

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: P226849

Luminaire Tested: **IST-AF-800-LED-E1-SL2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226849
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35945)
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-SL2-8030
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II W/SPILL CONTROL
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4037.8 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B1 - U1 - G1

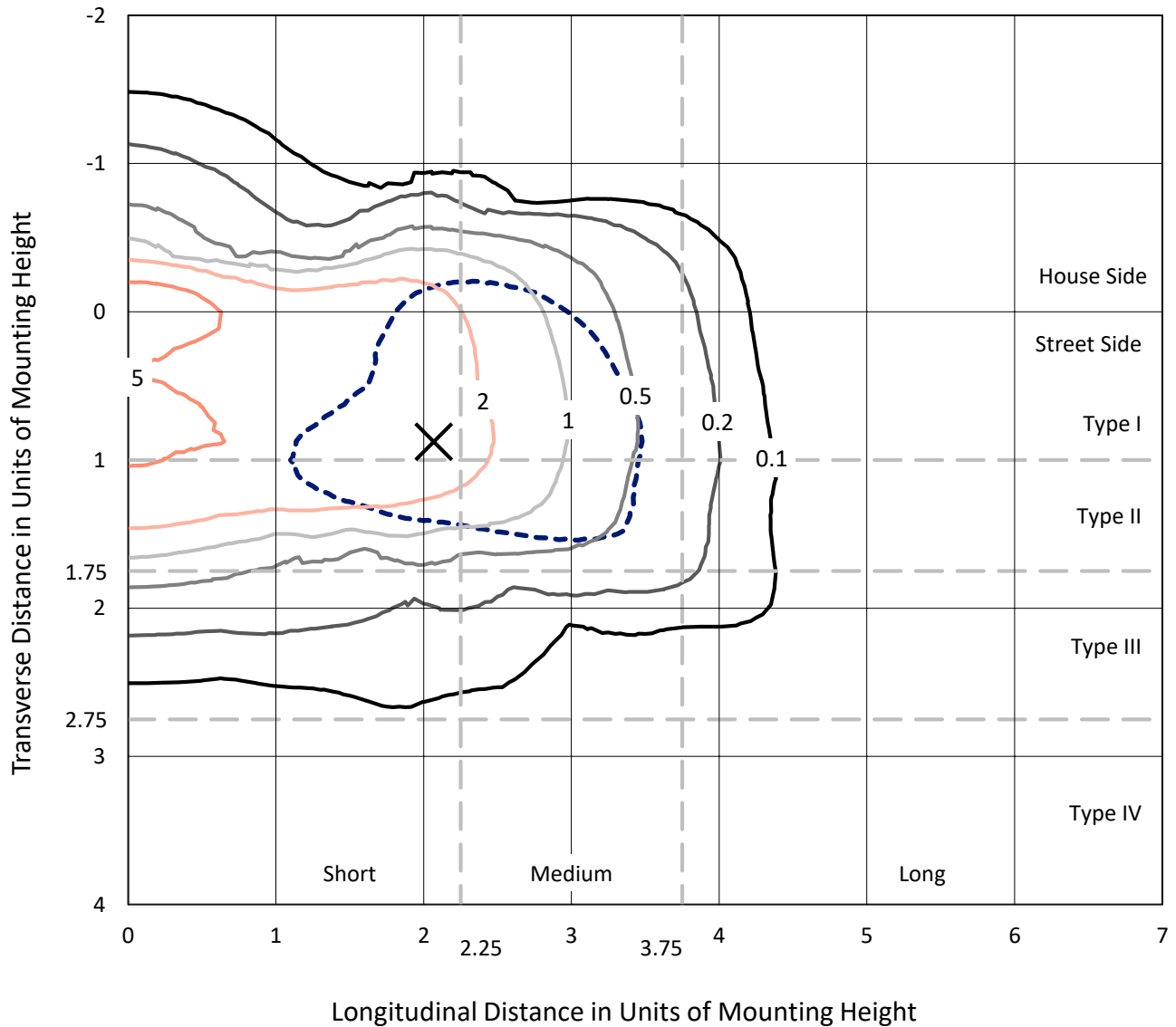
Input Watts (W): 43.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

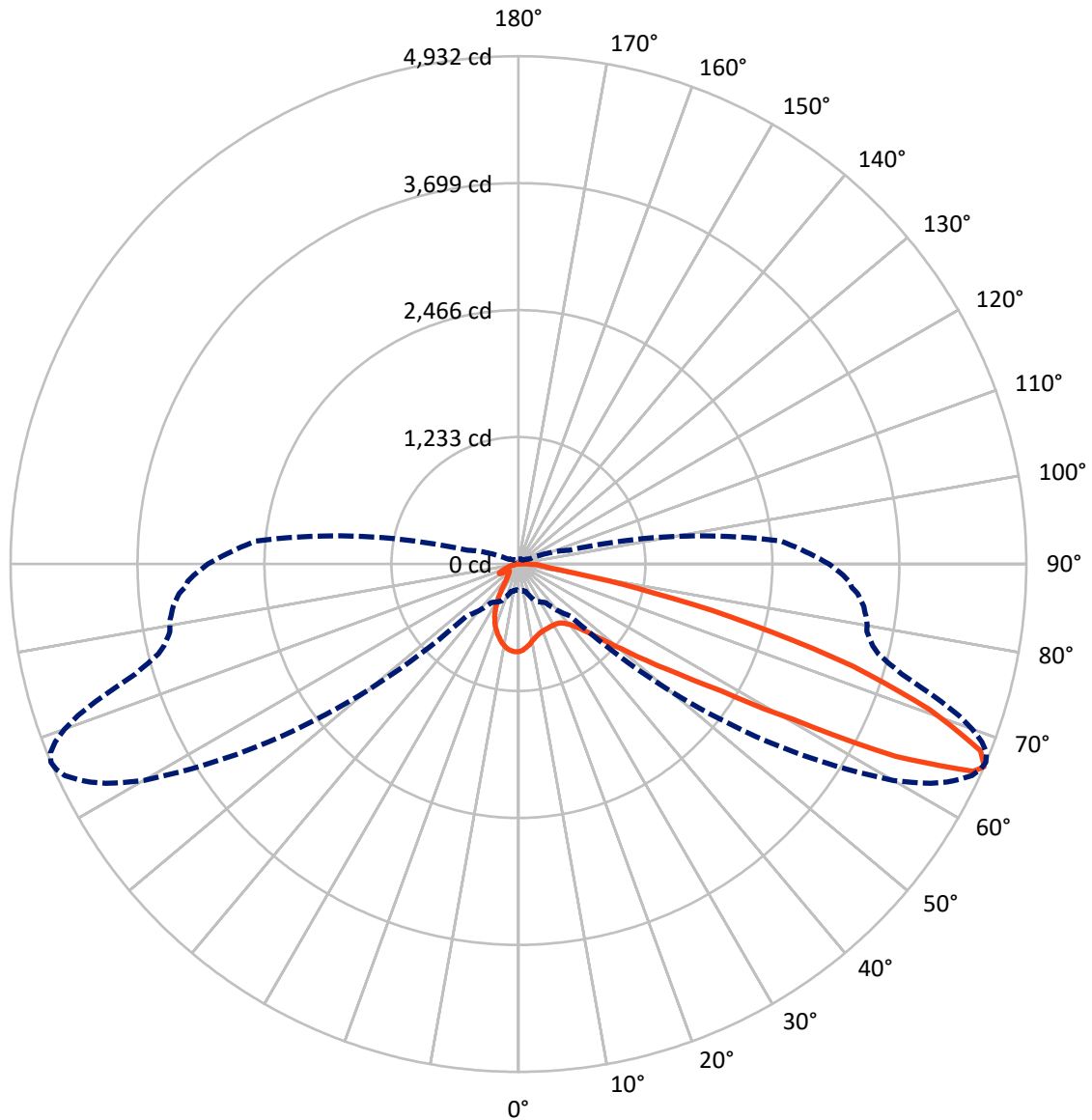
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.5 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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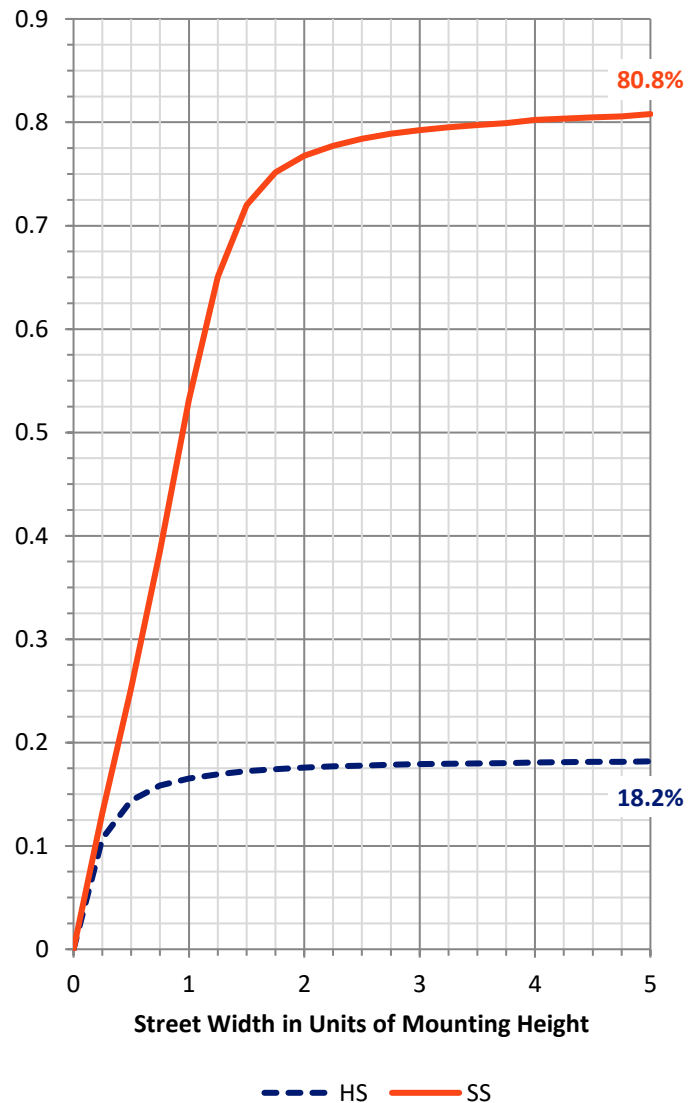
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	745.5	0.3	745.9
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	3290.8	1.2	3292.0
	% Fixture	81.5	0.0	81.5
Total	Lumens	4036.4	1.5	4037.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.7	1.8
10°-20°	175.4	4.3
20°-30°	240.5	6.0
30°-40°	343.7	8.5
40°-50°	557.2	13.8
50°-60°	882.9	21.9
60°-70°	1118.8	27.7
70°-80°	556.1	13.8
80°-90°	88.1	2.2
90°-100°	1.5	0.0
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°	4036.4	100.0
0°-180°	4037.8	100.0



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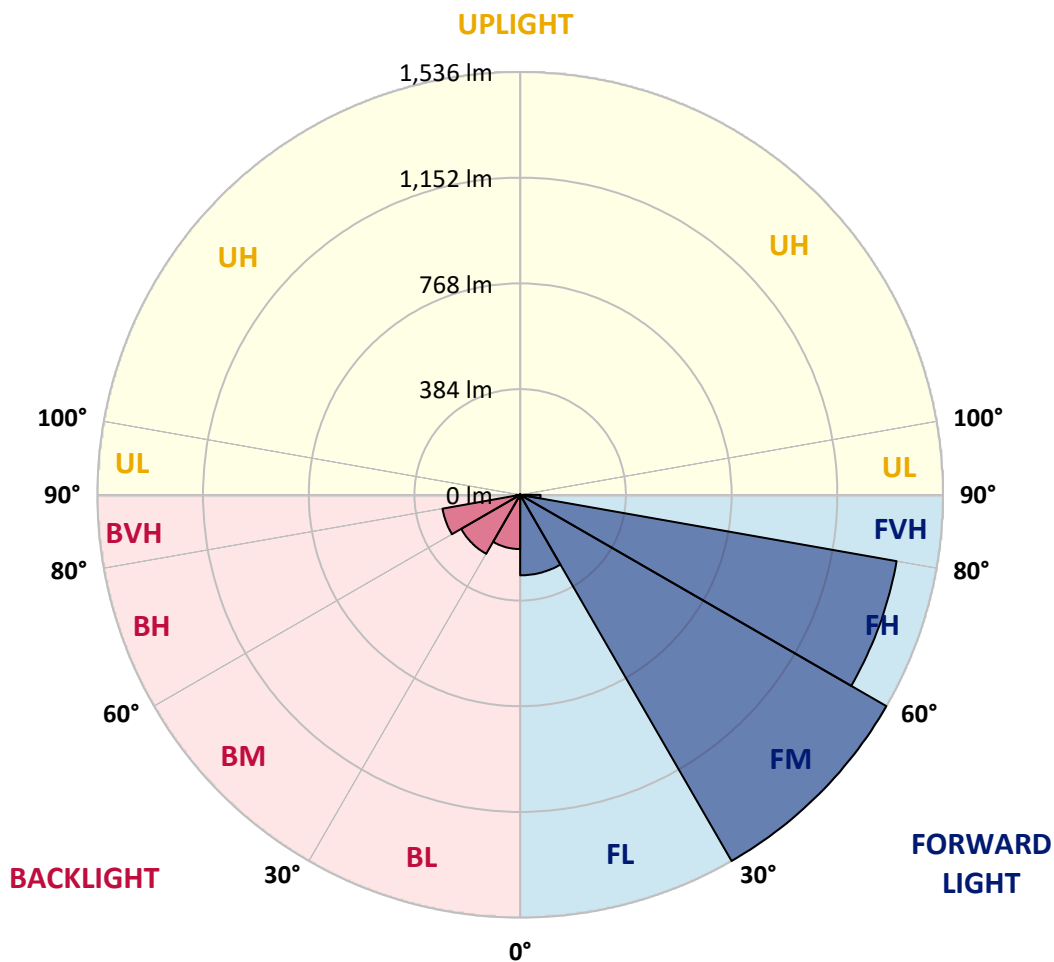
CATALOG NUMBER: IST-AF-800-LED-E1-SL2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	292.5	7.2			
FM	(30°-60°)	1536.0	38.0			
FH	(60°-80°)	1388.4	34.4			G1/1800
FVH	(80°-90°)	73.9	1.8			G1/100
BL	(0°-30°)	197.1	4.9	B1/500		
BM	(30°-60°)	247.7	6.1	B1/1000		
BH	(60°-80°)	286.5	7.1	B1/500		G1/500
BVH	(80°-90°)	14.2	0.4			G1/100
UL	(90°-100°)	1.5	0.0		U1/10	
UH	(100°-180°)	0.3	0.0		U1/10	

BUG Rating: B1-U1-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	63°
0°	849.9	849.9	849.9	849.9	849.9	849.9	849.9	849.9	849.9	849.9	849.9
2.5°	789.9	791.7	802.0	807.4	815.3	817.8	826.9	830.5	833.5	832.9	832.9
5°	718.9	724.3	729.2	740.1	751.6	765.6	783.2	796.5	799.0	802.0	803.8
7.5°	664.9	668.5	677.0	684.9	699.5	718.9	743.7	760.7	764.4	765.6	769.8
10°	626.7	629.1	636.4	646.7	663.7	682.5	708.6	726.2	731.6	734.0	737.7
12.5°	596.9	600.6	607.3	618.2	636.4	655.8	683.1	700.7	704.3	707.4	712.8
15°	578.1	580.6	586.6	598.8	615.1	634.6	661.2	682.5	684.9	687.9	692.8
17.5°	574.5	576.3	580.0	589.1	601.8	620.6	647.9	665.5	669.7	674.0	678.8
20°	589.1	590.3	591.5	592.7	600.0	612.1	638.8	657.6	661.2	664.9	671.0
22.5°	620.6	622.4	619.4	615.1	609.7	612.1	634.6	654.0	656.4	660.0	664.9
25°	675.2	673.4	664.3	657.6	638.2	622.4	635.8	652.1	655.2	658.8	664.3
27.5°	739.5	737.1	731.6	713.4	681.3	649.1	643.0	655.2	657.0	660.0	664.9
30°	808.7	809.3	804.4	784.4	743.1	689.2	659.4	662.5	663.7	666.1	669.1
32.5°	871.1	880.2	879.6	878.4	819.6	743.1	691.0	678.8	677.0	678.8	680.1
35°	943.3	945.2	962.1	970.6	922.7	822.0	737.1	710.4	703.1	703.7	702.5
37.5°	1021.0	1023.4	1052.5	1067.1	1030.1	911.8	798.3	757.1	750.4	743.7	738.9
40°	1133.8	1143.5	1158.7	1175.1	1156.9	1032.5	879.0	823.2	806.2	805.0	795.3
42.5°	1302.5	1299.4	1292.2	1305.5	1283.7	1167.8	976.7	916.6	903.9	886.9	873.6
45°	1468.1	1474.8	1443.2	1449.3	1450.5	1324.3	1118.1	1033.7	1027.1	1007.0	992.5
47.5°	1579.7	1572.4	1530.0	1560.9	1636.7	1506.9	1281.8	1193.3	1179.3	1169.0	1159.9
50°	1585.8	1579.7	1552.4	1607.0	1769.0	1831.5	1509.9	1406.8	1386.8	1368.6	1363.1
52.5°	1437.8	1429.3	1438.4	1549.4	1816.9	2103.2	1832.1	1671.9	1655.5	1640.4	1619.1
55°	1173.9	1183.6	1226.6	1386.2	1743.5	2296.2	2466.0	2081.4	2011.0	2010.4	1958.3
57.5°	876.6	866.9	899.1	1048.9	1557.9	2364.7	3048.4	2953.2	2796.0	2689.9	2561.9
60°	591.5	593.9	623.6	700.7	1084.1	2290.1	3438.5	3770.3	3715.1	3692.7	3658.1
62.5°	410.1	413.7	441.0	513.2	633.9	1842.4	3552.5	4228.3	4327.2	4409.1	4389.1
65°	286.9	287.6	314.9	426.5	475.0	946.4	3300.8	4289.0	4436.4	4577.2	4703.3
66°	253.0	253.6	276.0	396.7	455.6	714.0	3082.4	4204.7	4372.7	4536.5	4666.9
67.5°	216.6	220.2	237.8	337.3	436.8	550.8	2546.1	3952.9	4128.8	4309.0	4481.3
70°	148.6	149.8	165.6	273.6	408.9	483.5	1451.1	3086.0	3329.3	3646.0	3829.2
72.5°	106.2	105.0	106.8	169.3	419.8	480.5	762.6	2031.1	2371.4	2649.2	2847.6
75°	94.6	91.6	83.7	105.0	306.4	524.8	510.8	1195.7	1454.7	1707.7	1910.9
77.5°	84.3	79.5	75.2	80.7	151.7	494.4	458.6	684.9	817.2	1005.8	1162.3
80°	64.3	61.3	63.7	69.8	91.0	455.0	455.6	455.6	491.4	553.3	615.1
82.5°	42.5	38.8	44.3	57.6	68.6	342.8	470.8	402.2	395.5	393.1	397.4
85°	26.7	23.1	30.9	43.1	52.8	179.0	482.9	424.7	393.7	364.0	334.3
87.5°	9.7	10.9	15.8	24.9	34.6	77.7	423.4	374.3	353.1	316.1	281.5
90°	2.4	1.8	3.0	7.3	7.9	14.6	64.9	103.7	61.9	30.9	24.9
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



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	63°
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):

	64°	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°
0°	849.9	849.9	849.9	849.9	849.9	849.9	849.9	849.9	849.9	849.9	849.9
2.5°	833.5	836.6	837.8	836.6	837.2	840.8	839.6	841.4	841.4	842.6	842.6
5°	806.2	808.7	813.5	812.9	817.8	819.6	821.4	823.8	826.9	828.7	832.3
7.5°	774.1	778.9	783.2	785.6	788.6	794.7	796.5	802.0	806.8	811.7	815.3
10°	743.1	749.8	754.7	756.5	763.2	766.2	772.9	777.1	783.2	789.2	794.7
12.5°	717.1	723.1	725.6	731.6	737.7	743.7	746.8	754.7	760.7	768.6	775.9
15°	697.6	703.7	708.6	712.8	718.9	724.9	729.8	737.7	745.0	752.8	759.5
17.5°	685.5	689.2	695.2	698.9	706.1	713.4	718.9	728.0	735.9	742.5	751.6
20°	676.4	680.7	686.1	691.6	698.3	707.4	712.2	721.9	730.4	738.3	746.8
22.5°	671.6	675.8	681.3	686.7	694.0	701.3	709.2	717.7	726.8	735.3	743.7
25°	669.7	673.4	678.2	683.7	691.6	699.5	706.1	715.8	723.7	732.8	743.1
27.5°	670.3	672.8	678.2	683.1	691.0	698.3	704.9	714.6	723.7	732.2	742.5
30°	672.8	674.6	680.1	684.3	691.0	698.3	704.3	714.6	722.5	731.6	742.5
32.5°	681.3	683.7	686.1	689.2	695.2	700.7	708.0	717.1	724.3	733.4	742.5
35°	701.3	699.5	701.3	702.5	706.7	712.2	717.7	725.6	732.2	740.1	749.8
37.5°	732.8	729.2	730.4	729.8	729.8	733.4	738.9	744.4	749.8	757.7	767.4
40°	791.1	782.0	779.5	772.9	771.0	774.1	777.7	778.3	785.0	795.3	799.6
42.5°	866.3	854.2	856.0	845.1	842.0	838.4	843.2	840.2	844.5	851.1	860.2
45°	985.2	973.7	961.5	943.9	947.6	934.2	930.6	931.8	931.2	933.6	944.6
47.5°	1127.2	1112.0	1104.1	1097.4	1084.7	1076.8	1066.5	1051.3	1055.0	1059.8	1069.5
50°	1334.6	1329.8	1314.6	1292.8	1289.7	1278.2	1275.2	1261.8	1257.0	1256.4	1255.8
52.5°	1611.9	1580.3	1574.3	1553.6	1537.9	1526.9	1523.3	1504.5	1485.7	1496.6	1495.4
55°	1949.8	1923.7	1890.3	1872.1	1859.4	1833.3	1826.6	1803.0	1792.0	1786.0	1770.8
57.5°	2517.6	2426.0	2357.4	2323.5	2275.5	2227.0	2210.0	2161.5	2123.9	2097.2	2099.0
60°	3507.6	3344.4	3152.1	3066.0	2866.4	2837.3	2700.2	2666.8	2584.3	2529.7	2498.2
62.5°	4375.1	4330.9	4238.6	4113.1	3912.9	3682.4	3578.6	3372.4	3211.0	3140.6	3042.9
65°	4789.5	4852.0	4877.4	4853.8	4773.7	4633.0	4509.2	4307.8	4037.2	3884.4	3694.5
66°	4768.2	4861.1	4907.8	4932.0	4902.9	4819.8	4690.0	4524.4	4315.1	4082.1	3869.2
67.5°	4612.9	4703.3	4768.2	4842.3	4842.3	4816.2	4763.4	4653.0	4505.0	4301.7	4110.6
70°	3978.4	4100.9	4215.6	4238.0	4301.1	4281.7	4323.6	4253.2	4218.0	4133.1	4030.6
72.5°	3099.4	3201.9	3300.2	3398.4	3382.1	3360.8	3356.6	3371.1	3299.6	3325.0	3298.3
75°	2061.4	2237.9	2338.6	2328.9	2335.6	2341.1	2296.2	2196.1	2273.7	2175.4	2208.2
77.5°	1252.7	1334.6	1361.9	1331.6	1292.2	1241.2	1159.3	1111.4	1042.8	1048.3	1002.8
80°	657.0	667.3	645.5	584.2	550.8	520.5	427.1	385.2	346.4	331.8	299.1
82.5°	376.7	351.9	325.2	304.5	265.1	238.4	202.0	179.0	154.1	132.2	124.4
85°	305.1	271.8	246.9	223.9	197.2	173.5	143.2	119.5	101.3	88.0	84.9
87.5°	251.8	228.7	203.2	181.4	155.3	131.0	101.3	78.9	62.5	50.4	46.7
90°	22.4	30.3	21.8	12.1	18.2	9.7	5.5	6.1	4.9	4.9	5.5
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: P226849

CATALOG NUMBER: IST-AF-800-LED-E1-SL2-8030

CANDELA DISTRIBUTION (continued):

	64°	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°
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: P226849

CATALOG NUMBER: IST-AF-800-LED-E1-SL2-8030

CANDELA DISTRIBUTION (continued):

	75°	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°
0°	849.9	849.9	849.9	849.9	849.9	849.9	849.9	849.9	849.9	849.9	849.9
2.5°	844.5	844.5	845.7	846.9	847.5	847.5	847.5	848.7	849.3	847.5	849.3
5°	834.1	837.2	839.6	841.4	842.0	843.8	845.7	846.9	848.7	848.7	849.9
7.5°	820.2	825.6	828.7	831.7	834.7	837.8	841.4	843.8	845.1	847.5	849.3
10°	802.6	809.3	815.3	820.2	824.4	830.5	835.4	839.0	844.5	845.1	849.3
12.5°	783.8	793.5	798.3	807.4	813.5	822.6	827.5	832.9	839.0	842.0	846.9
15°	770.4	778.9	788.0	796.5	806.2	817.2	823.2	830.5	839.0	845.7	851.7
17.5°	760.1	771.7	782.0	792.9	805.0	816.5	825.6	833.5	844.5	848.1	854.2
20°	757.1	769.8	780.1	791.7	804.4	819.6	830.5	839.0	849.9	856.0	861.4
22.5°	755.9	768.0	780.1	794.1	808.1	823.8	835.4	846.3	857.2	862.7	866.9
25°	754.7	767.4	780.8	796.5	811.7	828.1	841.4	851.7	862.0	867.5	871.1
27.5°	754.7	768.0	782.6	798.3	814.7	832.9	845.7	855.4	864.5	869.3	870.5
30°	754.1	768.0	782.0	799.6	817.2	836.0	849.9	859.0	866.9	869.9	868.7
32.5°	755.3	769.8	785.0	802.6	820.8	839.0	853.6	863.9	868.1	867.5	866.9
35°	761.3	774.7	792.3	809.9	828.7	845.7	859.6	866.9	870.5	869.3	866.3
37.5°	777.7	791.1	808.7	828.1	842.6	862.0	874.8	880.2	880.9	877.2	869.9
40°	811.7	825.0	840.8	862.0	879.6	893.0	905.1	911.2	907.5	900.9	893.0
42.5°	865.7	882.7	901.5	918.5	939.1	957.3	960.3	964.0	957.9	945.2	935.5
45°	952.4	962.7	987.0	999.8	1026.4	1035.5	1042.2	1044.0	1030.7	1020.4	1003.4
47.5°	1077.4	1097.4	1114.4	1126.5	1146.0	1158.1	1171.4	1165.4	1155.1	1137.5	1115.0
50°	1274.0	1286.7	1308.5	1330.4	1351.0	1359.5	1359.5	1353.4	1346.8	1312.8	1285.5
52.5°	1515.4	1516.6	1548.2	1574.3	1591.8	1579.1	1594.3	1579.1	1574.9	1551.2	1528.8
55°	1795.1	1783.5	1821.8	1844.8	1860.6	1875.8	1872.7	1870.9	1855.1	1828.4	1801.1
57.5°	2060.8	2094.1	2112.3	2146.3	2154.2	2164.5	2160.3	2154.2	2145.1	2129.9	2117.8
60°	2444.2	2466.6	2483.0	2489.7	2512.1	2515.2	2530.3	2505.5	2511.5	2493.9	2455.7
62.5°	2965.9	2941.6	2954.4	2954.4	2947.7	2924.0	2936.8	2946.5	2930.1	2915.5	2909.5
65°	3550.1	3471.8	3396.6	3383.9	3349.3	3341.4	3331.7	3307.4	3297.1	3271.7	3251.0
66°	3724.8	3603.5	3532.5	3488.8	3447.0	3437.9	3424.5	3399.0	3378.4	3342.6	3308.0
67.5°	3920.8	3764.2	3657.5	3595.6	3544.0	3510.1	3483.4	3447.0	3414.2	3360.8	3305.6
70°	3908.0	3778.8	3650.2	3556.2	3478.5	3408.8	3367.5	3289.2	3222.5	3146.1	3083.0
72.5°	3283.8	3260.7	3186.1	3133.3	3038.1	3001.1	2891.9	2842.1	2749.9	2651.0	2620.7
75°	2282.8	2192.4	2154.2	2133.0	2091.1	1975.9	1900.6	1917.0	1809.0	1712.6	1657.4
77.5°	997.9	1016.1	910.6	863.3	826.9	764.4	706.1	666.1	643.0	627.9	559.3
80°	276.0	240.8	237.8	220.8	217.2	193.5	196.6	179.6	168.0	165.6	160.2
82.5°	120.7	118.3	114.7	112.8	111.0	108.6	105.6	105.0	101.3	98.3	98.9
85°	80.1	79.5	77.7	75.8	72.8	68.6	65.5	63.1	63.7	60.7	60.1
87.5°	46.7	45.5	44.9	42.5	41.9	38.2	38.8	35.8	35.2	34.6	32.8
90°	6.7	7.3	9.1	8.5	6.1	11.5	9.7	8.5	9.1	7.3	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: P226849
 CATALOG NUMBER: IST-AF-800-LED-E1-SL2-8030

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	75°	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	
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	66°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°
												70°
												72.5°
												75°
												77.5°
												80°
												82.5°
												85°
												87.5°
												90°
												92.5°
												95°
												97.5°
												100°
												102.5°
												105°
												107.5°

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REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):											CANDELA DISTRIBUTION	
86°	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	110°	86°
849.9	849.9	849.9	849.9	849.9	849.9	849.9	849.9	849.9	849.9	849.9	110°	0.0
851.1	852.3	852.9	852.3	853.6	852.9	853.6	852.9	849.9	849.3	848.7	112.5°	0.0
852.3	854.8	855.4	856.0	854.8	856.0	853.6	843.8	832.9	820.8	811.1	115°	0.0
853.6	856.6	858.4	858.4	859.0	857.8	848.7	827.5	802.0	776.5	757.1	117.5°	0.0
852.9	857.2	859.0	859.6	859.6	857.2	835.4	801.4	762.6	723.7	684.3	120°	0.0
851.1	854.8	857.8	857.8	858.4	849.9	815.9	767.4	712.2	654.0	601.2	122.5°	0.0
854.8	858.4	858.4	858.4	857.8	843.2	795.3	724.9	650.9	572.1	493.8	125°	0.0
860.2	862.0	860.8	860.8	858.4	836.6	772.3	683.1	586.0	481.7	372.5	127.5°	0.0
865.1	866.3	865.7	862.7	859.6	829.3	748.6	638.8	508.4	372.5	263.9	130°	0.0
869.9	871.1	868.1	863.3	859.0	819.6	720.1	582.4	420.4	254.8	174.7	132.5°	0.0
870.5	871.8	866.3	859.6	853.6	805.0	685.5	522.3	323.9	165.0	136.5	135°	0.0
869.9	868.7	859.6	851.1	844.5	787.4	647.3	447.7	216.0	124.4	118.9	137.5°	0.0
865.7	860.2	852.9	843.2	833.5	768.0	609.1	364.6	136.5	108.0	108.0	140°	0.0
859.6	854.2	845.1	832.3	821.4	749.2	565.4	279.7	109.2	99.5	100.7	142.5°	0.0
857.2	851.1	837.8	824.4	810.5	732.2	519.3	188.1	98.3	94.0	94.6	145°	0.0
862.0	851.7	838.4	823.2	806.8	717.7	471.4	131.0	92.8	88.0	89.2	147.5°	0.0
878.4	868.7	852.9	833.5	815.9	709.2	420.4	108.6	87.4	83.1	83.1	150°	0.0
917.9	905.1	883.9	860.8	839.6	714.6	374.9	98.9	83.1	78.9	78.9	152.5°	0.0
981.6	966.4	941.5	915.4	887.5	741.3	323.3	95.2	80.1	74.0	72.8	155°	0.0
1090.8	1070.7	1038.0	1007.0	973.7	787.4	271.2	92.8	76.4	71.0	68.6	157.5°	0.0
1262.4	1232.7	1193.9	1153.2	1112.6	871.8	229.9	90.4	74.0	68.6	66.1	160°	0.0
1483.3	1463.2	1414.7	1361.3	1312.8	1039.8	206.3	88.6	72.2	65.5	63.7	162.5°	0.0
1764.7	1732.0	1693.8	1645.8	1588.2	1257.6	203.8	88.0	70.4	63.1	61.9	165°	0.0
2062.0	2049.3	1984.3	1954.6	1892.1	1547.6	248.1	89.2	69.2	61.3	59.5	167.5°	0.0
2401.1	2406.0	2345.3	2312.5	2261.0	1915.2	394.9	92.8	69.2	59.5	57.6	170°	0.0
2844.6	2852.5	2780.9	2742.0	2698.4	2327.1	620.6	98.9	71.0	57.6	55.8	172.5°	0.0
3208.0	3165.5	3119.4	3051.4	2996.2	2557.0	597.5	109.8	73.4	55.8	54.0	175°	0.0
3245.6	3215.2	3157.0	3083.6	3016.3	2558.2	521.7	113.4	74.0	55.2	53.4	177.5°	0.0
3240.7	3186.7	3120.6	3058.7	2992.6	2492.7	403.4	118.3	75.8	54.0	52.2	180°	0.0
3016.3	2940.4	2876.1	2790.6	2721.4	2230.6	248.1	117.7	73.4	50.4	49.1		
2487.3	2448.4	2372.0	2303.4	2231.2	1805.4	169.9	105.0	64.9	45.5	46.1		
1608.8	1564.5	1486.9	1448.1	1407.4	1155.1	132.2	85.5	55.2	40.6	42.5		
536.9	519.3	490.8	506.6	482.9	450.1	97.1	64.9	44.3	35.2	37.6		
160.8	157.1	162.6	152.9	162.0	137.1	63.7	45.5	34.0	30.3	33.4		
95.2	94.0	94.0	94.0	91.6	85.5	41.9	31.5	26.1	25.5	27.9		
58.2	57.0	57.6	57.0	58.2	52.2	28.5	21.8	19.4	18.8	22.4		
33.4	33.4	34.0	32.8	33.4	32.2	20.0	14.0	12.7	12.1	16.4		
7.9	7.9	6.1	5.5	6.1	8.5	5.5	4.2	3.6	3.0	5.5		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'226849
 IST-AF-800-LED-E1-SL2-8030

REPORT NUMBER: P226849
 CATALOG NUMBER: IST-AF-80

TION (continued):

CANDELA DISTRIBUTION (con

87°	88°	89°	90°	95°	105°	115°	125°	135°	145°		155°	165°
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°	849.9	849.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	843.8	839.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	795.9	784.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	726.8	713.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	647.9	627.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	547.2	507.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	430.7	377.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	296.7	254.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	208.1	192.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	160.8	161.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	133.5	139.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	117.7	123.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	108.0	113.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	101.3	103.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	93.4	94.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	86.8	86.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	80.7	80.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	75.2	74.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	69.8	70.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	66.7	67.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	63.7	64.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	61.3	61.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	58.8	58.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	57.0	55.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	55.2	54.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	54.0	52.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	52.8	51.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66°	52.2	51.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	51.6	50.4
										70°	49.1	47.9
										72.5°	45.5	44.9
										75°	41.9	40.6
										77.5°	37.0	36.4
										80°	31.5	30.9
										82.5°	26.7	25.5
										85°	21.2	20.0
										87.5°	14.6	13.3
										90°	3.6	4.2
										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: P226849

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

0-LED-E1-SL2-8030

tinued):

175°	180°
849.9	849.9
836.0	841.4
780.8	778.9
702.5	703.1
607.9	609.1
485.3	478.0
347.6	350.6
242.1	241.4
194.1	195.3
166.2	166.2
148.0	148.0
130.4	131.0
118.3	119.5
107.4	108.0
96.5	97.1
87.4	87.4
81.3	81.9
77.0	77.0
72.8	72.8
69.2	70.4
65.5	66.1
61.9	62.5
58.2	58.2
55.2	55.2
52.8	52.2
51.0	49.7
49.1	48.5
48.5	47.9
47.9	47.3
46.7	46.1
44.9	44.3
41.3	40.0
37.6	36.4
34.6	32.8
29.1	27.9
21.2	20.0
12.7	12.7
3.0	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

CANDELA DISTRIBUTION (continued):

	155°	165°	175°
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

