

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: P226986

Luminaire Tested: **IST-AF-800-LED-E1-SL3-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226986
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35946)
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-SL3-7030
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE III W/SPILL CONTROL
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4292.7 lumens
Efficiency: N/A
Efficacy: 98.7 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

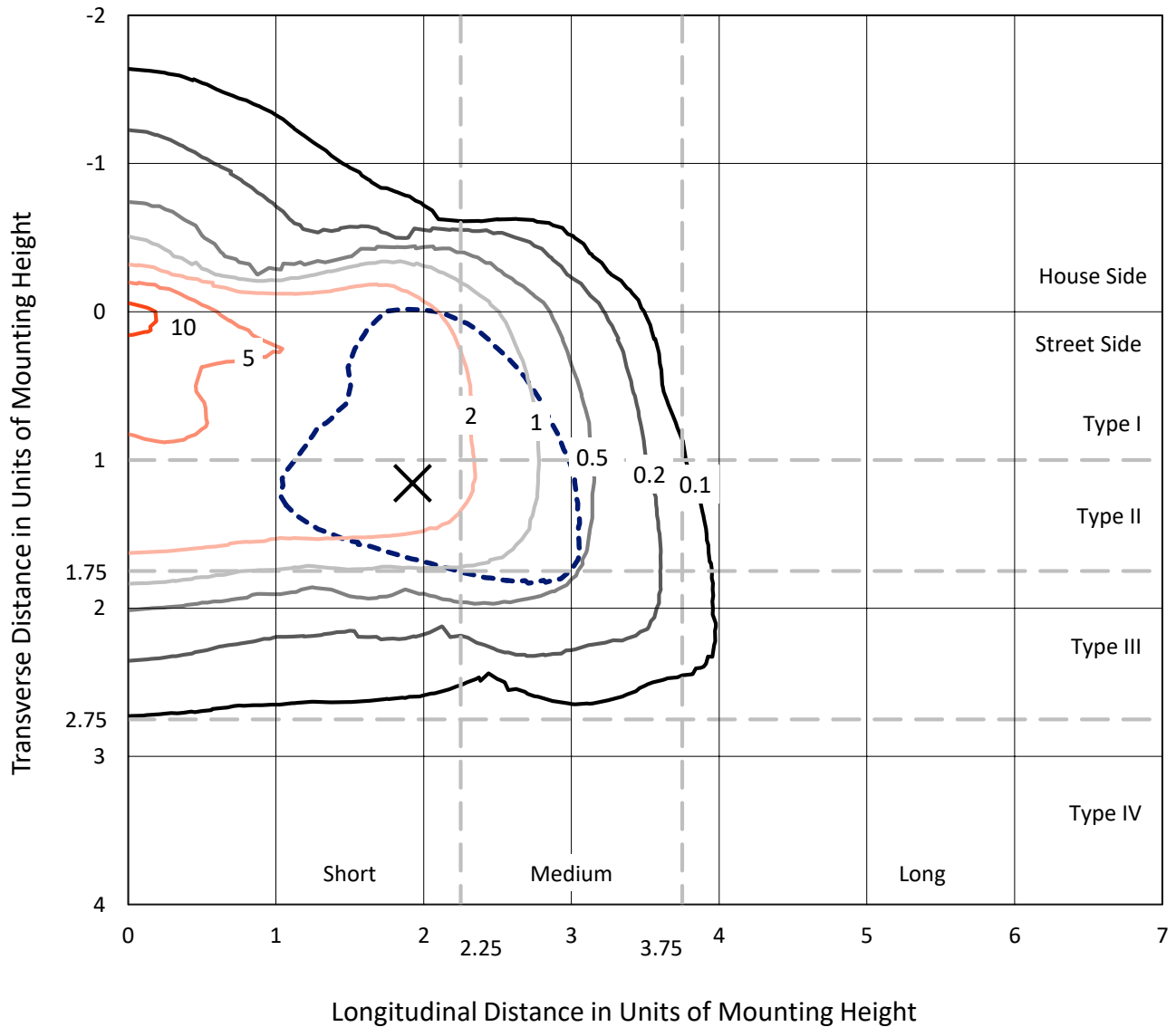
Input Watts (W): 43.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

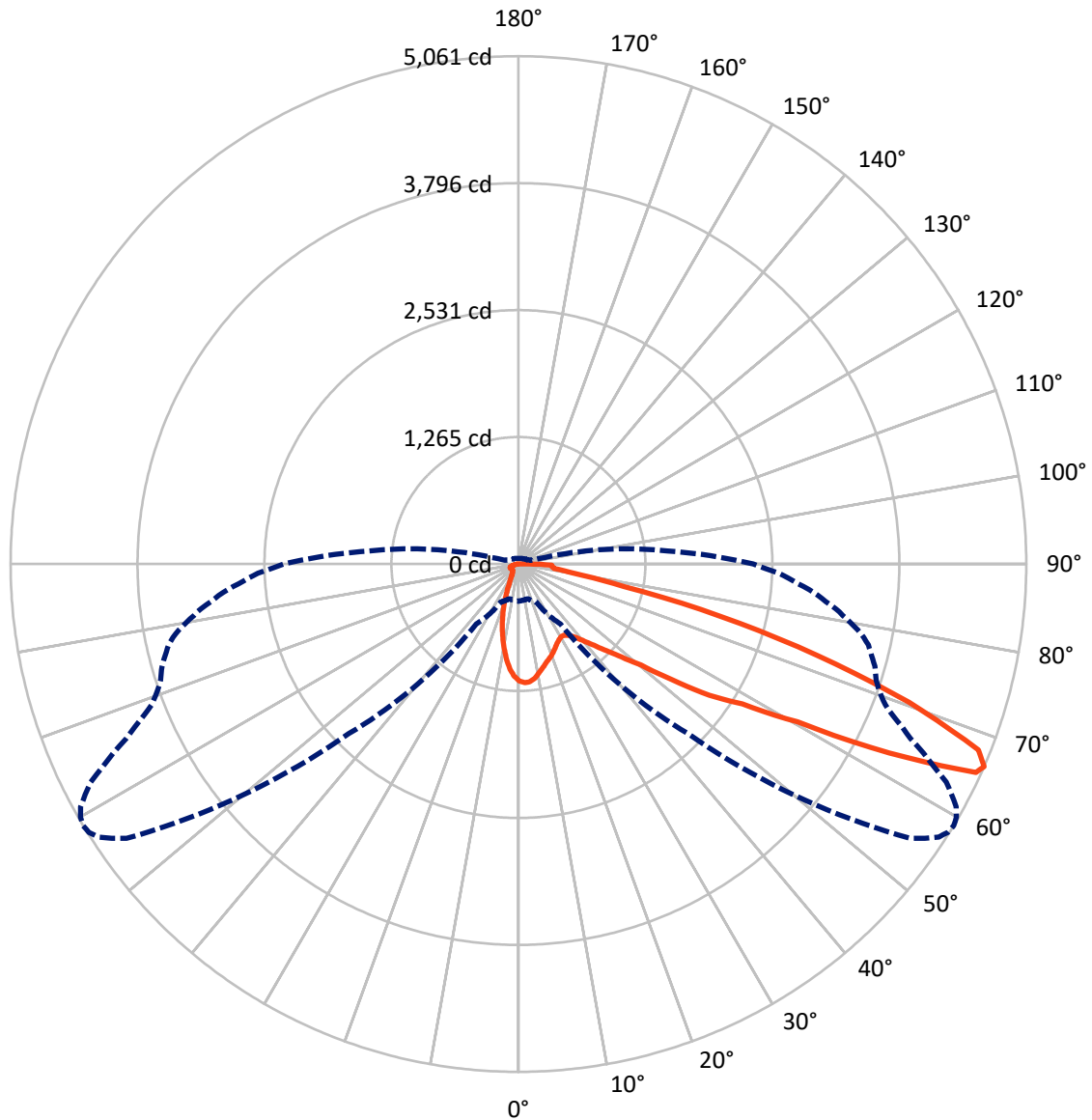
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.7 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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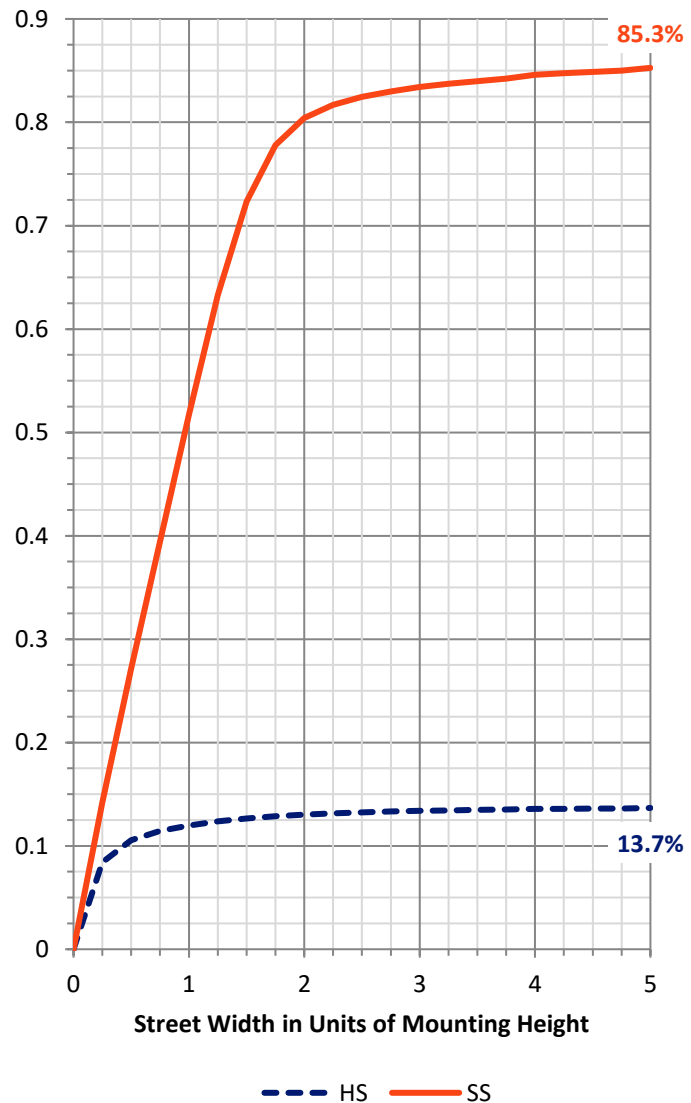
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	595.6	0.3	595.9
	% Fixture	13.9	0.0	13.9
Street Side	Lumens	3695.3	1.6	3696.9
	% Fixture	86.1	0.0	86.1
Total	Lumens	4290.9	1.8	4292.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.4	2.3
10°-20°	210.0	4.9
20°-30°	263.4	6.1
30°-40°	360.4	8.4
40°-50°	579.8	13.5
50°-60°	1007.4	23.5
60°-70°	1224.0	28.5
70°-80°	456.6	10.6
80°-90°	89.8	2.1
90°-100°	1.8	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°	4290.9	100.0
0°-180°	4292.7	100.0



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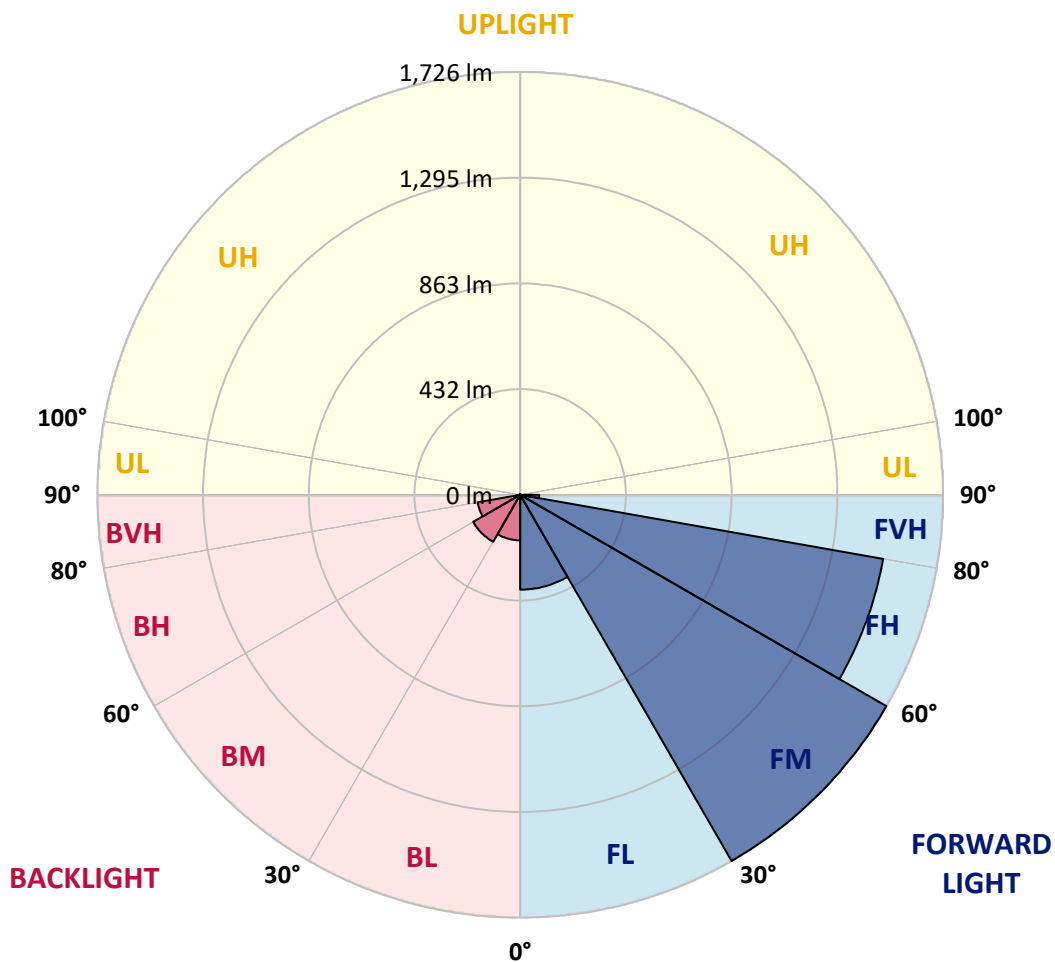
CATALOG NUMBER: IST-AF-800-LED-E1-SL3-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	387.1	9.0			
FM	(30°-60°)	1726.2	40.2			
FH	(60°-80°)	1504.5	35.0			G1/1800
FVH	(80°-90°)	77.5	1.8			G1/100
BL	(0°-30°)	185.7	4.3	B1/500		
BM	(30°-60°)	221.4	5.2	B1/1000		
BH	(60°-80°)	176.1	4.1	B1/500		G1/500
BVH	(80°-90°)	12.3	0.3			G1/100
UL	(90°-100°)	1.8	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°	56°	57°	58°	59°
0°	1166.2	1166.2	1166.2	1166.2	1166.2	1166.2	1166.2	1166.2	1166.2	1166.2	1166.2
2.5°	1196.5	1192.5	1199.8	1197.1	1199.1	1189.2	1187.3	1185.3	1186.6	1184.6	1184.6
5°	1168.2	1166.2	1174.8	1179.4	1183.3	1182.0	1181.3	1181.3	1182.0	1177.4	1178.1
7.5°	1085.3	1083.9	1095.8	1104.3	1123.4	1134.6	1149.1	1149.8	1151.1	1149.1	1153.0
10°	997.1	1001.0	1011.5	1025.4	1053.7	1070.8	1098.4	1103.7	1105.7	1106.3	1107.0
12.5°	912.8	908.9	922.0	948.4	986.5	1014.2	1049.1	1051.7	1055.0	1059.6	1064.2
15°	837.8	842.4	852.9	880.6	920.7	959.6	1005.0	1007.6	1014.2	1018.1	1024.7
17.5°	786.5	786.5	798.3	824.0	861.5	910.9	968.1	972.7	978.0	983.2	990.5
20°	760.8	760.8	765.4	780.5	813.4	860.8	929.9	935.2	944.4	950.3	960.2
22.5°	758.8	758.2	757.5	760.8	780.5	817.4	889.1	896.4	904.3	913.5	922.0
25°	779.9	781.9	774.0	768.7	770.7	787.8	850.3	854.3	869.4	875.3	885.8
27.5°	810.2	813.4	806.9	799.0	787.1	775.9	817.4	824.0	833.9	843.7	856.9
30°	853.6	852.9	852.3	847.0	824.0	789.1	807.5	812.1	820.7	828.6	839.8
32.5°	900.3	905.6	909.5	906.9	883.2	824.0	821.3	825.3	833.2	837.8	845.0
35°	960.9	963.5	978.6	978.6	954.9	886.5	860.2	863.5	867.4	869.4	874.7
37.5°	1027.3	1036.6	1058.9	1072.1	1035.2	964.2	921.4	921.4	923.4	924.7	928.0
40°	1104.3	1117.5	1148.4	1173.4	1149.8	1060.9	1001.7	1007.6	1005.6	1003.0	1010.2
42.5°	1193.8	1208.3	1245.8	1269.5	1255.7	1177.4	1109.6	1105.7	1111.6	1103.7	1106.3
45°	1297.8	1309.0	1347.2	1372.2	1383.4	1320.2	1251.1	1243.2	1243.2	1226.1	1233.3
47.5°	1391.3	1394.6	1431.4	1475.5	1511.7	1513.0	1415.6	1410.4	1397.9	1386.7	1384.0
50°	1478.2	1488.0	1511.7	1559.8	1635.5	1701.3	1642.0	1625.6	1611.8	1570.3	1582.8
52.5°	1628.9	1648.0	1663.1	1692.1	1781.6	1915.2	1988.2	1962.5	1959.3	1921.7	1913.2
55°	1657.2	1659.1	1709.2	1876.3	2086.9	2183.0	2323.2	2322.5	2333.1	2321.2	2310.0
57.5°	1524.2	1508.4	1592.0	1812.5	2235.7	2729.3	2686.5	2691.1	2677.3	2641.1	2629.9
60°	1187.3	1200.4	1290.6	1571.6	2128.4	3082.0	3364.4	3280.8	3340.7	3246.6	3195.9
62.5°	668.0	652.9	714.1	1009.6	1746.0	3100.5	4287.7	4296.9	4325.9	4273.2	4149.5
65°	431.1	424.5	418.6	510.7	1046.4	2712.2	4798.4	4911.6	4979.4	5007.1	5009.0
66°	370.5	365.3	358.0	417.9	729.2	2389.7	4765.5	4886.6	4994.5	5045.9	5061.0
67.5°	315.2	307.3	306.0	346.2	507.4	1854.0	4451.6	4641.8	4737.2	4870.2	4942.6
70°	240.9	236.9	248.8	298.8	389.6	872.7	3547.3	3795.4	3960.0	4064.0	4131.1
72.5°	202.0	200.7	217.2	273.1	369.2	494.9	2483.1	2749.7	2921.4	3020.8	3113.0
75°	158.0	159.3	181.0	260.6	367.2	431.1	1442.6	1696.7	1796.7	1953.3	2073.1
77.5°	118.5	117.1	134.3	210.6	358.0	437.0	749.6	854.9	964.8	1044.5	1073.4
80°	82.9	84.2	96.1	144.8	279.0	449.5	467.3	491.6	514.7	540.3	545.6
82.5°	55.3	55.9	71.1	99.4	193.5	429.1	436.3	425.2	407.4	385.0	360.7
85°	33.6	34.9	50.7	67.1	150.1	388.3	451.5	421.9	394.9	365.3	335.6
87.5°	17.1	19.1	30.3	39.5	88.8	191.5	469.9	448.2	411.3	365.9	333.0
90°	4.6	4.6	6.6	9.9	17.8	38.8	118.5	106.6	53.3	101.4	50.0
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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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
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):

	60°	61°	62°	63°	64°	65°	66°	67°	68°	69°	70°
0°	1166.2	1166.2	1166.2	1166.2	1166.2	1166.2	1166.2	1166.2	1166.2	1166.2	1166.2
2.5°	1184.0	1185.3	1184.0	1182.0	1184.0	1182.0	1181.3	1180.7	1181.3	1180.0	1179.4
5°	1178.1	1179.4	1179.4	1175.4	1174.8	1177.4	1173.4	1174.8	1173.4	1172.1	1169.5
7.5°	1149.8	1150.4	1151.1	1148.4	1150.4	1150.4	1149.1	1149.1	1147.8	1148.4	1145.8
10°	1110.3	1112.9	1115.5	1114.2	1113.6	1119.5	1116.8	1118.8	1118.8	1116.8	1117.5
12.5°	1067.5	1072.1	1075.4	1075.4	1078.0	1084.6	1083.9	1085.3	1090.5	1090.5	1088.5
15°	1028.0	1032.6	1037.9	1041.8	1047.1	1051.7	1055.0	1060.2	1062.9	1062.9	1066.2
17.5°	997.1	1003.6	1009.6	1011.5	1018.8	1026.7	1028.7	1035.2	1039.2	1041.2	1045.1
20°	966.8	974.0	981.3	987.9	994.4	1003.6	1008.3	1012.2	1018.8	1022.7	1028.7
22.5°	931.3	942.4	951.7	959.6	970.7	978.6	987.9	994.4	1002.3	1008.3	1012.9
25°	897.7	912.8	925.3	933.2	948.4	959.6	970.7	980.6	990.5	999.0	1005.6
27.5°	866.8	883.9	899.0	911.5	928.0	945.7	956.9	973.4	986.5	998.4	1006.3
30°	851.6	866.1	881.9	896.4	912.8	935.2	953.6	974.7	991.1	1006.3	1018.1
32.5°	854.9	868.1	881.9	894.4	911.5	936.5	955.6	980.0	1004.3	1024.1	1039.2
35°	881.2	893.1	902.3	913.5	928.6	947.7	968.1	993.8	1024.1	1050.4	1070.1
37.5°	936.5	939.8	949.0	957.6	965.5	983.2	1002.3	1024.1	1058.9	1086.6	1114.2
40°	1005.0	1013.5	1022.1	1026.0	1035.2	1046.4	1055.0	1078.0	1108.9	1145.1	1175.4
42.5°	1107.0	1110.3	1111.6	1112.9	1116.2	1124.1	1136.6	1157.7	1187.9	1220.2	1253.7
45°	1221.5	1225.4	1229.4	1231.4	1226.8	1231.4	1244.5	1254.4	1284.0	1314.3	1357.1
47.5°	1380.1	1368.3	1362.3	1370.2	1366.3	1376.2	1382.1	1388.0	1423.5	1459.7	1495.9
50°	1583.5	1576.2	1567.0	1567.7	1574.9	1568.3	1572.3	1594.0	1605.8	1636.1	1684.2
52.5°	1908.6	1886.2	1851.3	1836.2	1844.7	1839.5	1841.4	1846.1	1838.2	1866.5	1907.3
55°	2310.0	2281.1	2258.0	2244.9	2196.2	2192.2	2160.0	2148.1	2122.5	2149.5	2140.2
57.5°	2596.3	2577.9	2566.0	2526.6	2504.2	2459.4	2446.3	2430.5	2394.9	2412.7	2428.5
60°	3149.2	3083.3	3061.0	2991.9	2968.8	2926.0	2871.4	2844.4	2826.0	2843.1	2832.6
62.5°	4071.9	3980.4	3962.6	3798.7	3758.6	3659.9	3557.2	3543.4	3485.5	3449.3	3440.7
65°	4972.8	4841.9	4743.8	4564.8	4443.7	4302.9	4146.2	4031.7	3913.9	3854.7	3776.4
66°	5040.0	4988.0	4889.2	4784.6	4608.2	4454.2	4276.5	4152.8	4020.5	3916.5	3849.4
67.5°	4925.4	4897.8	4862.9	4791.8	4681.3	4537.8	4369.3	4211.4	4052.1	3929.7	3822.4
70°	4163.3	4193.6	4233.1	4214.7	4151.5	4095.5	3946.8	3858.6	3738.8	3578.3	3512.4
72.5°	3142.6	3223.5	3195.9	3091.9	3043.2	3004.4	2950.4	2891.2	2719.4	2699.6	2622.0
75°	2021.8	1994.8	2012.6	1886.2	1800.0	1764.4	1636.1	1583.5	1454.5	1370.9	1307.0
77.5°	1065.5	1012.9	972.1	860.8	781.2	734.5	672.0	598.2	485.0	478.5	375.1
80°	494.3	454.1	417.3	378.4	339.6	288.3	250.1	204.0	180.3	154.7	144.1
82.5°	335.6	310.0	287.6	261.9	232.3	196.8	169.8	144.1	123.1	110.6	100.7
85°	304.1	276.4	251.4	219.2	188.2	158.6	129.7	107.3	87.5	76.3	69.8
87.5°	295.5	261.3	235.0	200.1	169.8	139.5	111.9	86.9	67.8	55.3	47.4
90°	37.5	40.1	29.0	27.6	11.8	15.1	11.2	6.6	7.2	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: P226986

CATALOG NUMBER: IST-AF-800-LED-E1-SL3-7030

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	63°	64°	65°	66°	67°	68°	69°	70°
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: P226986
 CATALOG NUMBER: IST-AF-800-LED-E1-SL3-7030

CANDELA DISTRIBUTION (continued):

	71°	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°
0°	1166.2	1166.2	1166.2	1166.2	1166.2	1166.2	1166.2	1166.2	1166.2	1166.2	1166.2
2.5°	1178.1	1176.1	1178.1	1177.4	1174.8	1175.4	1176.1	1173.4	1172.1	1172.1	1171.5
5°	1167.5	1166.2	1167.5	1166.9	1162.9	1162.3	1162.3	1160.3	1157.7	1155.7	1154.4
7.5°	1142.5	1143.8	1143.2	1141.2	1139.2	1139.2	1137.2	1132.6	1130.0	1127.4	1124.7
10°	1114.2	1114.2	1114.9	1114.2	1110.9	1109.6	1107.0	1104.3	1105.0	1098.4	1093.2
12.5°	1089.2	1089.2	1088.5	1087.2	1085.3	1084.6	1084.6	1076.7	1074.7	1072.8	1066.8
15°	1065.5	1066.8	1066.8	1066.8	1063.5	1063.5	1060.2	1055.0	1055.0	1049.1	1043.1
17.5°	1047.1	1049.1	1048.4	1049.1	1049.7	1045.8	1039.8	1036.6	1032.6	1029.3	1021.4
20°	1031.3	1032.6	1033.3	1033.3	1031.3	1028.7	1023.4	1018.1	1015.5	1008.9	999.0
22.5°	1016.8	1019.4	1020.1	1020.1	1017.5	1015.5	1010.2	1002.3	997.1	989.2	980.0
25°	1010.9	1014.2	1012.2	1013.5	1010.9	1006.3	999.0	992.5	984.6	974.7	964.8
27.5°	1012.9	1017.5	1016.2	1015.5	1012.2	1008.9	999.7	991.8	982.6	970.7	958.2
30°	1024.7	1032.6	1029.3	1026.7	1026.0	1018.1	1009.6	998.4	987.9	974.0	959.6
32.5°	1047.1	1051.0	1051.7	1049.7	1046.4	1039.8	1028.0	1013.5	1001.7	985.2	968.1
35°	1083.9	1087.9	1086.6	1086.6	1083.3	1072.8	1058.3	1043.8	1027.3	1008.9	991.1
37.5°	1135.3	1142.5	1141.2	1138.6	1134.6	1122.1	1110.9	1093.2	1074.7	1050.4	1030.0
40°	1199.8	1211.0	1220.8	1218.9	1209.6	1198.5	1187.9	1167.5	1149.1	1122.1	1099.7
42.5°	1286.6	1301.8	1314.3	1323.5	1319.6	1305.1	1286.6	1278.1	1251.8	1224.1	1201.1
45°	1397.9	1429.5	1440.6	1451.8	1451.8	1442.6	1438.7	1421.6	1393.9	1357.1	1335.3
47.5°	1544.6	1586.8	1599.3	1618.3	1629.5	1619.7	1612.4	1583.5	1565.0	1514.4	1509.1
50°	1723.0	1765.1	1799.3	1821.7	1818.4	1827.0	1809.9	1793.4	1767.7	1726.3	1711.8
52.5°	1950.7	1984.3	2015.2	2028.4	2042.2	2040.2	2036.3	2025.1	1992.8	1970.4	1933.6
55°	2184.3	2212.0	2249.5	2271.2	2289.0	2285.7	2270.5	2243.6	2249.5	2202.8	2182.4
57.5°	2450.2	2480.5	2521.3	2541.7	2549.6	2589.7	2579.9	2576.6	2565.4	2548.9	2527.9
60°	2907.6	2916.2	2949.7	3001.1	3064.3	3051.7	3067.5	3078.1	3086.0	3049.1	3046.5
62.5°	3452.6	3463.1	3492.0	3502.6	3511.8	3513.1	3492.0	3492.0	3455.8	3408.5	3371.6
65°	3750.0	3728.3	3708.6	3697.4	3673.0	3651.3	3619.7	3576.9	3515.7	3442.7	3376.9
66°	3792.8	3748.7	3723.0	3694.7	3655.9	3615.8	3578.3	3519.7	3447.9	3361.1	3274.2
67.5°	3751.3	3690.8	3630.9	3589.4	3535.5	3463.1	3397.3	3328.8	3261.0	3141.9	3061.0
70°	3372.9	3300.5	3234.7	3143.9	3058.3	2987.3	2874.1	2754.9	2656.9	2531.8	2452.2
72.5°	2504.8	2419.3	2333.7	2206.1	2081.7	2063.2	1921.1	1780.9	1705.9	1605.2	1524.2
75°	1237.3	1129.4	976.0	907.6	808.2	759.5	732.5	631.1	606.8	507.4	506.1
77.5°	349.5	300.1	266.5	232.3	217.8	207.3	171.1	163.9	148.7	146.1	137.5
80°	132.3	125.0	121.8	118.5	115.2	113.2	111.9	106.6	104.0	100.0	98.1
82.5°	95.4	92.8	86.9	84.9	82.3	78.3	77.7	74.4	72.4	68.4	67.1
85°	64.5	61.2	57.9	54.6	53.3	52.7	50.7	49.4	48.0	46.1	45.4
87.5°	43.4	40.1	36.2	34.9	34.2	34.9	35.5	34.2	33.6	32.2	31.6
90°	5.3	7.2	6.6	6.6	7.9	6.6	6.6	7.2	6.6	6.6	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: P226986
 CATALOG NUMBER: IST-AF-800-LED-E1-SL3-7030

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	71°	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	
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°

'226986
 IST-AF-800-LED-E1-SL3-7030

REPORT NUMBER: P226986
 CATALOG NUMBER: IST-AF-800

TION (continued):

CANDELA DISTRIBUTION (con

83°	84°	85°	86°	87°	88°	89°	90°	95°	105°		115°	125°
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°	1166.2	1166.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1128.0	1117.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	1068.1	1044.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	987.2	941.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	894.4	827.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	798.3	713.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	708.8	596.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	614.7	475.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	524.5	359.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	422.5	252.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	310.0	183.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	221.1	146.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	165.2	123.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	132.3	106.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	112.5	96.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	100.7	90.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	94.1	86.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	90.2	83.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	88.2	81.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	86.9	79.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	85.6	79.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	86.2	80.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	89.5	80.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	94.8	80.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	98.7	81.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	100.0	84.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	98.7	85.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66°	97.4	85.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	95.4	84.2
										70°	90.8	79.0
										72.5°	81.6	71.1
										75°	69.8	57.3
										77.5°	56.6	46.1
										80°	42.1	34.9
										82.5°	30.9	27.0
										85°	21.7	19.1
										87.5°	13.2	11.8
										90°	3.3	3.3
										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: P226986

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

0-LED-E1-SL3-7030

tinued):

135°	145°	155°	165°	175°	180°
1166.2	1166.2	1166.2	1166.2	1166.2	1166.2
1110.3	1109.6	1093.2	1089.9	1078.7	1084.6
1016.2	1005.0	975.3	969.4	956.9	953.6
903.6	872.7	849.0	822.7	797.7	810.2
772.0	720.0	668.0	633.8	620.0	615.4
646.9	553.5	488.3	421.2	397.5	406.1
495.6	389.0	302.1	263.3	240.9	236.9
349.5	249.4	209.3	199.4	194.8	194.8
236.9	190.2	175.1	170.5	170.5	171.1
180.3	159.9	153.3	154.0	156.6	157.3
149.4	141.5	138.2	142.8	148.1	148.7
129.0	127.0	127.7	133.6	138.9	139.5
113.2	115.2	117.8	123.1	127.7	129.0
102.0	105.3	107.3	110.6	113.2	113.9
94.1	98.1	97.4	99.4	101.4	102.0
89.5	91.5	89.5	90.8	90.8	92.1
85.6	86.2	82.9	83.6	84.9	84.9
81.6	81.0	77.7	79.0	81.0	81.6
77.7	76.3	73.7	76.3	79.6	80.3
74.4	73.1	71.7	75.0	79.0	79.6
73.1	71.7	70.4	75.0	79.0	79.6
73.1	71.7	70.4	73.7	77.7	78.3
73.7	72.4	69.8	73.1	75.7	76.3
74.4	73.1	68.4	70.4	71.7	72.4
74.4	71.7	67.1	67.8	67.8	68.4
73.1	69.8	64.5	64.5	63.8	63.8
73.1	67.1	61.9	60.5	59.2	59.2
72.4	66.5	61.2	59.2	57.3	57.3
71.1	65.2	59.9	57.3	55.3	55.3
66.5	62.5	56.6	54.0	52.0	51.3
59.2	57.3	52.7	50.7	48.7	48.0
50.0	50.7	48.0	46.7	44.8	44.1
42.1	43.4	42.1	41.5	40.1	39.5
33.6	36.2	34.9	34.9	35.5	34.2
25.7	29.0	27.6	29.0	30.3	28.3
17.8	21.1	21.1	21.7	22.4	21.1
11.2	13.8	13.2	13.8	13.8	13.2
2.6	4.6	2.6	3.9	3.3	2.6
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
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):

	115°	125°	135°
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

