

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: P226249

Luminaire Tested: **IST-AF-800-LED-E1-T2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226249
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-T2-8030
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4179.2 lumens
Efficiency: N/A
Efficacy: 96.1 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

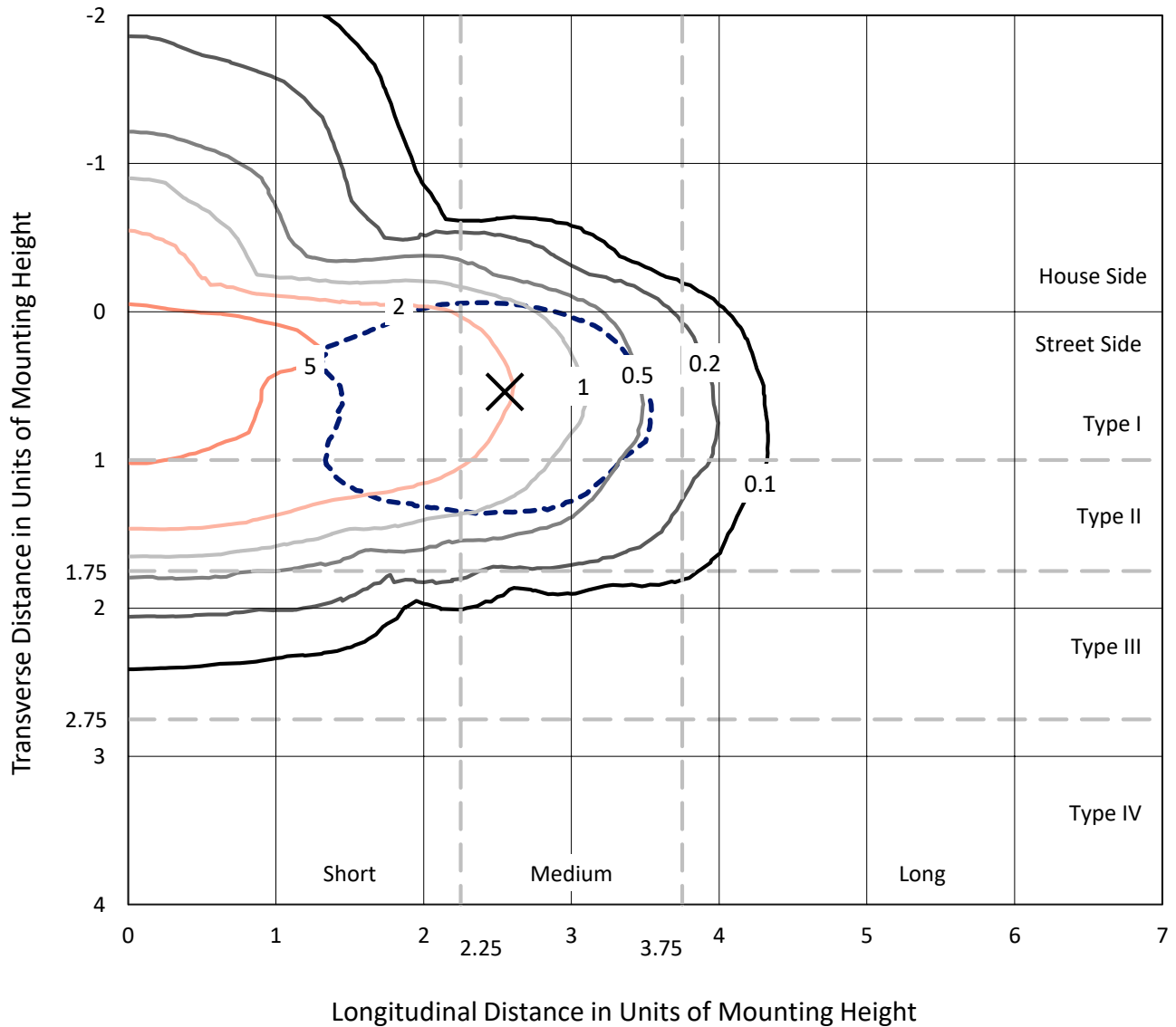
Input Watts (W): 43.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

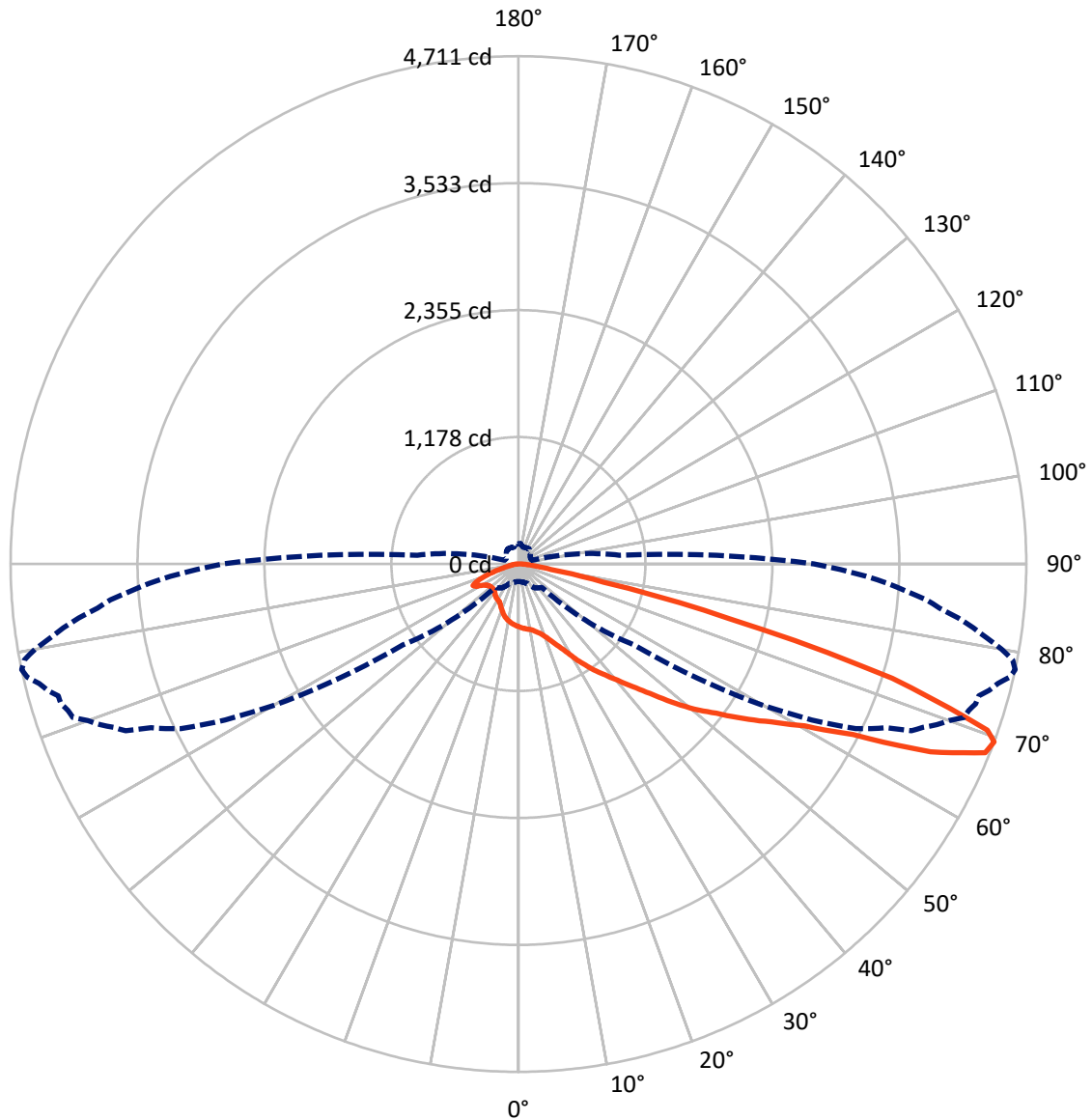
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.4 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	764.1	1.5	765.6
	% Fixture	18.3	0.0	18.3
Street Side	Lumens	3412.9	0.7	3413.6
	% Fixture	81.7	0.0	81.7
Total	Lumens	4177.0	2.1	4179.2
	% Fixture	99.9	0.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.0	1.3
10°-20°	163.0	3.9
20°-30°	292.1	7.0
30°-40°	476.9	11.4
40°-50°	705.4	16.9
50°-60°	921.0	22.0
60°-70°	1030.1	24.6
70°-80°	462.5	11.1
80°-90°	72.1	1.7
90°-100°	2.1	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°	4177.0	99.9
0°-180°	4179.2	100.0



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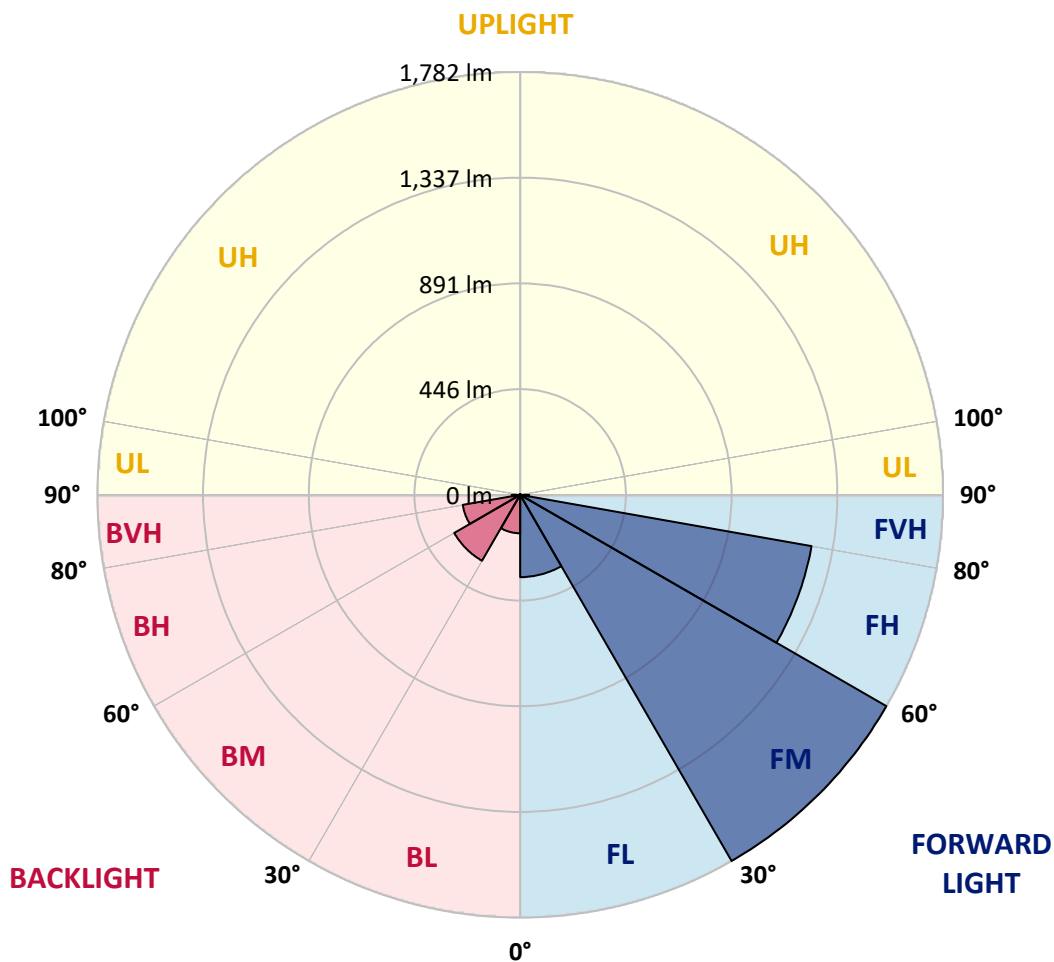
CATALOG NUMBER: IST-AF-800-LED-E1-T2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	346.9	8.3			
FM	(30°-60°)	1782.2	42.6			
FH	(60°-80°)	1247.0	29.8			G1/1800
FVH	(80°-90°)	36.8	0.9			G1/100
BL	(0°-30°)	162.2	3.9	B1/500		
BM	(30°-60°)	321.1	7.7	B1/1000		
BH	(60°-80°)	245.6	5.9	B1/500		G1/500
BVH	(80°-90°)	35.3	0.8			G1/100
UL	(90°-100°)	2.1	0.1		U1/10	
UH	(100°-180°)	1.5	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°	581.2	581.2	581.2	581.2	581.2	581.2	581.2	581.2	581.2	581.2	581.2
2.5°	622.5	622.5	620.6	619.4	617.6	612.8	605.5	604.3	603.7	602.4	601.2
5°	668.0	663.1	664.3	661.3	654.6	646.1	632.8	626.1	622.5	621.9	619.4
7.5°	705.0	705.6	703.8	697.7	688.6	678.3	660.1	649.8	646.7	644.9	640.7
10°	731.7	729.8	728.6	727.4	720.1	711.6	688.6	675.8	673.4	668.6	663.7
12.5°	751.1	751.1	751.1	749.9	745.6	738.9	720.7	708.0	705.0	698.3	694.0
15°	772.3	769.9	767.5	765.6	766.2	766.2	752.9	743.2	738.3	734.7	726.2
17.5°	817.8	812.3	806.9	799.6	788.1	785.0	784.4	783.8	777.2	776.6	768.1
20°	856.6	851.8	846.9	839.7	823.3	805.7	814.8	823.3	822.1	822.7	818.4
22.5°	904.6	900.9	891.2	882.7	861.5	840.3	841.5	859.7	862.1	864.5	865.7
25°	970.1	968.3	952.5	936.1	911.8	891.8	873.0	895.5	900.3	905.8	916.7
27.5°	1036.2	1032.0	1015.0	1000.4	970.1	948.9	922.8	934.9	942.2	952.5	969.5
30°	1121.8	1110.2	1104.2	1071.4	1043.5	1012.6	990.1	993.7	992.5	1004.7	1030.8
32.5°	1245.5	1227.3	1197.0	1164.2	1131.5	1090.2	1071.4	1070.8	1067.8	1081.7	1096.3
35°	1312.3	1308.0	1289.2	1256.4	1220.6	1181.8	1169.7	1158.2	1160.0	1167.3	1172.7
37.5°	1384.5	1380.8	1366.3	1348.1	1320.8	1342.0	1274.6	1257.7	1249.8	1246.1	1247.9
40°	1416.0	1419.0	1426.9	1430.0	1414.2	1516.1	1383.2	1327.4	1325.0	1319.5	1314.1
42.5°	1422.7	1430.6	1446.3	1480.9	1496.1	1718.1	1473.0	1405.7	1396.0	1391.7	1392.3
45°	1446.9	1459.1	1462.1	1493.7	1565.2	1728.4	1574.3	1474.8	1467.6	1467.0	1463.3
47.5°	1505.8	1522.2	1522.2	1536.1	1604.1	1748.5	1608.9	1544.0	1539.2	1536.7	1546.4
50°	1514.3	1536.1	1579.8	1624.7	1673.8	1764.8	1648.4	1619.2	1621.1	1626.5	1655.0
52.5°	1370.5	1392.3	1507.6	1639.9	1800.0	1809.7	1707.8	1719.3	1731.5	1758.2	1810.3
55°	1175.1	1190.9	1327.4	1539.2	1804.9	1980.2	1857.1	1889.2	1914.7	1922.6	2004.5
57.5°	925.2	947.0	1086.0	1360.8	1685.4	2028.8	2200.4	2215.0	2186.5	2212.6	2242.3
60°	501.1	498.7	692.2	984.0	1434.2	1939.0	2531.7	2781.6	2787.7	2827.8	2779.8
62.5°	280.3	280.3	336.1	505.4	922.8	1640.5	2690.6	3271.8	3347.7	3411.4	3551.5
65°	211.7	213.6	233.6	304.6	518.1	1035.6	2574.2	3439.3	3584.9	3731.1	3976.8
67.5°	175.9	175.9	190.5	226.9	324.0	470.2	1895.3	3103.2	3285.2	3459.9	3799.7
69°	163.2	163.8	174.7	199.6	271.2	305.8	1309.2	2631.2	2839.3	3081.3	3481.8
70°	157.1	155.3	165.6	186.3	245.7	241.5	959.2	2287.8	2449.2	2666.4	3126.8
72.5°	139.5	137.7	143.2	159.0	193.5	172.3	391.3	1231.0	1474.2	1717.5	2084.6
75°	124.4	122.6	126.8	134.1	150.5	131.7	196.6	515.7	624.3	806.9	1113.3
77.5°	109.8	106.2	109.8	114.7	118.3	98.3	133.5	238.4	292.4	359.2	507.2
80°	99.5	95.9	100.1	97.7	92.8	75.8	88.6	138.9	154.1	184.4	241.5
82.5°	71.0	70.4	95.2	98.3	74.0	55.2	63.1	89.2	99.5	105.0	127.4
85°	43.7	41.9	55.2	70.4	75.2	34.6	40.6	52.8	55.2	60.1	71.0
87.5°	22.4	23.1	29.7	36.4	49.1	20.6	24.3	30.9	30.9	30.9	35.2
90°	5.5	6.7	9.1	12.7	10.3	5.5	9.1	7.3	8.5	7.3	8.5
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



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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°	581.2	581.2	581.2	581.2	581.2	581.2	581.2	581.2	581.2	581.2	581.2
2.5°	601.8	600.0	597.6	598.2	597.0	595.2	595.8	595.2	595.8	594.6	593.3
5°	619.4	618.2	614.6	614.0	612.8	611.5	609.7	607.9	607.3	606.1	603.7
7.5°	639.4	635.8	634.0	631.6	628.5	623.7	623.1	620.6	618.8	617.6	614.6
10°	660.1	655.8	653.4	650.4	647.3	644.3	641.3	637.0	632.8	631.6	627.9
12.5°	691.0	685.6	680.7	675.8	672.8	667.4	663.1	657.6	653.4	651.6	645.5
15°	725.0	717.7	712.9	709.2	704.4	699.5	694.0	689.2	682.5	677.1	671.6
17.5°	765.0	758.4	754.7	748.0	742.0	736.5	732.3	726.2	720.7	711.0	706.2
20°	817.8	812.3	808.1	800.8	794.1	788.7	785.0	772.3	765.0	756.5	748.6
22.5°	867.0	867.6	863.3	858.5	854.2	846.9	840.9	831.8	822.7	812.3	801.4
25°	920.3	925.2	925.8	924.6	922.2	913.7	910.6	901.5	894.3	877.3	872.4
27.5°	979.8	985.3	991.9	1000.4	1002.2	993.1	997.4	988.3	975.5	968.3	952.5
30°	1037.4	1052.6	1066.6	1076.3	1082.3	1086.6	1083.5	1080.5	1072.0	1059.9	1045.9
32.5°	1111.4	1127.2	1141.2	1162.4	1173.3	1186.7	1184.2	1185.5	1182.4	1170.3	1153.9
35°	1186.1	1200.0	1218.2	1232.2	1258.9	1273.4	1285.6	1285.0	1285.0	1277.7	1261.9
37.5°	1252.2	1260.1	1275.2	1298.3	1315.9	1339.0	1358.4	1366.3	1379.0	1379.6	1362.6
40°	1321.4	1329.2	1340.8	1357.8	1377.2	1404.5	1430.6	1456.0	1468.2	1480.9	1474.2
42.5°	1396.0	1404.5	1413.0	1423.9	1451.8	1473.0	1508.2	1542.8	1567.7	1593.8	1590.7
45°	1470.0	1479.7	1491.8	1508.2	1533.1	1567.7	1601.6	1640.5	1697.5	1728.4	1749.7
47.5°	1553.7	1569.5	1591.9	1618.0	1638.0	1673.8	1716.9	1777.0	1834.6	1888.0	1921.4
50°	1679.9	1686.0	1722.4	1747.9	1786.1	1822.5	1865.6	1918.3	1993.0	2047.6	2100.9
52.5°	1828.5	1851.6	1888.0	1917.1	1947.5	1983.9	2028.1	2075.5	2149.5	2210.8	2279.9
55°	2020.3	2053.0	2084.6	2100.3	2142.8	2175.6	2211.4	2258.1	2337.6	2404.3	2485.6
57.5°	2249.0	2281.7	2296.9	2320.0	2338.2	2374.6	2423.1	2454.6	2525.0	2594.2	2680.3
60°	2718.6	2697.9	2716.1	2680.3	2674.9	2677.9	2688.2	2712.5	2751.9	2816.2	2907.2
62.5°	3566.1	3536.4	3457.5	3429.0	3373.8	3299.1	3228.8	3219.1	3198.4	3247.0	3304.0
65°	4061.1	4169.1	4180.7	4211.0	4189.2	4130.9	4048.4	4021.7	3955.0	3908.3	3905.2
67.5°	3942.2	4104.2	4205.5	4333.5	4404.5	4473.7	4491.9	4515.5	4472.5	4451.2	4457.3
69°	3611.6	3731.7	3958.6	4046.0	4158.2	4250.4	4371.8	4393.0	4434.9	4440.9	4521.6
70°	3284.0	3460.5	3590.4	3721.4	3876.7	3978.0	4032.6	4122.4	4226.2	4277.1	4364.5
72.5°	2361.2	2418.8	2511.1	2680.9	2724.0	2829.0	2936.3	3012.8	3134.7	3220.9	3426.6
75°	1274.0	1308.6	1453.6	1550.1	1575.6	1610.1	1689.0	1707.8	1753.3	1781.2	1979.0
77.5°	581.8	634.6	653.4	706.2	676.5	691.0	709.8	705.6	718.3	779.0	848.1
80°	268.2	278.5	285.7	307.6	308.8	303.9	305.8	302.7	300.3	310.0	317.3
82.5°	130.4	146.2	146.2	159.6	166.2	164.4	168.1	166.8	169.3	166.8	174.7
85°	76.4	76.4	82.5	89.8	88.6	91.0	91.0	95.9	96.5	97.7	97.7
87.5°	35.8	39.4	41.3	44.3	45.5	47.3	48.5	48.5	49.1	47.9	49.1
90°	9.1	9.1	15.2	15.2	16.4	18.2	15.8	17.0	21.2	15.8	20.0
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: P226249

CATALOG NUMBER: IST-AF-800-LED-E1-T2-8030

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: P226249

CATALOG NUMBER: IST-AF-800-LED-E1-T2-8030

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	581.2	581.2	581.2	581.2	581.2	581.2	581.2	581.2	581.2	581.2	581.2
2.5°	592.1	593.3	592.7	590.3	589.7	589.7	588.5	587.9	586.7	586.1	587.3
5°	603.0	603.0	601.2	598.8	596.4	595.8	595.2	592.1	590.9	589.7	588.5
7.5°	613.4	612.1	609.7	605.5	603.0	602.4	600.0	597.0	593.9	591.5	590.3
10°	624.3	623.1	618.2	615.2	610.3	609.7	605.5	601.8	598.8	595.8	593.3
12.5°	640.1	638.8	633.4	626.1	622.5	620.0	614.6	610.3	606.1	602.4	598.2
15°	664.3	659.5	655.8	648.5	643.1	638.2	631.6	625.5	619.4	613.4	609.7
17.5°	698.3	691.6	681.9	677.7	670.4	662.5	653.4	649.2	641.3	634.0	626.7
20°	742.6	735.9	720.7	715.3	705.0	693.4	686.2	677.1	670.4	658.9	651.0
22.5°	791.7	785.7	771.1	756.5	746.8	737.7	726.2	714.7	701.9	691.0	682.5
25°	855.4	846.3	833.6	819.0	804.5	791.7	775.9	759.6	748.6	733.5	721.3
27.5°	942.2	926.4	905.2	889.4	877.9	858.5	839.0	824.5	807.5	787.5	774.1
30°	1036.2	1018.6	1002.8	984.6	965.2	946.4	919.7	898.5	880.3	859.1	837.2
32.5°	1140.6	1125.4	1103.0	1079.3	1058.1	1034.4	1015.0	992.5	961.0	938.5	915.5
35°	1245.5	1227.9	1204.9	1184.9	1160.6	1136.3	1114.5	1084.8	1056.2	1024.1	991.9
37.5°	1346.8	1331.7	1306.2	1275.9	1254.6	1228.5	1206.1	1174.5	1140.6	1104.8	1080.5
40°	1459.7	1435.4	1417.8	1382.6	1360.8	1331.7	1299.5	1275.2	1242.5	1203.7	1169.1
42.5°	1588.9	1571.9	1553.1	1524.6	1501.5	1467.0	1426.3	1395.4	1365.0	1318.9	1271.0
45°	1752.7	1741.8	1710.8	1687.8	1656.9	1620.5	1585.3	1547.7	1499.7	1446.3	1402.7
47.5°	1949.3	1940.8	1912.9	1880.1	1839.5	1790.3	1757.6	1706.0	1665.3	1598.6	1546.4
50°	2127.6	2131.9	2116.7	2066.4	2030.0	1980.8	1929.3	1884.4	1821.9	1752.7	1686.0
52.5°	2340.6	2336.3	2298.1	2270.2	2227.1	2167.7	2111.3	2053.6	1985.1	1913.5	1830.4
55°	2544.4	2557.2	2530.5	2491.0	2438.9	2355.8	2298.7	2224.1	2151.9	2073.0	1977.2
57.5°	2742.2	2782.9	2762.2	2715.5	2662.1	2602.1	2526.8	2443.1	2368.5	2265.4	2157.4
60°	2988.5	3042.5	3051.0	3020.7	2962.4	2892.7	2793.8	2728.3	2625.7	2530.5	2447.4
62.5°	3367.7	3490.3	3483.0	3497.5	3456.3	3413.2	3297.3	3227.0	3093.5	3024.9	2909.0
65°	4001.1	4091.5	4200.1	4196.4	4167.9	4064.8	3944.7	3827.0	3739.0	3603.7	3483.0
67.5°	4532.5	4607.2	4671.5	4638.1	4572.6	4456.7	4315.9	4152.1	4018.1	3868.8	3710.5
69°	4582.3	4673.3	4710.9	4669.6	4551.9	4400.9	4263.2	4110.9	3926.5	3798.4	3605.5
70°	4448.8	4538.6	4614.4	4508.3	4400.3	4252.9	4102.4	3944.1	3779.0	3641.3	3446.6
72.5°	3533.9	3635.2	3624.9	3613.4	3527.3	3379.8	3241.5	3156.6	3040.7	2874.5	2733.7
75°	2054.8	2101.6	2019.7	2105.8	2002.7	1854.0	1873.4	1777.6	1692.6	1596.8	1522.8
77.5°	806.9	848.1	805.1	791.1	745.0	734.7	657.6	666.7	628.5	553.3	518.7
80°	305.8	311.2	303.9	288.8	285.7	268.2	263.3	246.3	238.4	213.6	204.5
82.5°	164.4	167.4	162.6	157.7	154.1	143.8	137.1	124.4	117.1	109.2	108.6
85°	94.6	92.2	89.8	87.4	81.9	75.8	71.0	66.1	60.7	56.4	52.2
87.5°	49.7	50.4	51.0	48.5	44.9	40.0	37.0	35.2	30.9	29.1	27.3
90°	16.4	12.1	14.0	17.6	16.4	13.3	12.7	10.9	9.1	9.1	7.3
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P226249
 CATALOG NUMBER: IST-AF-800-LED-E1-T2-8030

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: P226249
 NUMBER: IST-AF-800-LED-E1-T2-8030

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°	110°	87°
581.2	581.2	581.2	581.2	581.2	581.2	581.2	581.2	581.2	581.2	581.2	110°	0.0
585.4	585.4	583.6	582.4	578.2	570.9	563.6	556.9	547.8	544.2	539.3	112.5°	0.0
587.3	586.1	584.2	581.8	573.3	556.3	538.7	519.9	500.5	482.9	462.3	115°	0.0
588.5	586.1	583.6	580.6	568.5	542.4	507.2	470.2	435.6	409.5	398.6	117.5°	0.0
589.1	587.3	584.2	580.0	563.0	524.2	467.8	414.4	384.0	373.7	371.9	120°	0.0
595.8	592.7	587.9	583.0	560.6	504.2	423.5	372.5	360.4	365.2	373.7	122.5°	0.0
604.3	600.6	594.6	589.7	559.4	478.1	380.4	348.8	353.1	366.4	380.4	125°	0.0
619.4	613.4	606.7	601.8	561.8	445.9	345.8	336.7	349.4	366.4	385.2	127.5°	0.0
641.9	633.4	625.5	617.0	565.4	405.9	325.2	328.8	344.0	362.2	382.8	130°	0.0
669.8	660.1	649.2	636.4	569.7	371.3	313.7	320.3	334.3	350.1	367.0	132.5°	0.0
707.4	694.0	680.1	664.3	575.7	333.7	303.3	310.6	319.1	328.2	336.7	135°	0.0
754.7	736.5	721.3	700.1	581.8	308.2	294.8	297.3	299.1	300.3	299.7	137.5°	0.0
817.8	789.9	772.3	746.2	588.5	294.8	285.1	282.1	279.1	274.8	270.0	140°	0.0
884.5	861.5	833.6	800.2	592.7	285.7	276.0	266.3	257.8	253.6	253.6	142.5°	0.0
962.2	933.7	898.5	856.6	587.3	276.0	263.9	251.2	246.3	251.8	250.0	145°	0.0
1039.9	1000.4	961.6	913.7	573.9	265.1	250.6	243.9	247.5	240.2	236.0	147.5°	0.0
1125.4	1081.7	1027.7	971.9	554.5	253.6	243.9	247.5	234.8	226.3	229.9	150°	0.0
1221.3	1169.7	1111.4	1035.6	541.8	246.3	233.6	236.6	225.7	219.6	217.8	152.5°	0.0
1351.7	1278.3	1207.3	1118.1	551.5	234.8	213.6	225.7	219.6	214.2	209.3	155°	0.0
1479.7	1401.4	1317.7	1212.8	568.5	226.3	197.8	214.2	218.4	209.3	200.2	157.5°	0.0
1608.3	1525.2	1427.5	1310.4	589.1	220.8	185.6	200.2	215.4	204.5	197.2	160°	0.0
1743.6	1638.7	1538.6	1412.4	615.8	215.4	175.9	188.1	209.9	204.5	193.5	162.5°	0.0
1885.6	1761.8	1661.7	1525.2	662.5	207.5	163.8	178.4	204.5	203.8	189.9	165°	0.0
2050.6	1940.2	1811.6	1672.6	727.4	198.4	152.9	171.1	199.6	201.4	185.6	167.5°	0.0
2331.5	2217.4	2062.1	1929.9	856.0	186.3	146.2	163.8	191.7	196.6	182.0	170°	0.0
2787.1	2631.8	2489.2	2365.5	1076.3	169.3	141.4	155.9	183.2	190.5	179.0	172.5°	0.0
3309.5	3157.8	2985.5	2777.4	1198.8	153.5	134.7	146.2	174.7	184.4	175.9	175°	0.0
3531.5	3333.1	3123.8	2876.9	1081.7	140.8	127.4	137.1	165.0	175.9	171.7	177.5°	0.0
3429.6	3228.8	2985.5	2743.4	941.0	134.1	123.2	132.3	157.7	170.5	167.4	180°	0.0
3252.4	3050.4	2833.2	2542.6	840.3	130.4	120.1	129.2	154.7	167.4	165.0		
2572.3	2392.2	2191.9	1970.5	572.7	118.3	110.4	120.1	142.6	156.5	155.9		
1363.2	1310.4	1162.4	1032.6	296.7	105.6	100.1	109.8	131.7	146.2	146.2		
490.8	445.3	425.9	353.7	157.7	92.2	89.8	97.1	119.5	133.5	132.9		
185.6	180.8	162.0	151.7	100.1	75.2	75.8	83.1	105.0	118.3	117.7		
105.0	95.2	92.2	89.2	63.7	59.5	62.5	69.8	89.8	101.3	103.1		
50.4	46.7	45.5	42.5	41.9	45.5	49.1	55.2	71.6	85.5	83.7		
24.3	23.1	22.4	21.8	29.7	29.1	35.8	38.2	47.9	67.9	61.3		
7.9	7.9	7.3	6.1	8.5	9.7	11.5	16.4	20.0	39.4	32.2		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'226249
 IST-AF-800-LED-E1-T2-8030

REPORT NUMBER: P226249
 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°	581.2	581.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	535.1	526.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	447.1	445.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	391.9	384.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	373.7	373.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	381.6	383.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	391.9	395.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	398.6	405.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	396.8	404.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	376.8	380.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	341.0	342.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	297.9	296.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	267.5	259.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	253.6	248.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	243.9	236.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	253.0	252.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	261.5	260.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	246.9	236.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	220.2	207.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	202.0	194.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	193.5	191.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	191.1	197.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	189.9	196.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	181.4	192.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	175.3	189.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	171.7	187.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	168.7	188.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	163.8	192.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69°	161.4	191.7
										70°	159.0	189.9
										72.5°	150.5	175.3
										75°	140.1	154.7
										77.5°	126.8	132.9
										80°	112.2	115.9
										82.5°	97.7	111.6
										85°	76.4	94.6
										87.5°	56.4	52.2
										90°	32.2	23.7
										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: P226249

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

0-LED-E1-T2-8030

tinued):

180°
581.2
528.4
442.3
384.6
374.9
382.2
396.8
407.7
406.5
383.4
343.4
301.5
265.7
254.2
239.6
255.4
262.7
238.4
207.5
193.5
189.9
199.0
196.0
193.5
189.9
186.9
186.3
187.5
185.0
182.0
163.8
147.4
132.9
117.1
98.9
74.0
56.4
20.0
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

