

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: P226856

Luminaire Tested: **IST-AF-800-LED-E1-SL2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226856
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-SL2-7030
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II W/SPILL CONTROL
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4380.3 lumens
Efficiency: N/A
Efficacy: 100.7 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

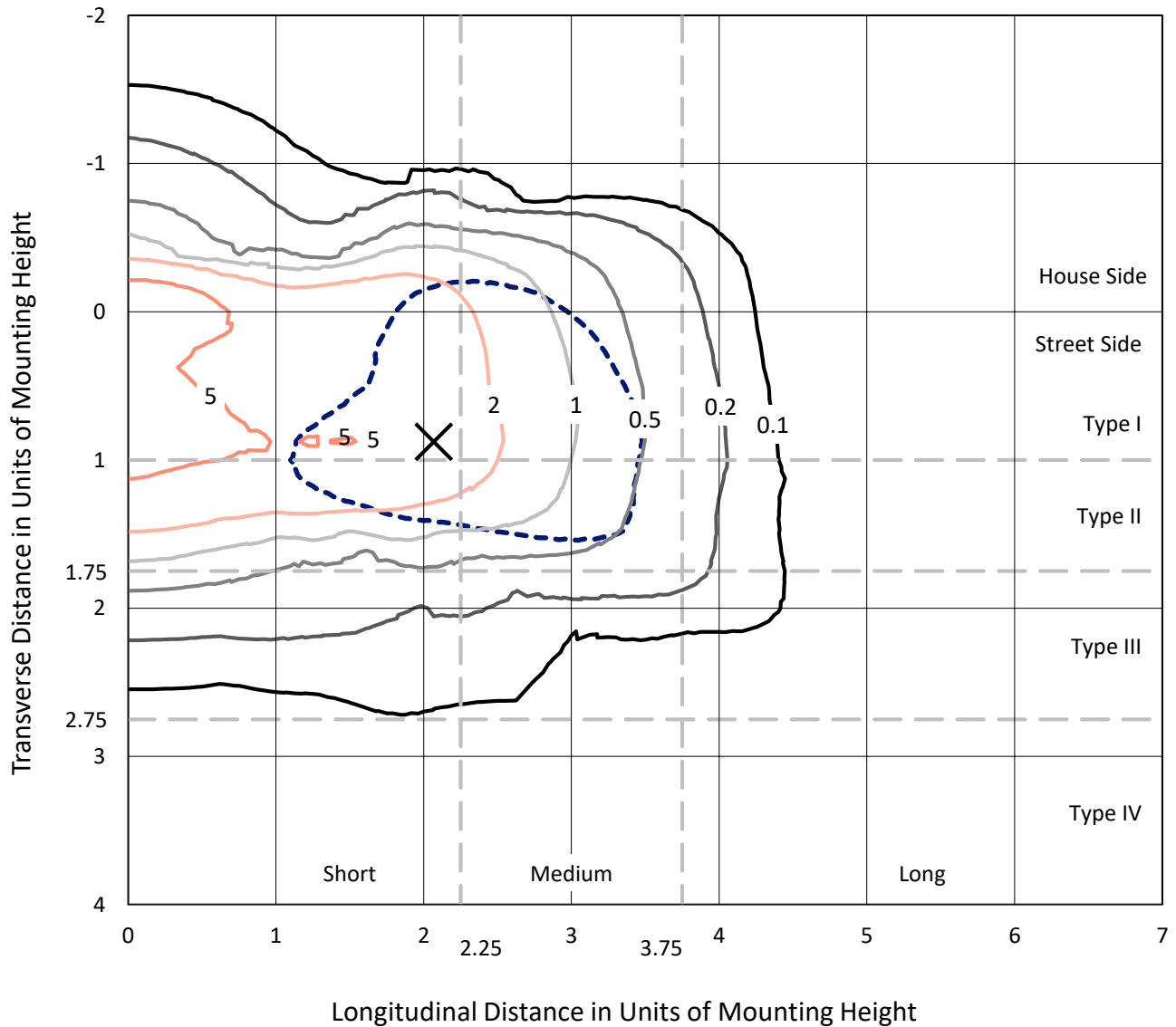
Input Watts (W): 43.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

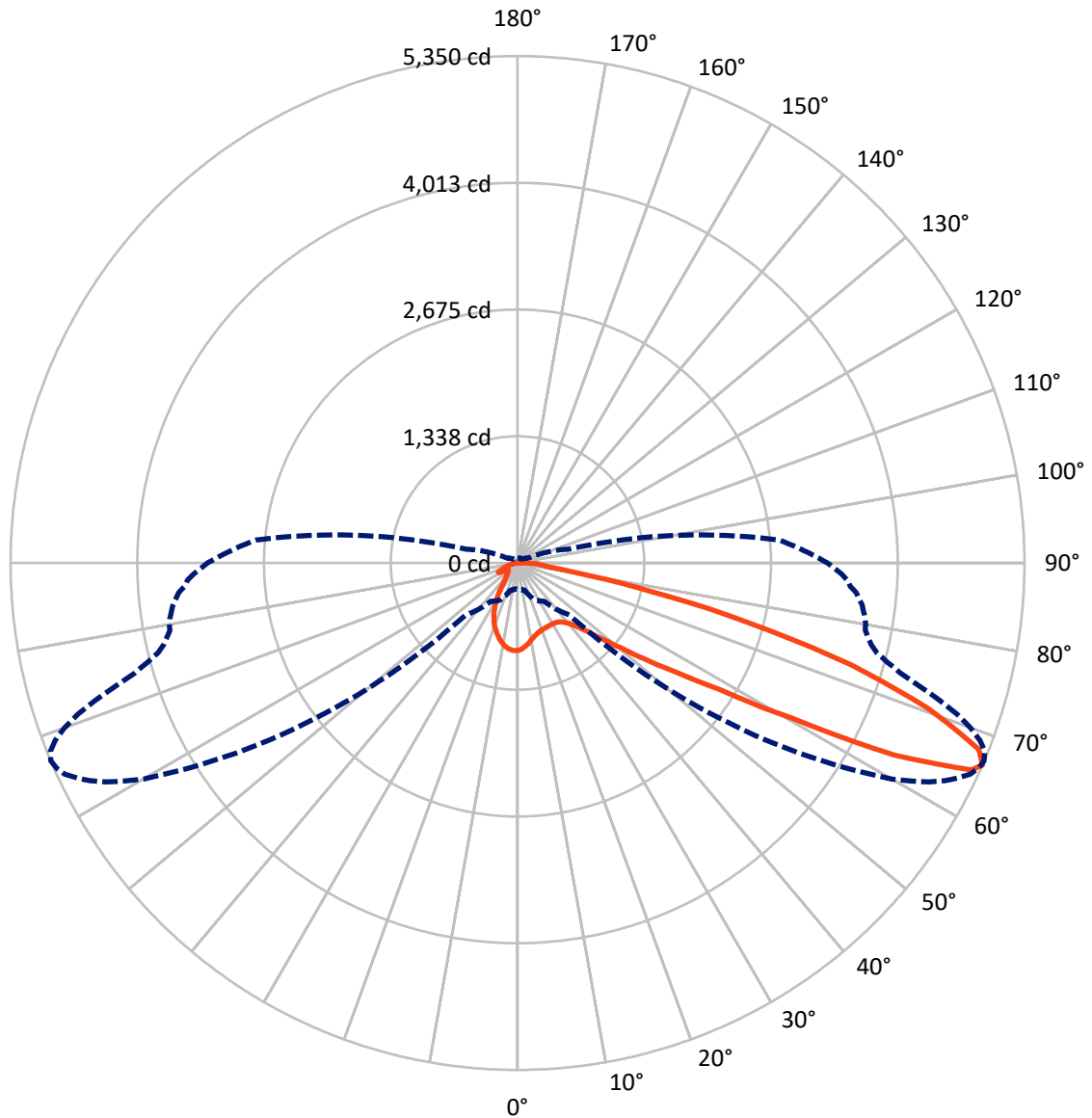
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 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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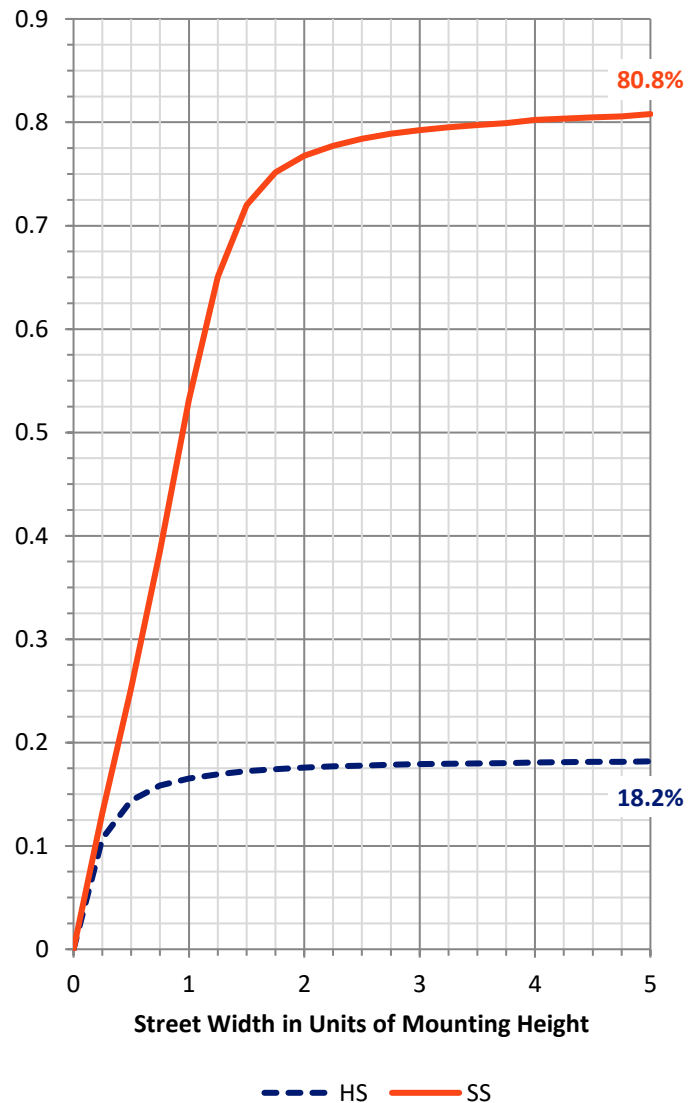
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	808.8	0.3	809.1
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	3569.9	1.3	3571.1
	% Fixture	81.5	0.0	81.5
Total	Lumens	4378.7	1.6	4380.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.9	1.8
10°-20°	190.3	4.3
20°-30°	260.9	6.0
30°-40°	372.8	8.5
40°-50°	604.5	13.8
50°-60°	957.7	21.9
60°-70°	1213.6	27.7
70°-80°	603.3	13.8
80°-90°	95.6	2.2
90°-100°	1.6	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°	4378.7	100.0
0°-180°	4380.3	100.0



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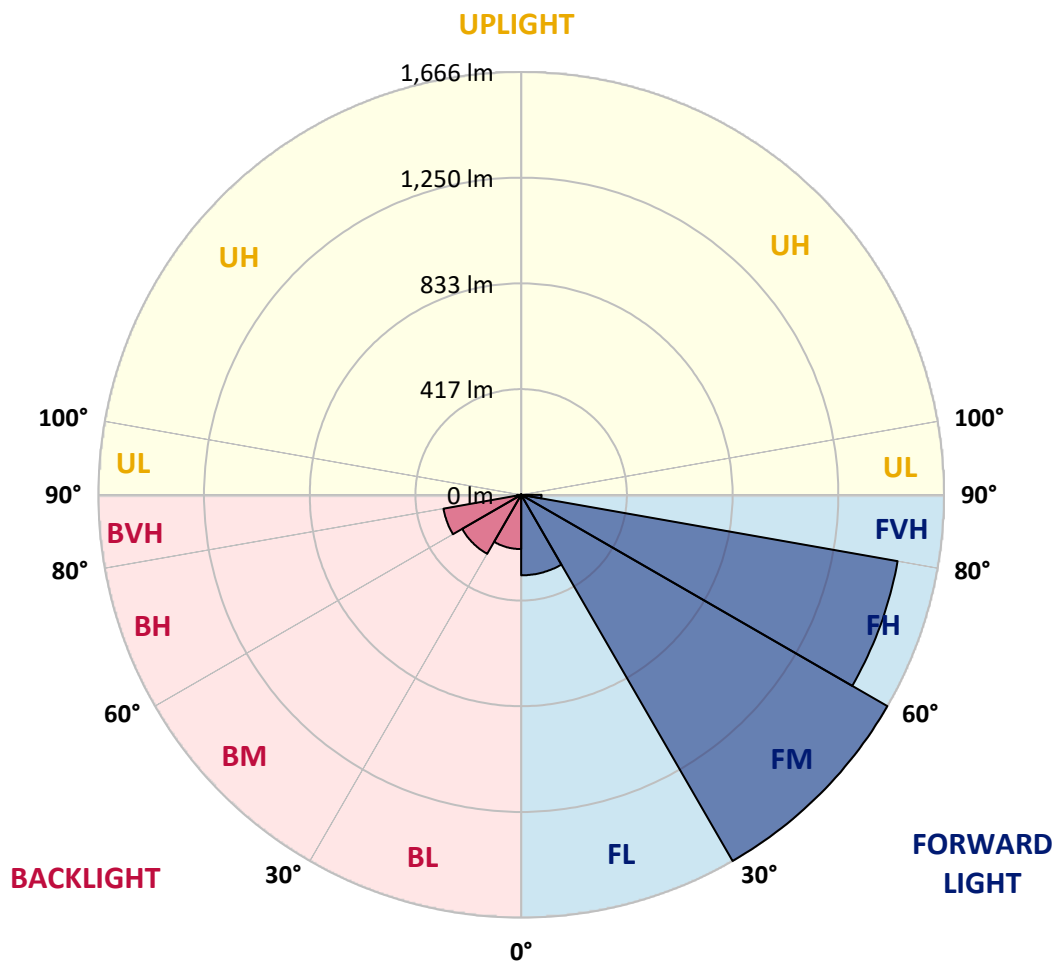
CATALOG NUMBER: IST-AF-800-LED-E1-SL2-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	317.3	7.2			
FM	(30°-60°)	1666.3	38.0			
FH	(60°-80°)	1506.1	34.4			G1/1800
FVH	(80°-90°)	80.1	1.8			G1/100
BL	(0°-30°)	213.9	4.9	B1/500		
BM	(30°-60°)	268.7	6.1	B1/1000		
BH	(60°-80°)	310.8	7.1	B1/500		G1/500
BVH	(80°-90°)	15.4	0.4			G1/100
UL	(90°-100°)	1.6	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°	922.0	922.0	922.0	922.0	922.0	922.0	922.0	922.0	922.0	922.0	922.0
2.5°	856.8	858.8	870.0	875.9	884.5	887.1	897.0	900.9	904.2	903.6	903.6
5°	779.8	785.8	791.0	802.9	815.4	830.5	849.6	864.1	866.7	870.0	872.0
7.5°	721.3	725.2	734.4	743.0	758.8	779.8	806.8	825.2	829.2	830.5	835.1
10°	679.8	682.4	690.3	701.5	720.0	740.4	768.7	787.7	793.7	796.3	800.2
12.5°	647.6	651.5	658.8	670.6	690.3	711.4	741.0	760.1	764.0	767.3	773.3
15°	627.2	629.8	636.4	649.5	667.3	688.4	717.3	740.4	743.0	746.3	751.5
17.5°	623.2	625.2	629.1	639.0	652.8	673.2	702.8	721.9	726.5	731.1	736.4
20°	639.0	640.3	641.6	643.0	650.9	664.0	693.0	713.4	717.3	721.3	727.9
22.5°	673.2	675.2	671.9	667.3	661.4	664.0	688.4	709.4	712.1	716.0	721.3
25°	732.5	730.5	720.6	713.4	692.3	675.2	689.7	707.5	710.7	714.7	720.6
27.5°	802.2	799.6	793.7	773.9	739.0	704.2	697.6	710.7	712.7	716.0	721.3
30°	877.2	877.9	872.6	850.9	806.2	747.6	715.3	718.6	720.0	722.6	725.9
32.5°	945.0	954.9	954.2	952.9	889.1	806.2	749.6	736.4	734.4	736.4	737.7
35°	1023.3	1025.3	1043.7	1052.9	1001.0	891.7	799.6	770.6	762.7	763.4	762.1
37.5°	1107.6	1110.2	1141.8	1157.6	1117.4	989.1	866.1	821.3	814.1	806.8	801.6
40°	1230.0	1240.5	1257.0	1274.7	1255.0	1120.1	953.6	893.0	874.6	873.3	862.8
42.5°	1412.9	1409.6	1401.7	1416.2	1392.5	1266.8	1059.5	994.4	980.6	962.1	947.7
45°	1592.6	1599.8	1565.6	1572.2	1573.5	1436.6	1212.9	1121.4	1114.2	1092.4	1076.6
47.5°	1713.7	1705.8	1659.7	1693.3	1775.5	1634.7	1390.6	1294.5	1279.3	1268.1	1258.3
50°	1720.3	1713.7	1684.1	1743.3	1919.0	1986.8	1638.0	1526.1	1504.4	1484.7	1478.7
52.5°	1559.7	1550.5	1560.3	1680.8	1971.0	2281.6	1987.4	1813.7	1795.9	1779.5	1756.5
55°	1273.4	1283.9	1330.7	1503.7	1891.4	2490.9	2675.2	2257.9	2181.6	2180.9	2124.3
57.5°	950.9	940.4	975.3	1137.8	1690.0	2565.2	3306.9	3203.6	3033.2	2918.0	2779.1
60°	641.6	644.3	676.5	760.1	1176.0	2484.3	3730.1	4090.1	4030.2	4005.8	3968.3
62.5°	444.9	448.8	478.4	556.7	687.7	1998.6	3853.8	4586.9	4694.2	4783.0	4761.3
65°	311.3	311.9	341.6	462.6	515.3	1026.6	3580.7	4652.7	4812.6	4965.3	5102.2
66°	274.4	275.1	299.4	430.4	494.2	774.6	3343.8	4561.2	4743.5	4921.2	5062.7
67.5°	234.9	238.9	258.0	365.9	473.8	597.5	2762.0	4288.1	4479.0	4674.4	4861.3
70°	161.2	162.5	179.7	296.8	443.6	524.5	1574.2	3347.7	3611.6	3955.1	4153.9
72.5°	115.2	113.9	115.8	183.6	455.4	521.2	827.2	2203.3	2572.5	2873.9	3089.1
75°	102.7	99.4	90.8	113.9	332.3	569.3	554.1	1297.1	1578.1	1852.5	2073.0
77.5°	91.5	86.2	81.6	87.5	164.5	536.3	497.5	743.0	886.5	1091.1	1260.9
80°	69.8	66.5	69.1	75.7	98.7	493.6	494.2	494.2	533.1	600.2	667.3
82.5°	46.1	42.1	48.0	62.5	74.4	371.8	510.7	436.3	429.1	426.4	431.1
85°	29.0	25.0	33.6	46.7	57.3	194.1	523.8	460.7	427.1	394.9	362.6
87.5°	10.5	11.8	17.1	27.0	37.5	84.2	459.3	406.0	383.0	342.9	305.4
90°	2.6	2.0	3.3	7.9	8.6	15.8	70.4	112.5	67.1	33.6	27.0
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



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CATALOG NUMBER: IST-AF-800-LED-E1-SL2-7030

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°	922.0	922.0	922.0	922.0	922.0	922.0	922.0	922.0	922.0	922.0	922.0
2.5°	904.2	907.5	908.8	907.5	908.2	912.1	910.8	912.8	912.8	914.1	914.1
5°	874.6	877.2	882.5	881.8	887.1	889.1	891.1	893.7	897.0	899.0	902.9
7.5°	839.7	845.0	849.6	852.2	855.5	862.1	864.1	870.0	875.3	880.5	884.5
10°	806.2	813.4	818.7	820.6	827.9	831.2	838.4	843.0	849.6	856.2	862.1
12.5°	777.9	784.4	787.1	793.7	800.2	806.8	810.1	818.7	825.2	833.8	841.7
15°	756.8	763.4	768.7	773.3	779.8	786.4	791.7	800.2	808.1	816.7	823.9
17.5°	743.6	747.6	754.2	758.1	766.0	773.9	779.8	789.7	798.3	805.5	815.4
20°	733.8	738.4	744.3	750.2	757.5	767.3	772.6	783.1	792.3	800.9	810.1
22.5°	728.5	733.1	739.0	745.0	752.9	760.8	769.3	778.5	788.4	797.6	806.8
25°	726.5	730.5	735.7	741.7	750.2	758.8	766.0	776.6	785.1	795.0	806.2
27.5°	727.2	729.8	735.7	741.0	749.6	757.5	764.7	775.2	785.1	794.3	805.5
30°	729.8	731.8	737.7	742.3	749.6	757.5	764.0	775.2	783.8	793.7	805.5
32.5°	739.0	741.7	744.3	747.6	754.2	760.1	768.0	777.9	785.8	795.6	805.5
35°	760.8	758.8	760.8	762.1	766.7	772.6	778.5	787.1	794.3	802.9	813.4
37.5°	795.0	791.0	792.3	791.7	791.7	795.6	801.6	807.5	813.4	822.0	832.5
40°	858.2	848.3	845.7	838.4	836.4	839.7	843.7	844.3	851.6	862.8	867.4
42.5°	939.8	926.6	928.6	916.7	913.4	909.5	914.8	911.5	916.1	923.3	933.2
45°	1068.7	1056.2	1043.1	1024.0	1027.9	1013.5	1009.5	1010.8	1010.2	1012.8	1024.7
47.5°	1222.7	1206.3	1197.7	1190.5	1176.7	1168.1	1156.9	1140.5	1144.4	1149.7	1160.2
50°	1447.8	1442.5	1426.1	1402.4	1399.1	1386.6	1383.3	1368.8	1363.6	1362.9	1362.3
52.5°	1748.6	1714.3	1707.8	1685.4	1668.3	1656.4	1652.5	1632.1	1611.7	1623.5	1622.2
55°	2115.1	2086.8	2050.6	2030.9	2017.1	1988.8	1981.5	1955.9	1944.0	1937.4	1921.0
57.5°	2731.1	2631.7	2557.4	2520.5	2468.5	2415.9	2397.4	2344.8	2304.0	2275.0	2277.0
60°	3805.1	3628.1	3419.5	3326.0	3109.5	3077.9	2929.2	2893.0	2803.5	2744.3	2710.0
62.5°	4746.2	4698.1	4598.1	4461.9	4244.7	3994.6	3882.1	3658.3	3483.3	3407.0	3301.0
65°	5195.6	5263.4	5291.1	5265.4	5178.5	5025.9	4891.6	4673.1	4379.6	4213.8	4007.8
66°	5172.6	5273.3	5324.0	5350.3	5318.7	5228.6	5087.7	4908.1	4681.0	4428.3	4197.3
67.5°	5004.1	5102.2	5172.6	5252.9	5252.9	5224.6	5167.4	5047.6	4887.0	4666.5	4459.2
70°	4315.8	4448.7	4573.1	4597.4	4665.9	4644.8	4690.2	4613.9	4575.7	4483.6	4372.4
72.5°	3362.2	3473.4	3580.0	3686.6	3668.9	3645.8	3641.2	3657.0	3579.4	3607.0	3578.1
75°	2236.2	2427.7	2537.0	2526.4	2533.7	2539.6	2490.9	2382.3	2466.5	2359.9	2395.5
77.5°	1359.0	1447.8	1477.4	1444.5	1401.7	1346.5	1257.6	1205.6	1131.3	1137.2	1087.8
80°	712.7	723.9	700.2	633.7	597.5	564.6	463.3	417.9	375.8	360.0	324.4
82.5°	408.7	381.7	352.7	330.4	287.6	258.6	219.1	194.1	167.2	143.5	134.9
85°	331.0	294.8	267.8	242.8	213.9	188.2	155.3	129.6	109.9	95.4	92.1
87.5°	273.1	248.1	220.5	196.8	168.5	142.1	109.9	85.6	67.8	54.6	50.7
90°	24.3	32.9	23.7	13.2	19.7	10.5	5.9	6.6	5.3	5.3	5.9
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: P226856

CATALOG NUMBER: IST-AF-800-LED-E1-SL2-7030

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: P226856
 CATALOG NUMBER: IST-AF-800-LED-E1-SL2-7030

CANDELA DISTRIBUTION (continued):

	75°	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°
0°	922.0	922.0	922.0	922.0	922.0	922.0	922.0	922.0	922.0	922.0	922.0
2.5°	916.1	916.1	917.4	918.7	919.4	919.4	919.4	920.7	921.3	919.4	921.3
5°	904.9	908.2	910.8	912.8	913.4	915.4	917.4	918.7	920.7	920.7	922.0
7.5°	889.7	895.7	899.0	902.2	905.5	908.8	912.8	915.4	916.7	919.4	921.3
10°	870.7	877.9	884.5	889.7	894.3	900.9	906.2	910.1	916.1	916.7	921.3
12.5°	850.3	860.8	866.1	875.9	882.5	892.4	897.6	903.6	910.1	913.4	918.7
15°	835.8	845.0	854.9	864.1	874.6	886.5	893.0	900.9	910.1	917.4	924.0
17.5°	824.6	837.1	848.3	860.1	873.3	885.8	895.7	904.2	916.1	920.0	926.6
20°	821.3	835.1	846.3	858.8	872.6	889.1	900.9	910.1	922.0	928.6	934.5
22.5°	820.0	833.1	846.3	861.4	876.6	893.7	906.2	918.0	929.9	935.8	940.4
25°	818.7	832.5	847.0	864.1	880.5	898.3	912.8	924.0	935.2	941.1	945.0
27.5°	818.7	833.1	848.9	866.1	883.8	903.6	917.4	927.9	937.8	943.0	944.4
30°	818.0	833.1	848.3	867.4	886.5	906.9	922.0	931.9	940.4	943.7	942.4
32.5°	819.3	835.1	851.6	870.7	890.4	910.1	925.9	937.1	941.7	941.1	940.4
35°	825.9	840.4	859.5	878.6	899.0	917.4	932.5	940.4	944.4	943.0	939.8
37.5°	843.7	858.2	877.2	898.3	914.1	935.2	949.0	954.9	955.6	951.6	943.7
40°	880.5	895.0	912.1	935.2	954.2	968.7	981.9	988.5	984.5	977.3	968.7
42.5°	939.1	957.5	977.9	996.4	1018.7	1038.5	1041.8	1045.7	1039.1	1025.3	1014.8
45°	1033.2	1044.4	1070.7	1084.5	1113.5	1123.4	1130.6	1132.6	1118.1	1106.9	1088.5
47.5°	1168.8	1190.5	1208.9	1222.1	1243.1	1256.3	1270.8	1264.2	1253.0	1233.9	1209.6
50°	1382.0	1395.8	1419.5	1443.2	1465.6	1474.8	1474.8	1468.2	1461.0	1424.1	1394.5
52.5°	1643.9	1645.2	1679.5	1707.8	1726.8	1713.0	1729.5	1713.0	1708.4	1682.7	1658.4
55°	1947.3	1934.8	1976.3	2001.3	2018.4	2034.8	2031.5	2029.6	2012.5	1983.5	1953.9
57.5°	2235.5	2271.7	2291.5	2328.3	2336.9	2348.1	2343.5	2336.9	2327.0	2310.6	2297.4
60°	2651.5	2675.8	2693.6	2700.8	2725.2	2728.5	2744.9	2717.9	2724.5	2705.4	2664.0
62.5°	3217.4	3191.1	3204.9	3204.9	3197.7	3172.0	3185.8	3196.4	3178.6	3162.8	3156.2
65°	3851.2	3766.3	3684.7	3670.8	3633.3	3624.8	3614.3	3587.9	3576.7	3549.1	3526.7
66°	4040.7	3909.1	3832.1	3784.7	3739.3	3729.4	3714.9	3687.3	3664.9	3626.1	3588.6
67.5°	4253.3	4083.5	3967.6	3900.5	3844.6	3807.7	3778.8	3739.3	3703.8	3645.8	3586.0
70°	4239.4	4099.3	3959.7	3857.7	3773.5	3697.8	3653.1	3568.2	3495.8	3412.9	3344.4
72.5°	3562.3	3537.3	3456.3	3399.1	3295.7	3255.6	3137.1	3083.2	2983.1	2875.9	2843.0
75°	2476.4	2378.4	2336.9	2313.9	2268.4	2143.4	2061.8	2079.6	1962.4	1857.8	1797.9
77.5°	1082.6	1102.3	987.8	936.5	897.0	829.2	766.0	722.6	697.6	681.1	606.8
80°	299.4	261.3	258.0	239.5	235.6	209.9	213.2	194.8	182.3	179.7	173.7
82.5°	131.0	128.3	124.4	122.4	120.4	117.8	114.5	113.9	109.9	106.6	107.3
85°	86.9	86.2	84.2	82.3	79.0	74.4	71.1	68.4	69.1	65.8	65.2
87.5°	50.7	49.4	48.7	46.1	45.4	41.5	42.1	38.8	38.2	37.5	35.5
90°	7.2	7.9	9.9	9.2	6.6	12.5	10.5	9.2	9.9	7.9	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: P226856
 CATALOG NUMBER: IST-AF-800-LED-E1-SL2-7030

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°

NUMBER: P226856
 NUMBER: IST-AF-800-LED-E1-SL2-7030

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

86°	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	110°	86°
922.0	922.0	922.0	922.0	922.0	922.0	922.0	922.0	922.0	922.0	922.0	110°	0.0
923.3	924.6	925.3	924.6	925.9	925.3	925.9	925.3	922.0	921.3	920.7	112.5°	0.0
924.6	927.3	927.9	928.6	927.3	928.6	925.9	915.4	903.6	890.4	879.9	115°	0.0
925.9	929.2	931.2	931.2	931.9	930.5	920.7	897.6	870.0	842.4	821.3	117.5°	0.0
925.3	929.9	931.9	932.5	932.5	929.9	906.2	869.3	827.2	785.1	742.3	120°	0.0
923.3	927.3	930.5	930.5	931.2	922.0	885.1	832.5	772.6	709.4	652.2	122.5°	0.0
927.3	931.2	931.2	931.2	930.5	914.8	862.8	786.4	706.1	620.6	535.7	125°	0.0
933.2	935.2	933.8	933.8	931.2	907.5	837.8	741.0	635.7	522.5	404.1	127.5°	0.0
938.4	939.8	939.1	935.8	932.5	899.6	812.1	693.0	551.5	404.1	286.3	130°	0.0
943.7	945.0	941.7	936.5	931.9	889.1	781.2	631.8	456.1	276.4	189.5	132.5°	0.0
944.4	945.7	939.8	932.5	925.9	873.3	743.6	566.6	351.4	179.0	148.1	135°	0.0
943.7	942.4	932.5	923.3	916.1	854.2	702.2	485.7	234.3	134.9	129.0	137.5°	0.0
939.1	933.2	925.3	914.8	904.2	833.1	660.7	395.5	148.1	117.1	117.1	140°	0.0
932.5	926.6	916.7	902.9	891.1	812.7	613.3	303.4	118.5	107.9	109.2	142.5°	0.0
929.9	923.3	908.8	894.3	879.2	794.3	563.3	204.0	106.6	102.0	102.7	145°	0.0
935.2	924.0	909.5	893.0	875.3	778.5	511.3	142.1	100.7	95.4	96.7	147.5°	0.0
952.9	942.4	925.3	904.2	885.1	769.3	456.1	117.8	94.8	90.2	90.2	150°	0.0
995.7	981.9	958.8	933.8	910.8	775.2	406.7	107.3	90.2	85.6	85.6	152.5°	0.0
1064.8	1048.3	1021.4	993.1	962.8	804.2	350.8	103.3	86.9	80.3	79.0	155°	0.0
1183.3	1161.5	1126.0	1092.4	1056.2	854.2	294.2	100.7	82.9	77.0	74.4	157.5°	0.0
1369.5	1337.2	1295.1	1251.0	1206.9	945.7	249.4	98.1	80.3	74.4	71.7	160°	0.0
1609.0	1587.3	1534.7	1476.8	1424.1	1128.0	223.8	96.1	78.3	71.1	69.1	162.5°	0.0
1914.4	1878.9	1837.4	1785.4	1722.9	1364.2	221.1	95.4	76.3	68.4	67.1	165°	0.0
2236.9	2223.0	2152.6	2120.4	2052.6	1678.8	269.2	96.7	75.0	66.5	64.5	167.5°	0.0
2604.7	2610.0	2544.2	2508.7	2452.7	2077.6	428.4	100.7	75.0	64.5	62.5	170°	0.0
3085.8	3094.4	3016.7	2974.6	2927.2	2524.4	673.2	107.3	77.0	62.5	60.5	172.5°	0.0
3480.0	3433.9	3383.9	3310.2	3250.3	2773.9	648.2	119.1	79.6	60.5	58.6	175°	0.0
3520.8	3487.9	3424.7	3345.1	3272.0	2775.2	566.0	123.1	80.3	59.9	57.9	177.5°	0.0
3515.5	3457.0	3385.2	3318.1	3246.4	2704.1	437.6	128.3	82.3	58.6	56.6	180°	0.0
3272.0	3189.8	3120.0	3027.2	2952.2	2419.8	269.2	127.7	79.6	54.6	53.3		
2698.2	2656.1	2573.1	2498.8	2420.5	1958.5	184.3	113.9	70.4	49.4	50.0		
1745.3	1697.2	1613.0	1570.9	1526.8	1253.0	143.5	92.8	59.9	44.1	46.1		
582.4	563.3	532.4	549.5	523.8	488.3	105.3	70.4	48.0	38.2	40.8		
174.4	170.4	176.4	165.8	175.7	148.7	69.1	49.4	36.9	32.9	36.2		
103.3	102.0	102.0	102.0	99.4	92.8	45.4	34.2	28.3	27.6	30.3		
63.2	61.9	62.5	61.9	63.2	56.6	30.9	23.7	21.1	20.4	24.3		
36.2	36.2	36.9	35.5	36.2	34.9	21.7	15.1	13.8	13.2	17.8		
8.6	8.6	6.6	5.9	6.6	9.2	5.9	4.6	3.9	3.3	5.9		
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		

'226856
 IST-AF-800-LED-E1-SL2-7030

REPORT NUMBER: P226856
 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°	922.0	922.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	915.4	910.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	863.4	850.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	788.4	773.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	702.8	681.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	593.6	550.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	467.2	410.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	321.8	275.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	225.7	208.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	174.4	175.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	144.8	151.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	127.7	134.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	117.1	123.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	109.9	112.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	101.3	102.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	94.1	94.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	87.5	86.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	81.6	80.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	75.7	76.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	72.4	73.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	69.1	69.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	66.5	66.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	63.8	63.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	61.9	60.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	59.9	58.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	58.6	56.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	57.3	55.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66°	56.6	55.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	55.9	54.6
										70°	53.3	52.0
										72.5°	49.4	48.7
										75°	45.4	44.1
										77.5°	40.1	39.5
										80°	34.2	33.6
										82.5°	29.0	27.6
										85°	23.0	21.7
										87.5°	15.8	14.5
										90°	3.9	4.6
										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: P226856

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

0-LED-E1-SL2-7030

tinued):

175°	180°
922.0	922.0
906.9	912.8
847.0	845.0
762.1	762.7
659.4	660.7
526.5	518.6
377.1	380.4
262.6	261.9
210.6	211.9
180.3	180.3
160.6	160.6
141.5	142.1
128.3	129.6
116.5	117.1
104.6	105.3
94.8	94.8
88.2	88.8
83.6	83.6
79.0	79.0
75.0	76.3
71.1	71.7
67.1	67.8
63.2	63.2
59.9	59.9
57.3	56.6
55.3	54.0
53.3	52.6
52.6	52.0
52.0	51.3
50.7	50.0
48.7	48.0
44.8	43.4
40.8	39.5
37.5	35.5
31.6	30.3
23.0	21.7
13.8	13.8
3.3	3.3
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

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

