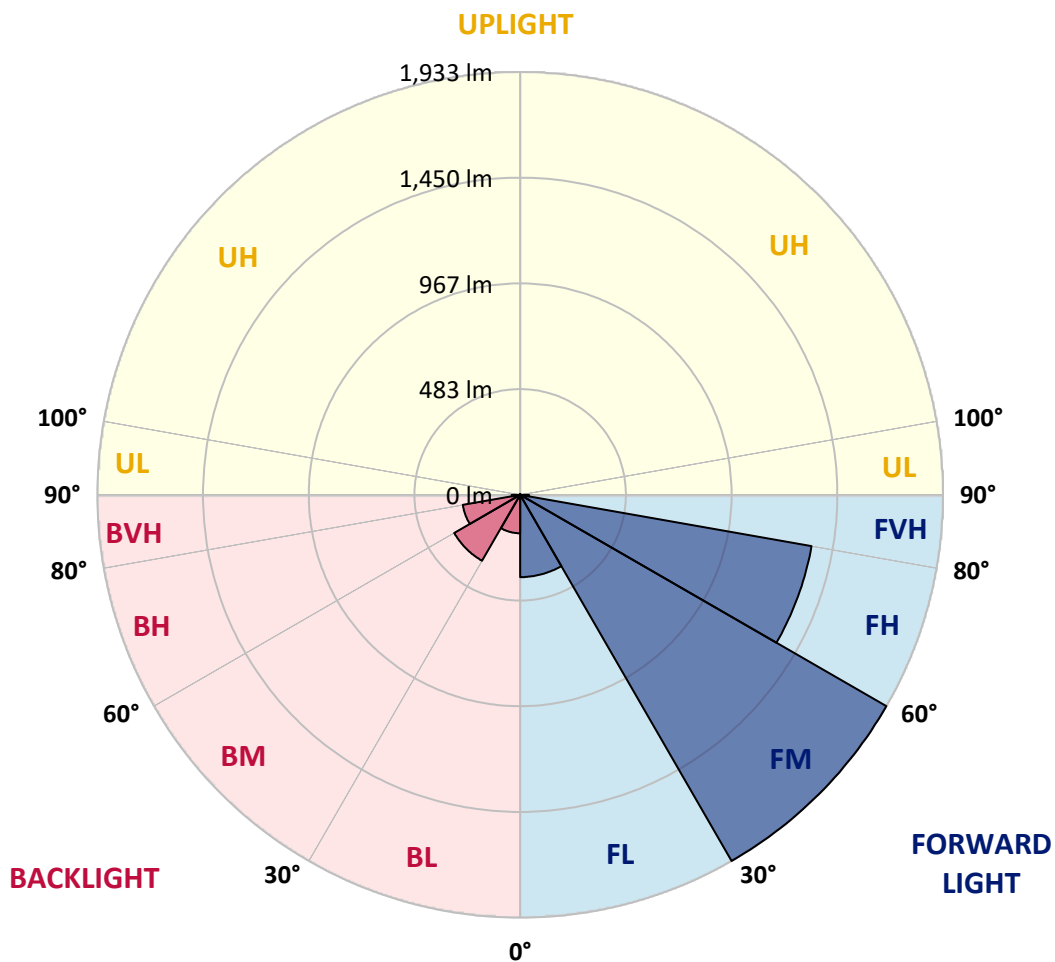
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	376.3	8.3			
FM	(30°-60°)	1933.4	42.6			
FH	(60°-80°)	1352.7	29.8			G1/1800
FVH	(80°-90°)	39.9	0.9			G1/100
BL	(0°-30°)	175.9	3.9	B1/500		
BM	(30°-60°)	348.3	7.7	B1/1000		
BH	(60°-80°)	266.4	5.9	B1/500		G1/500
BVH	(80°-90°)	38.3	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°	630.5	630.5	630.5	630.5	630.5	630.5	630.5	630.5	630.5	630.5	630.5
2.5°	675.2	675.2	673.3	672.0	670.0	664.7	656.8	655.5	654.8	653.5	652.2
5°	724.6	719.3	720.7	717.4	710.1	700.9	686.4	679.2	675.2	674.6	672.0
7.5°	764.8	765.4	763.4	756.9	747.0	735.8	716.0	704.9	701.6	699.6	695.0
10°	793.7	791.7	790.4	789.1	781.2	772.0	747.0	733.2	730.5	725.3	720.0
12.5°	814.8	814.8	814.8	813.5	808.8	801.6	781.9	768.0	764.8	757.5	752.9
15°	837.8	835.2	832.5	830.6	831.2	831.2	816.7	806.2	800.9	797.0	787.8
17.5°	887.2	881.2	875.3	867.4	854.9	851.6	851.0	850.3	843.1	842.4	833.2
20°	929.3	924.0	918.8	910.9	893.1	874.0	883.9	893.1	891.8	892.4	887.8
22.5°	981.3	977.3	966.8	957.6	934.5	911.5	912.8	932.6	935.2	937.8	939.2
25°	1052.4	1050.4	1033.3	1015.5	989.2	967.5	947.1	971.4	976.7	982.6	994.4
27.5°	1124.1	1119.5	1101.1	1085.3	1052.4	1029.3	1001.0	1014.2	1022.1	1033.3	1051.7
30°	1216.9	1204.4	1197.8	1162.3	1132.0	1098.4	1074.1	1078.0	1076.7	1089.9	1118.2
32.5°	1351.1	1331.4	1298.5	1263.0	1227.4	1182.7	1162.3	1161.6	1158.3	1173.5	1189.2
35°	1423.5	1418.9	1398.5	1363.0	1324.2	1282.0	1268.9	1256.4	1258.4	1266.2	1272.2
37.5°	1501.9	1497.9	1482.1	1462.4	1432.8	1455.8	1382.7	1364.3	1355.8	1351.8	1353.8
40°	1536.1	1539.4	1547.9	1551.2	1534.1	1644.7	1500.5	1440.0	1437.4	1431.4	1425.5
42.5°	1543.3	1551.9	1569.0	1606.5	1623.0	1863.8	1597.9	1524.9	1514.4	1509.8	1510.4
45°	1569.6	1582.8	1586.1	1620.3	1698.0	1875.0	1707.9	1599.9	1592.0	1591.4	1587.4
47.5°	1633.5	1651.3	1651.3	1666.4	1740.1	1896.7	1745.4	1674.9	1669.7	1667.1	1677.6
50°	1642.7	1666.4	1713.8	1762.5	1815.8	1914.5	1788.1	1756.6	1758.5	1764.5	1795.4
52.5°	1486.7	1510.4	1635.5	1778.9	1952.7	1963.2	1852.6	1865.1	1878.3	1907.3	1963.9
55°	1274.8	1291.9	1440.0	1669.7	1957.9	2148.1	2014.5	2049.4	2077.1	2085.6	2174.5
57.5°	1003.7	1027.3	1178.1	1476.2	1828.3	2200.8	2387.0	2402.8	2371.9	2400.2	2432.5
60°	543.6	541.0	750.9	1067.5	1555.8	2103.4	2746.4	3017.5	3024.1	3067.6	3015.6
62.5°	304.1	304.1	364.6	548.2	1001.0	1779.6	2918.8	3549.3	3631.6	3700.7	3852.7
65°	229.7	231.7	253.4	330.4	562.0	1123.4	2792.5	3731.0	3888.9	4047.5	4314.1
67.5°	190.9	190.9	206.7	246.1	351.4	510.1	2056.0	3366.4	3563.8	3753.3	4121.9
69°	177.0	177.7	189.5	216.5	294.2	331.7	1420.3	2854.3	3080.1	3342.7	3777.0
70°	170.5	168.5	179.7	202.0	266.5	261.9	1040.5	2481.8	2656.9	2892.5	3392.0
72.5°	151.4	149.4	155.3	172.4	209.9	186.9	424.5	1335.4	1599.3	1863.2	2261.3
75°	134.9	132.9	137.5	145.4	163.2	142.8	213.2	559.4	677.2	875.3	1207.7
77.5°	119.1	115.2	119.1	124.4	128.3	106.6	144.8	258.6	317.2	389.6	550.2
80°	107.9	104.0	108.6	106.0	100.7	82.3	96.1	150.7	167.2	200.1	261.9
82.5°	77.0	76.3	103.3	106.6	80.3	59.9	68.4	96.7	107.9	113.9	138.2
85°	47.4	45.4	59.9	76.3	81.6	37.5	44.1	57.3	59.9	65.2	77.0
87.5°	24.4	25.0	32.2	39.5	53.3	22.4	26.3	33.6	33.6	33.6	38.2
90°	5.9	7.2	9.9	13.8	11.2	5.9	9.9	7.9	9.2	7.9	9.2
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°	630.5	630.5	630.5	630.5	630.5	630.5	630.5	630.5	630.5	630.5	630.5
2.5°	652.9	650.9	648.3	648.9	647.6	645.6	646.3	645.6	646.3	645.0	643.7
5°	672.0	670.6	666.7	666.0	664.7	663.4	661.4	659.4	658.8	657.5	654.8
7.5°	693.7	689.7	687.7	685.1	681.8	676.6	675.9	673.3	671.3	670.0	666.7
10°	716.0	711.4	708.8	705.5	702.2	698.9	695.6	691.0	686.4	685.1	681.2
12.5°	749.6	743.7	738.4	733.2	729.9	723.9	719.3	713.4	708.8	706.8	700.3
15°	786.5	778.6	773.3	769.4	764.1	758.8	752.9	747.6	740.4	734.5	728.6
17.5°	829.9	822.7	818.7	811.5	804.9	799.0	794.4	787.8	781.9	771.3	766.1
20°	887.2	881.2	876.6	868.7	861.5	855.6	851.6	837.8	829.9	820.7	812.1
22.5°	940.5	941.1	936.5	931.3	926.7	918.8	912.2	902.3	892.4	881.2	869.4
25°	998.4	1003.7	1004.3	1003.0	1000.4	991.1	987.9	978.0	970.1	951.7	946.4
27.5°	1062.9	1068.8	1076.0	1085.3	1087.2	1077.4	1082.0	1072.1	1058.3	1050.4	1033.3
30°	1125.4	1141.9	1157.0	1167.5	1174.1	1178.7	1175.4	1172.1	1162.9	1149.8	1134.6
32.5°	1205.7	1222.8	1237.9	1261.0	1272.8	1287.3	1284.7	1286.0	1282.7	1269.5	1251.8
35°	1286.7	1301.8	1321.5	1336.7	1365.6	1381.4	1394.6	1393.9	1393.9	1386.0	1368.9
37.5°	1358.4	1366.9	1383.4	1408.4	1427.5	1452.5	1473.6	1482.1	1495.9	1496.6	1478.2
40°	1433.4	1442.0	1454.5	1472.9	1494.0	1523.6	1551.9	1579.5	1592.7	1606.5	1599.3
42.5°	1514.4	1523.6	1532.8	1544.6	1574.9	1597.9	1636.1	1673.6	1700.6	1728.9	1725.6
45°	1594.7	1605.2	1618.3	1636.1	1663.1	1700.6	1737.5	1779.6	1841.5	1875.0	1898.1
47.5°	1685.5	1702.6	1726.9	1755.2	1777.0	1815.8	1862.5	1927.7	1990.2	2048.1	2084.3
50°	1822.4	1829.0	1868.4	1896.1	1937.5	1977.0	2023.8	2081.0	2162.0	2221.2	2279.1
52.5°	1983.6	2008.6	2048.1	2079.7	2112.6	2152.1	2200.1	2251.5	2331.8	2398.2	2473.3
55°	2191.6	2227.1	2261.3	2278.5	2324.5	2360.1	2398.9	2449.6	2535.8	2608.2	2696.4
57.5°	2439.7	2475.2	2491.7	2516.7	2536.4	2575.9	2628.6	2662.8	2739.1	2814.2	2907.6
60°	2949.1	2926.7	2946.5	2907.6	2901.7	2905.0	2916.2	2942.5	2985.3	3055.1	3153.8
62.5°	3868.5	3836.3	3750.7	3719.8	3659.9	3578.9	3502.6	3492.1	3469.7	3522.3	3584.2
65°	4405.5	4522.7	4535.2	4568.1	4544.4	4481.2	4391.7	4362.8	4290.4	4239.7	4236.4
67.5°	4276.5	4452.3	4562.2	4701.0	4778.0	4853.1	4872.8	4898.5	4851.8	4828.7	4835.3
69°	3917.9	4048.2	4294.3	4389.1	4510.8	4610.9	4742.5	4765.5	4811.0	4817.5	4905.1
70°	3562.5	3754.0	3894.8	4037.0	4205.5	4315.4	4374.6	4472.0	4584.6	4639.8	4734.6
72.5°	2561.5	2624.0	2724.0	2908.3	2955.0	3068.9	3185.4	3268.3	3400.6	3494.0	3717.1
75°	1382.1	1419.6	1576.9	1681.5	1709.2	1746.7	1832.2	1852.6	1902.0	1932.3	2146.8
77.5°	631.1	688.4	708.8	766.1	733.8	749.6	770.0	765.4	779.2	845.0	920.1
80°	290.9	302.1	310.0	333.7	335.0	329.7	331.7	328.4	325.8	336.3	344.2
82.5°	141.5	158.6	158.6	173.1	180.3	178.4	182.3	181.0	183.6	181.0	189.5
85°	82.9	82.9	89.5	97.4	96.1	98.7	98.7	104.0	104.6	106.0	106.0
87.5°	38.8	42.8	44.8	48.0	49.4	51.3	52.7	52.7	53.3	52.0	53.3
90°	9.9	9.9	16.5	16.5	17.8	19.7	17.1	18.4	23.0	17.1	21.7
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: P226246

CATALOG NUMBER: IST-AF-800-LED-E1-T2-7030

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: P226246

CATALOG NUMBER: IST-AF-800-LED-E1-T2-7030

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	630.5	630.5	630.5	630.5	630.5	630.5	630.5	630.5	630.5	630.5	630.5
2.5°	642.3	643.7	643.0	640.4	639.7	639.7	638.4	637.7	636.4	635.8	637.1
5°	654.2	654.2	652.2	649.6	646.9	646.3	645.6	642.3	641.0	639.7	638.4
7.5°	665.4	664.1	661.4	656.8	654.2	653.5	650.9	647.6	644.3	641.7	640.4
10°	677.2	675.9	670.6	667.3	662.1	661.4	656.8	652.9	649.6	646.3	643.7
12.5°	694.3	693.0	687.1	679.2	675.2	672.6	666.7	662.1	657.5	653.5	648.9
15°	720.7	715.4	711.4	703.5	697.6	692.4	685.1	678.5	672.0	665.4	661.4
17.5°	757.5	750.3	739.7	735.1	727.2	718.7	708.8	704.2	695.6	687.7	679.9
20°	805.6	798.3	781.9	775.9	764.8	752.2	744.3	734.5	727.2	714.7	706.2
22.5°	858.9	852.3	836.5	820.7	810.2	800.3	787.8	775.3	761.5	749.6	740.4
25°	928.0	918.1	904.3	888.5	872.7	858.9	841.8	824.0	812.1	795.7	782.5
27.5°	1022.1	1005.0	981.9	964.8	952.3	931.3	910.2	894.4	876.0	854.3	839.8
30°	1124.1	1105.0	1087.9	1068.1	1047.1	1026.7	997.7	974.7	955.0	931.9	908.2
32.5°	1237.3	1220.8	1196.5	1170.8	1147.8	1122.1	1101.1	1076.7	1042.5	1018.1	993.1
35°	1351.1	1332.1	1307.1	1285.3	1259.0	1232.7	1209.0	1176.7	1145.8	1110.9	1076.0
37.5°	1461.1	1444.6	1417.0	1384.1	1361.0	1332.7	1308.4	1274.1	1237.3	1198.5	1172.1
40°	1583.5	1557.1	1538.1	1499.9	1476.2	1444.6	1409.7	1383.4	1347.9	1305.7	1268.2
42.5°	1723.7	1705.2	1684.8	1653.9	1628.9	1591.4	1547.3	1513.7	1480.8	1430.8	1378.8
45°	1901.3	1889.5	1855.9	1830.9	1797.4	1757.9	1719.7	1678.9	1626.9	1569.0	1521.6
47.5°	2114.6	2105.4	2075.1	2039.6	1995.5	1942.2	1906.6	1850.7	1806.6	1734.2	1677.6
50°	2308.1	2312.7	2296.2	2241.6	2202.1	2148.8	2092.9	2044.2	1976.4	1901.3	1829.0
52.5°	2539.1	2534.5	2493.0	2462.7	2416.0	2351.5	2290.3	2227.8	2153.4	2075.8	1985.6
55°	2760.2	2774.0	2745.1	2702.3	2645.7	2555.5	2493.7	2412.7	2334.4	2248.8	2144.9
57.5°	2974.8	3018.9	2996.5	2945.8	2887.9	2822.7	2741.1	2650.3	2569.4	2457.5	2340.3
60°	3242.0	3300.5	3309.8	3276.8	3213.7	3138.0	3030.7	2959.6	2848.4	2745.1	2654.9
62.5°	3653.3	3786.2	3778.3	3794.1	3749.4	3702.7	3577.0	3500.6	3355.8	3281.5	3155.7
65°	4340.4	4438.4	4556.3	4552.3	4521.4	4409.5	4279.2	4151.5	4056.1	3909.3	3778.3
67.5°	4916.9	4997.9	5067.6	5031.4	4960.3	4834.6	4682.0	4504.3	4358.8	4196.9	4025.1
69°	4970.9	5069.6	5110.4	5065.6	4938.0	4774.1	4624.7	4459.5	4259.4	4120.6	3911.3
70°	4826.1	4923.5	5005.8	4890.6	4773.4	4613.5	4450.3	4278.5	4099.5	3950.1	3738.9
72.5°	3833.6	3943.5	3932.3	3919.8	3826.4	3666.5	3516.4	3424.3	3298.6	3118.2	2965.5
75°	2229.1	2279.8	2190.9	2284.4	2172.5	2011.3	2032.3	1928.3	1836.2	1732.2	1651.9
77.5°	875.3	920.1	873.3	858.2	808.2	797.0	713.4	723.3	681.8	600.2	562.7
80°	331.7	337.6	329.7	313.3	310.0	290.9	285.6	267.2	258.6	231.7	221.8
82.5°	178.4	181.6	176.4	171.1	167.2	156.0	148.7	134.9	127.0	118.5	117.8
85°	102.7	100.0	97.4	94.8	88.8	82.3	77.0	71.7	65.8	61.2	56.6
87.5°	54.0	54.6	55.3	52.7	48.7	43.4	40.1	38.2	33.6	31.6	29.6
90°	17.8	13.2	15.1	19.1	17.8	14.5	13.8	11.8	9.9	9.9	7.9
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: P226246
 CATALOG NUMBER: IST-AF-800-LED-E1-T2-7030

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: P226246
 NUMBER: IST-AF-800-LED-E1-T2-7030

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°	110°	87°
630.5	630.5	630.5	630.5	630.5	630.5	630.5	630.5	630.5	630.5	630.5	110°	0.0
635.1	635.1	633.1	631.8	627.2	619.3	611.4	604.2	594.3	590.3	585.1	112.5°	0.0
637.1	635.8	633.8	631.1	621.9	603.5	584.4	564.0	543.0	523.9	501.5	115°	0.0
638.4	635.8	633.1	629.8	616.7	588.4	550.2	510.1	472.5	444.2	432.4	117.5°	0.0
639.0	637.1	633.8	629.2	610.7	568.6	507.4	449.5	416.6	405.4	403.4	120°	0.0
646.3	643.0	637.7	632.5	608.1	546.9	459.4	404.1	390.9	396.2	405.4	122.5°	0.0
655.5	651.6	645.0	639.7	606.8	518.6	412.6	378.4	383.0	397.5	412.6	125°	0.0
672.0	665.4	658.1	652.9	609.4	483.7	375.1	365.3	379.1	397.5	417.9	127.5°	0.0
696.3	687.1	678.5	669.3	613.4	440.3	352.8	356.7	373.2	392.9	415.3	130°	0.0
726.6	716.0	704.2	690.4	618.0	402.8	340.3	347.5	362.6	379.7	398.2	132.5°	0.0
767.4	752.9	737.8	720.7	624.6	362.0	329.1	337.0	346.2	356.0	365.3	135°	0.0
818.7	799.0	782.5	759.5	631.1	334.3	319.9	322.5	324.5	325.8	325.1	137.5°	0.0
887.2	856.9	837.8	809.5	638.4	319.9	309.3	306.0	302.7	298.1	292.9	140°	0.0
959.6	934.5	904.3	868.1	643.0	310.0	299.5	288.9	279.7	275.1	275.1	142.5°	0.0
1043.8	1012.9	974.7	929.3	637.1	299.5	286.3	272.5	267.2	273.1	271.2	145°	0.0
1128.0	1085.3	1043.1	991.1	622.6	287.6	271.8	264.6	268.5	260.6	256.0	147.5°	0.0
1220.8	1173.5	1114.9	1054.3	601.5	275.1	264.6	268.5	254.7	245.5	249.4	150°	0.0
1324.8	1268.9	1205.7	1123.4	587.7	267.2	253.4	256.7	244.8	238.2	236.3	152.5°	0.0
1466.3	1386.7	1309.7	1212.9	598.2	254.7	231.7	244.8	238.2	232.3	227.1	155°	0.0
1605.2	1520.3	1429.5	1315.6	616.7	245.5	214.6	232.3	236.9	227.1	217.2	157.5°	0.0
1744.7	1654.5	1548.6	1421.6	639.0	239.6	201.4	217.2	233.6	221.8	213.9	160°	0.0
1891.5	1777.6	1669.0	1532.1	668.0	233.6	190.9	204.0	227.7	221.8	209.9	162.5°	0.0
2045.5	1911.2	1802.6	1654.5	718.7	225.1	177.7	193.5	221.8	221.1	206.0	165°	0.0
2224.5	2104.7	1965.2	1814.5	789.1	215.2	165.8	185.6	216.5	218.5	201.4	167.5°	0.0
2529.2	2405.5	2237.0	2093.5	928.6	202.0	158.6	177.7	208.0	213.2	197.4	170°	0.0
3023.5	2855.0	2700.3	2566.1	1167.5	183.6	153.3	169.1	198.8	206.7	194.1	172.5°	0.0
3590.1	3425.6	3238.7	3012.9	1300.5	166.5	146.1	158.6	189.5	200.1	190.9	175°	0.0
3831.0	3615.8	3388.7	3120.9	1173.5	152.7	138.2	148.7	179.0	190.9	186.3	177.5°	0.0
3720.4	3502.6	3238.7	2976.1	1020.8	145.4	133.6	143.5	171.1	184.9	181.6	180°	0.0
3528.3	3309.1	3073.5	2758.2	911.5	141.5	130.3	140.2	167.8	181.6	179.0		
2790.5	2595.0	2377.8	2137.6	621.3	128.3	119.8	130.3	154.7	169.8	169.1		
1478.8	1421.6	1261.0	1120.1	321.8	114.5	108.6	119.1	142.8	158.6	158.6		
532.4	483.1	462.0	383.7	171.1	100.0	97.4	105.3	129.7	144.8	144.1		
201.4	196.1	175.7	164.5	108.6	81.6	82.3	90.2	113.9	128.3	127.7		
113.9	103.3	100.0	96.7	69.1	64.5	67.8	75.7	97.4	109.9	111.9		
54.6	50.7	49.4	46.1	45.4	49.4	53.3	59.9	77.7	92.8	90.8		
26.3	25.0	24.4	23.7	32.2	31.6	38.8	41.5	52.0	73.7	66.5		
8.6	8.6	7.9	6.6	9.2	10.5	12.5	17.8	21.7	42.8	34.9		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'226246
 IST-AF-800-LED-E1-T2-7030

REPORT NUMBER: P226246
 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°	630.5	630.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	580.5	571.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	485.0	483.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	425.2	416.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	405.4	404.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	414.0	415.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	425.2	429.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	432.4	439.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	430.4	439.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	408.7	412.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	369.9	371.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	323.1	321.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	290.2	281.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	275.1	269.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	264.6	256.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	274.4	273.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	283.7	282.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	267.9	256.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	238.9	225.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	219.2	211.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	209.9	207.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	207.3	213.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	206.0	213.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	196.8	209.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	190.2	205.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	186.3	203.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	183.0	204.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	177.7	208.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69°	175.1	208.0
										70°	172.4	206.0
										72.5°	163.2	190.2
										75°	152.0	167.8
										77.5°	137.5	144.1
										80°	121.8	125.7
										82.5°	106.0	121.1
										85°	82.9	102.7
										87.5°	61.2	56.6
										90°	34.9	25.7
										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: P226246

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

0-LED-E1-T2-7030

tinued):

180°
630.5
573.2
479.8
417.3
406.7
414.6
430.4
442.3
440.9
415.9
372.5
327.1
288.3
275.8
260.0
277.1
285.0
258.6
225.1
209.9
206.0
215.9
212.6
209.9
206.0
202.7
202.0
203.4
200.7
197.4
177.7
159.9
144.1
127.0
107.3
80.3
61.2
21.7
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

