

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: P271644

Luminaire Tested: **IST-AF-600-LED-E1-SL4-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271644
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35947)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: IST-AF-600-LED-E1-SL4-7027
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE IV W/SPILL CONTROL
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3179.5 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U1 - G1

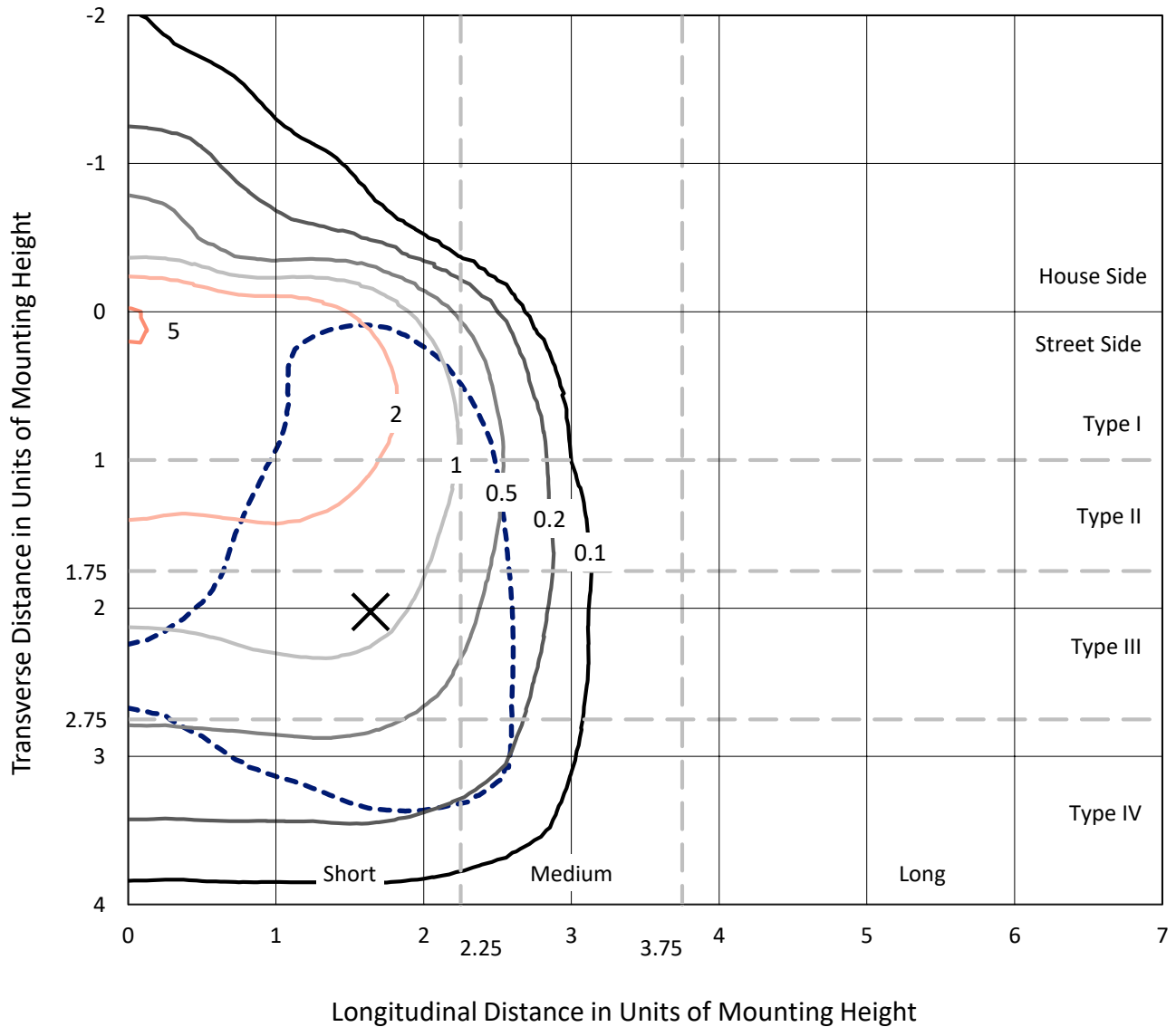
Input Watts (W): 33.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P271644
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Iso-Footcandle Lines of Horizontal Illumination

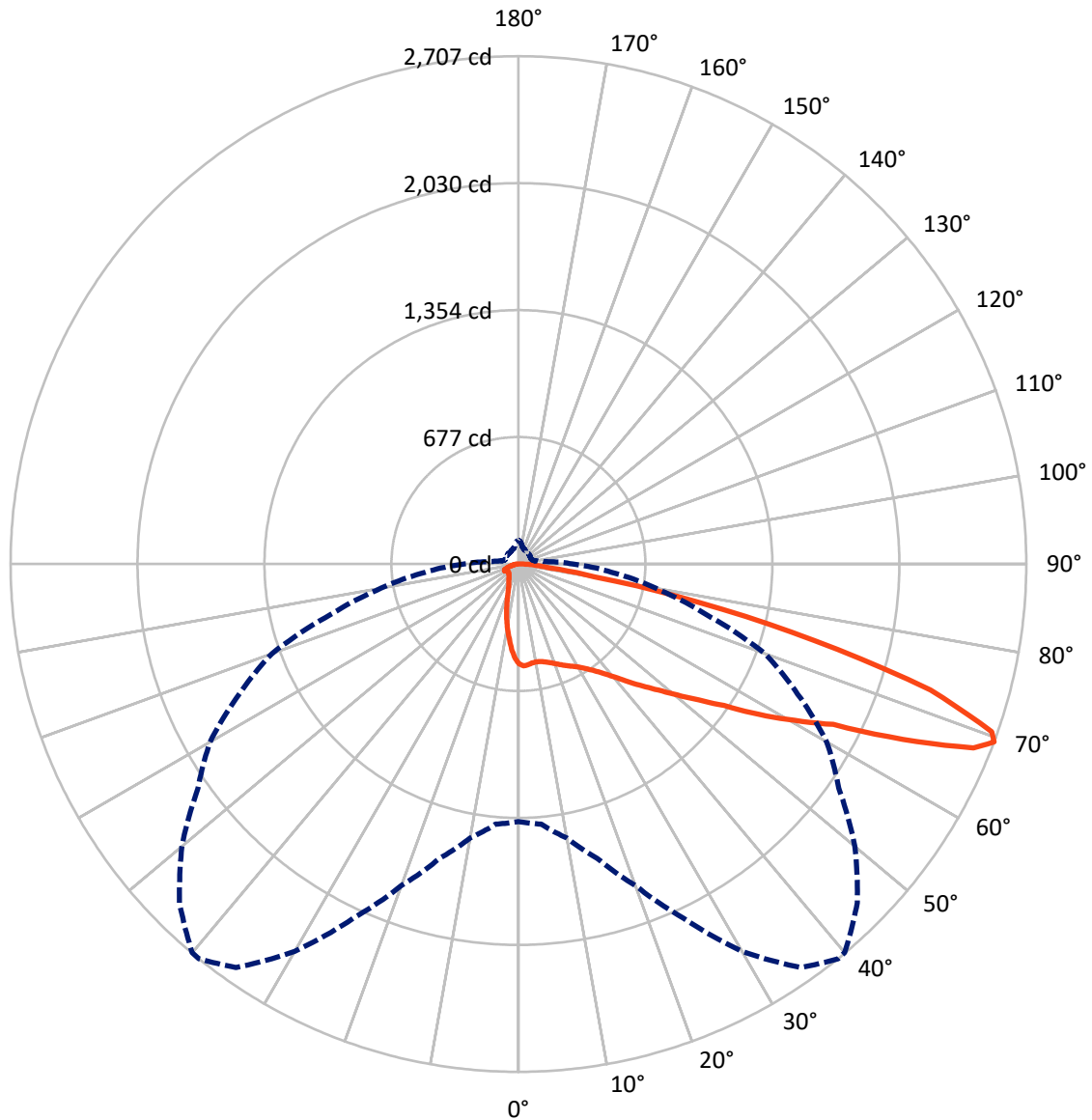
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.3 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P271644
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Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P271644

CATALOG NUMBER: IST-AF-600-LED-E1-SL4-7027

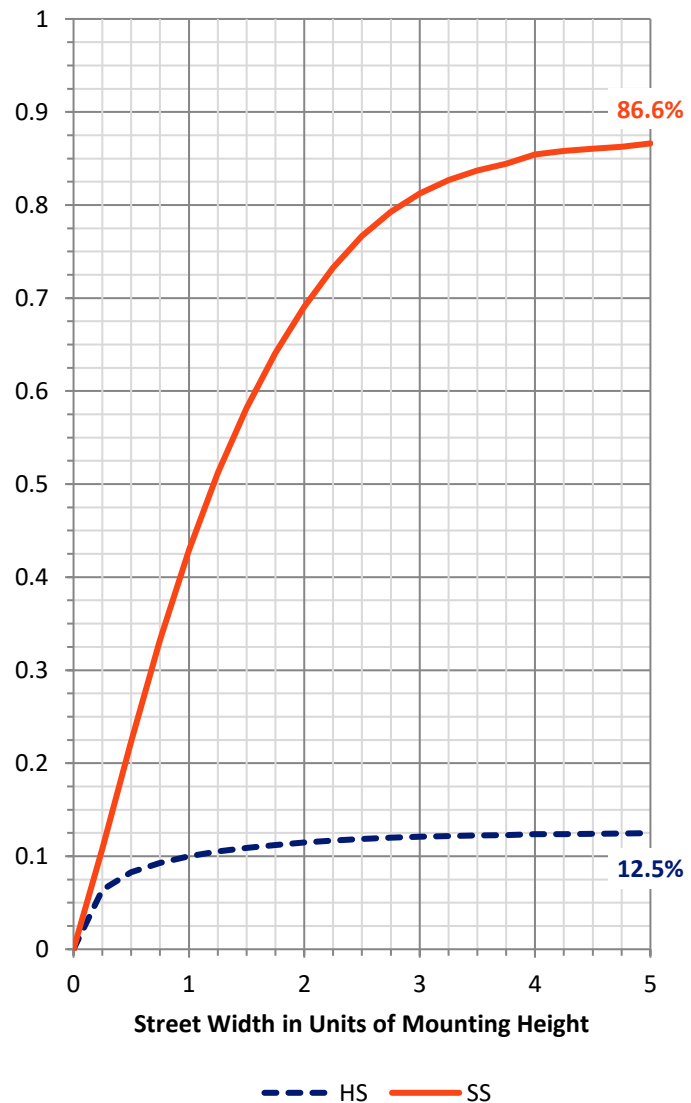
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	402.3	0.1	402.4
	% Fixture	12.7	0.0	12.7
Street Side	Lumens	2776.4	0.8	2777.2
	% Fixture	87.3	0.0	87.3
Total	Lumens	3178.7	0.9	3179.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.0	1.4
10°-20°	115.9	3.6
20°-30°	180.4	5.7
30°-40°	272.7	8.6
40°-50°	436.3	13.7
50°-60°	685.8	21.6
60°-70°	923.4	29.0
70°-80°	458.0	14.4
80°-90°	60.2	1.9
90°-100°	0.9	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°	3178.7	100.0
0°-180°	3179.5	100.0

Coefficient of Utilization



REPORT NUMBER: P271644

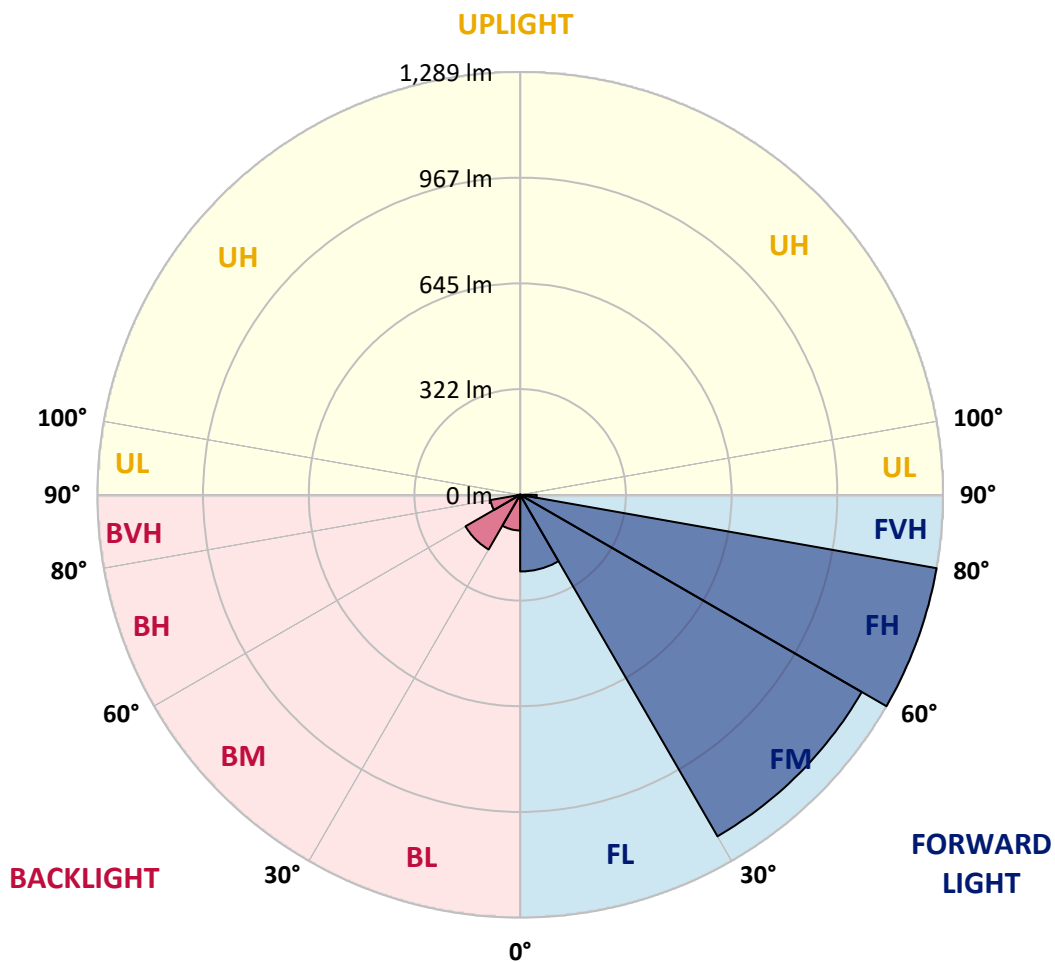
CATALOG NUMBER: IST-AF-600-LED-E1-SL4-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	233.8	7.4			
FM	(30°-60°)	1202.6	37.8			
FH	(60°-80°)	1289.3	40.6			G1/1800
FVH	(80°-90°)	50.7	1.6			G1/100
BL	(0°-30°)	108.5	3.4	B0/110		
BM	(30°-60°)	192.2	6.0	B0/220		
BH	(60°-80°)	92.1	2.9	B0/110		G0/110
BVH	(80°-90°)	9.5	0.3			G0/10
UL	(90°-100°)	0.9	0.0		U1/10	
UH	(100°-180°)	0.1	0.0		U1/10	

BUG Rating: B0-U1-G1

Type IV Short





REPORT NUMBER: P271644

CATALOG NUMBER: IST-AF-600-LED-E1-SL4-7027

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	39°	40°	45°
0°	532.5	532.5	532.5	532.5	532.5	532.5	532.5	532.5	532.5	532.5	532.5
2.5°	545.5	546.0	546.0	546.5	544.5	544.5	544.9	542.8	543.9	543.4	540.8
5°	546.5	547.0	546.5	547.0	544.5	543.4	541.3	538.7	539.8	539.3	535.6
7.5°	543.9	544.5	543.4	543.9	540.8	538.7	535.6	533.5	532.1	531.4	526.9
10°	538.3	539.8	537.6	539.3	536.6	534.6	533.1	531.0	530.0	529.4	524.3
12.5°	530.0	531.0	531.4	533.5	533.5	534.1	534.1	532.5	533.1	532.5	528.5
15°	522.3	525.9	529.4	531.4	535.6	538.3	540.3	539.8	541.3	540.8	538.3
17.5°	522.3	525.3	531.4	538.3	546.0	549.5	552.6	552.6	553.2	552.2	548.1
20°	524.3	530.0	540.3	551.6	560.9	568.2	570.2	569.6	567.5	567.5	560.5
22.5°	541.3	544.9	556.3	568.6	581.6	588.7	589.3	587.7	583.6	582.6	573.8
25°	565.6	569.6	580.0	596.0	605.9	611.5	609.9	604.8	600.7	597.0	587.7
27.5°	603.2	606.4	616.7	627.5	633.1	635.2	629.0	621.9	617.1	615.6	603.2
30°	642.0	646.2	654.3	661.1	665.6	659.4	649.7	641.4	637.3	636.3	625.0
32.5°	689.4	690.0	695.6	697.2	697.6	687.3	674.0	666.3	664.7	662.6	653.8
35°	732.7	735.4	734.4	733.7	729.2	716.3	704.9	700.3	698.7	698.3	691.0
37.5°	771.5	775.6	773.0	768.4	762.8	752.4	740.6	735.4	740.6	737.4	738.9
40°	809.1	809.1	806.0	803.4	796.8	786.9	782.9	783.3	791.6	793.7	795.7
42.5°	841.6	841.2	838.0	836.0	835.0	832.9	830.8	840.6	856.6	859.7	864.3
45°	877.3	876.7	864.9	869.0	876.3	877.7	885.0	907.6	927.3	928.8	938.7
47.5°	911.8	907.6	896.4	900.6	921.1	931.9	943.8	975.8	1003.1	1008.9	1036.1
50°	947.9	943.8	931.5	939.2	968.0	988.1	1016.1	1060.4	1098.1	1105.8	1141.5
52.5°	985.6	985.1	975.3	987.1	1022.8	1063.5	1107.4	1157.5	1203.4	1213.3	1265.8
55°	1031.1	1028.5	1024.2	1038.8	1089.4	1144.0	1212.7	1280.8	1330.9	1348.4	1401.5
57.5°	1082.1	1081.1	1081.6	1111.6	1172.4	1255.5	1339.6	1431.4	1514.0	1526.4	1576.0
60°	1126.6	1128.6	1140.4	1187.4	1263.7	1376.2	1494.4	1618.7	1692.0	1704.9	1753.5
62.5°	1180.7	1192.5	1218.9	1278.2	1368.0	1504.2	1657.6	1789.1	1883.6	1909.9	2001.7
65°	1310.6	1320.0	1369.1	1440.7	1555.3	1729.8	1905.8	2097.1	2252.9	2276.8	2355.6
67.5°	1405.7	1429.5	1506.3	1623.5	1789.1	2012.0	2253.5	2485.3	2616.9	2627.6	2572.5
69°	1372.6	1392.2	1483.1	1624.5	1824.2	2083.7	2384.0	2626.0	2707.1	2705.1	2554.9
70°	1322.0	1340.1	1440.3	1577.5	1794.7	2075.4	2386.1	2627.1	2676.1	2657.5	2485.7
72.5°	1107.4	1123.4	1217.3	1360.8	1571.3	1850.0	2142.5	2307.2	2296.9	2281.3	1997.5
75°	691.4	690.4	772.5	855.5	1019.1	1300.9	1518.7	1650.7	1629.6	1617.8	1282.3
77.5°	258.5	276.6	306.5	395.8	471.1	623.3	799.3	946.5	987.1	935.0	690.4
80°	134.7	144.4	164.1	195.7	224.9	257.5	309.6	398.4	412.3	384.5	278.7
82.5°	106.3	118.1	137.8	164.6	185.3	172.8	163.0	168.7	167.7	160.0	141.9
85°	80.5	94.4	126.4	153.8	183.2	154.8	123.3	107.9	96.0	96.5	102.7
87.5°	40.2	52.1	99.6	134.2	159.4	102.7	80.5	62.4	52.1	50.0	67.0
90°	12.4	12.4	20.1	26.3	36.1	18.1	17.6	13.5	9.8	9.8	15.5
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°	10°	15°	20°	25°	30°	35°	39°	40°	45°
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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	532.5	532.5	532.5	532.5	532.5	532.5	532.5	532.5	532.5	532.5	532.5
2.5°	538.7	538.7	537.6	537.2	535.6	533.5	532.1	529.4	527.9	525.3	522.3
5°	532.1	530.0	528.9	526.9	523.8	521.2	518.1	514.5	510.3	505.2	499.5
7.5°	523.3	520.2	516.5	515.4	511.9	508.8	505.2	500.1	494.3	485.1	477.9
10°	519.6	516.5	513.4	511.3	506.7	503.1	499.0	492.3	485.1	472.7	459.2
12.5°	523.3	520.2	517.1	513.4	509.2	505.2	499.5	491.2	481.4	465.4	449.0
15°	532.1	528.9	523.8	520.2	514.5	510.9	503.1	493.9	479.3	459.8	438.1
17.5°	541.9	537.2	532.5	526.9	521.7	517.1	508.8	496.9	478.9	455.7	427.9
20°	551.1	546.0	538.7	534.6	529.4	522.7	514.0	499.5	477.9	447.4	416.9
22.5°	562.0	555.2	547.4	542.8	538.7	533.1	522.7	504.2	477.9	442.8	404.6
25°	575.9	567.1	559.4	554.7	552.2	548.1	535.6	515.0	481.4	440.2	394.3
27.5°	592.4	581.0	574.4	571.2	570.7	567.5	555.2	529.4	489.8	440.2	384.5
30°	612.0	602.2	593.4	593.4	599.6	597.6	583.6	551.6	502.6	441.8	377.2
32.5°	639.3	629.5	624.4	629.5	636.3	638.3	622.3	583.1	523.8	449.0	370.0
35°	679.6	673.4	669.8	677.5	691.0	696.2	676.5	630.1	554.7	462.9	365.9
37.5°	732.7	728.2	723.5	736.9	762.2	772.5	744.2	684.3	599.1	486.2	363.8
40°	793.7	794.2	799.3	826.2	850.4	872.1	840.1	766.3	660.1	519.1	365.9
42.5°	865.9	871.5	889.1	926.3	973.2	990.2	959.3	865.3	735.8	558.8	371.0
45°	955.7	970.7	1000.6	1055.8	1112.6	1138.9	1095.0	990.2	831.3	622.3	385.5
47.5°	1051.2	1084.2	1134.8	1201.8	1267.9	1284.9	1230.8	1103.3	924.7	678.6	407.7
50°	1173.5	1213.7	1264.3	1344.9	1415.0	1425.3	1353.6	1208.0	1006.2	727.5	428.9
52.5°	1287.5	1342.2	1406.7	1500.1	1571.3	1558.4	1465.6	1301.5	1070.8	761.1	440.7
55°	1443.4	1500.1	1572.8	1654.4	1725.0	1694.1	1567.3	1381.0	1122.3	785.8	444.3
57.5°	1621.4	1664.6	1736.0	1819.6	1866.0	1812.8	1667.3	1458.3	1171.4	786.5	415.9
60°	1796.3	1846.8	1925.2	2007.4	2033.1	1941.2	1737.0	1470.2	1122.9	701.8	332.8
62.5°	2055.3	2106.4	2146.2	2159.5	2113.2	1928.4	1655.9	1344.9	968.0	553.6	235.9
65°	2344.8	2287.1	2210.2	2138.0	2011.5	1730.8	1427.9	1104.8	751.3	370.0	162.5
67.5°	2420.8	2244.8	2077.5	1916.5	1680.7	1378.3	1077.0	777.1	482.0	210.6	110.4
69°	2341.7	2084.8	1898.5	1643.0	1399.5	1031.5	742.1	498.0	288.0	146.5	92.3
70°	2197.3	1930.0	1677.7	1404.1	1084.2	787.9	493.3	326.2	187.8	106.8	83.0
72.5°	1658.0	1325.7	1021.7	663.6	404.6	224.5	157.9	113.0	89.3	78.4	71.2
75°	958.9	638.3	418.0	222.9	132.1	98.1	85.7	76.4	70.7	68.1	61.9
77.5°	404.6	252.9	171.4	125.4	88.8	75.9	66.0	60.8	60.4	58.7	53.2
80°	184.2	157.9	134.7	94.4	67.6	57.9	50.6	49.6	50.6	49.0	43.4
82.5°	136.7	134.7	112.5	72.8	51.7	38.6	31.5	33.0	37.2	40.2	35.1
85°	114.1	114.1	94.4	54.2	34.0	24.7	24.3	27.4	30.9	33.6	28.4
87.5°	104.7	100.6	54.2	27.8	19.7	16.0	14.9	13.5	13.5	23.3	19.7
90°	10.3	4.6	2.5	2.1	2.5	2.1	3.1	2.5	2.5	2.5	2.5
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: P271644

CATALOG NUMBER: IST-AF-600-LED-E1-SL4-7027

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
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: P271644

CATALOG NUMBER: IST-AF-600-LED-E1-SL4-7027

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	532.5	532.5	532.5	532.5	532.5	532.5	532.5	532.5	532.5	532.5	532.5
2.5°	519.6	517.5	512.4	511.3	509.9	507.8	507.3	504.7	499.5	498.5	499.0
5°	496.0	487.7	482.0	477.3	473.8	464.4	460.8	456.7	449.4	447.4	444.3
7.5°	468.1	458.2	446.9	438.6	428.9	419.0	411.2	401.5	393.7	389.1	380.8
10°	446.4	432.9	418.0	401.5	388.6	373.7	363.8	352.5	340.1	328.7	320.4
12.5°	429.9	411.2	389.7	370.0	351.3	335.3	317.9	301.9	286.4	270.9	257.5
15°	416.5	393.2	365.9	341.1	318.4	294.6	275.0	252.9	233.2	219.8	202.7
17.5°	402.0	372.1	339.6	310.6	281.2	256.5	231.8	208.5	189.9	172.4	158.4
20°	384.5	348.4	313.1	279.7	246.1	217.7	192.5	170.3	152.3	138.2	128.0
22.5°	364.8	322.5	281.8	245.1	211.6	183.7	160.0	143.5	130.1	122.3	119.3
25°	345.8	297.2	251.3	211.0	177.5	153.8	137.8	123.9	117.0	114.1	114.1
27.5°	328.2	271.5	220.4	181.1	148.6	130.1	117.7	112.0	108.9	108.9	110.4
30°	311.7	245.7	190.9	151.2	125.4	111.5	104.7	102.7	103.2	105.3	107.3
32.5°	292.6	220.8	165.6	130.1	108.9	99.6	94.4	95.0	97.6	101.1	104.7
35°	272.5	194.6	143.5	114.1	97.6	90.3	87.2	87.8	91.4	96.0	99.6
37.5°	254.4	173.5	126.4	101.7	89.3	84.6	82.0	82.6	85.2	90.8	95.5
40°	236.3	155.4	112.5	94.4	84.6	79.9	78.4	78.0	79.9	85.2	90.8
42.5°	220.8	139.9	104.2	89.3	81.6	77.4	75.4	75.4	76.4	80.5	86.1
45°	211.6	130.5	98.5	85.7	78.9	75.4	73.3	72.2	73.8	76.4	81.6
47.5°	211.6	125.9	95.0	83.0	76.9	73.8	71.2	70.7	71.2	73.8	78.9
50°	218.7	126.9	94.4	82.0	75.9	71.8	69.2	69.2	70.2	73.8	78.0
52.5°	224.9	129.0	96.0	83.0	75.9	70.7	67.6	67.0	68.6	72.2	75.9
55°	223.9	129.0	97.6	84.6	77.4	71.2	67.0	66.6	67.6	71.2	74.8
57.5°	200.2	121.3	96.0	85.7	79.5	73.8	69.7	68.1	69.2	72.2	75.4
60°	162.1	107.9	91.9	85.7	82.6	78.4	74.3	73.3	73.8	76.9	80.5
62.5°	126.9	96.0	86.7	85.2	84.1	82.0	80.5	79.5	79.5	82.0	85.2
65°	103.2	86.7	82.6	83.0	84.1	83.6	83.0	82.6	82.6	84.1	87.2
67.5°	86.1	78.0	76.9	78.4	79.5	79.9	80.5	79.9	80.5	82.0	85.7
69°	78.4	73.3	72.2	73.3	75.4	75.9	76.9	76.4	76.9	78.4	82.0
70°	73.8	69.7	68.6	70.2	71.8	72.2	73.3	72.8	73.3	74.8	78.4
72.5°	64.0	59.4	57.9	58.7	60.4	60.4	61.9	62.4	61.4	61.9	64.5
75°	54.7	49.6	46.9	47.5	47.5	47.5	48.5	48.5	47.5	46.9	47.5
77.5°	45.9	40.2	37.2	37.2	37.2	36.7	35.1	35.7	36.1	35.7	36.1
80°	36.1	31.5	28.4	28.4	28.4	27.4	26.8	26.8	27.8	28.8	28.4
82.5°	27.8	23.3	21.6	21.2	21.2	20.1	20.1	21.2	20.6	21.2	22.2
85°	20.1	16.5	14.9	15.5	14.9	13.9	14.5	16.0	16.0	15.5	16.5
87.5°	12.4	10.3	9.8	10.3	9.3	7.7	7.3	7.7	8.7	8.3	9.3
90°	1.5	1.1	1.1	1.1	1.5	1.1	1.1	1.1	1.5	1.5	1.1
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: P271644
 CATALOG NUMBER: IST-AF-600-LED-E1-SL4-7027

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	
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: P271644
 NUMBER: IST-AF-600-LED-E1-SL4-7027

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

160°	165°	170°	175°	180°
532.5	532.5	532.5	532.5	532.5
495.3	496.9	490.3	493.3	491.2
441.2	438.6	438.1	436.6	433.4
377.7	375.7	369.5	371.6	366.9
312.3	311.7	300.3	300.8	295.1
251.9	242.5	237.9	231.1	234.7
195.0	187.4	177.5	174.9	178.5
147.1	139.3	134.7	130.5	129.0
121.8	117.0	114.5	113.0	112.0
117.7	116.6	116.2	115.1	114.5
115.1	116.2	116.2	116.2	115.1
112.5	114.5	115.1	114.5	113.5
110.0	111.5	111.5	110.9	109.4
106.3	107.9	107.9	107.3	106.3
102.1	103.2	103.8	103.8	104.2
99.0	100.1	101.1	102.1	103.8
95.5	96.9	97.6	99.6	101.7
90.8	92.9	94.0	95.5	97.6
86.1	88.8	89.3	91.4	93.4
84.1	86.1	86.1	87.8	89.3
81.6	82.6	82.0	83.0	83.6
78.9	79.9	79.5	80.5	80.9
76.9	78.0	78.9	79.9	80.5
78.0	79.5	79.9	81.6	82.0
82.6	84.6	86.7	88.8	90.3
87.2	89.8	94.4	103.8	107.3
89.8	93.4	104.2	120.2	124.9
88.2	92.9	105.8	122.8	128.5
85.2	88.8	102.7	120.2	125.4
80.9	84.6	98.5	117.7	122.3
65.6	67.6	83.0	101.1	104.2
48.0	49.6	61.4	68.6	68.1
37.2	39.3	43.4	43.8	43.4
29.5	30.5	32.5	32.5	33.0
22.6	23.3	24.3	23.3	22.6
17.1	16.5	16.0	15.5	14.9
9.8	9.8	8.3	7.3	6.6
1.1	1.5	1.5	1.1	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	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:

	160°
110°	0.0
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.0
127.5°	0.0
130°	0.0
132.5°	0.0
135°	0.0
137.5°	0.0
140°	0.0
142.5°	0.0
145°	0.0
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

