

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: P271664

Luminaire Tested: **IST-AF-1000-LED-E1-SL4-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271664
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-1000-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: 4704.5 lumens
Efficiency: N/A
Efficacy: 86.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U1 - G2

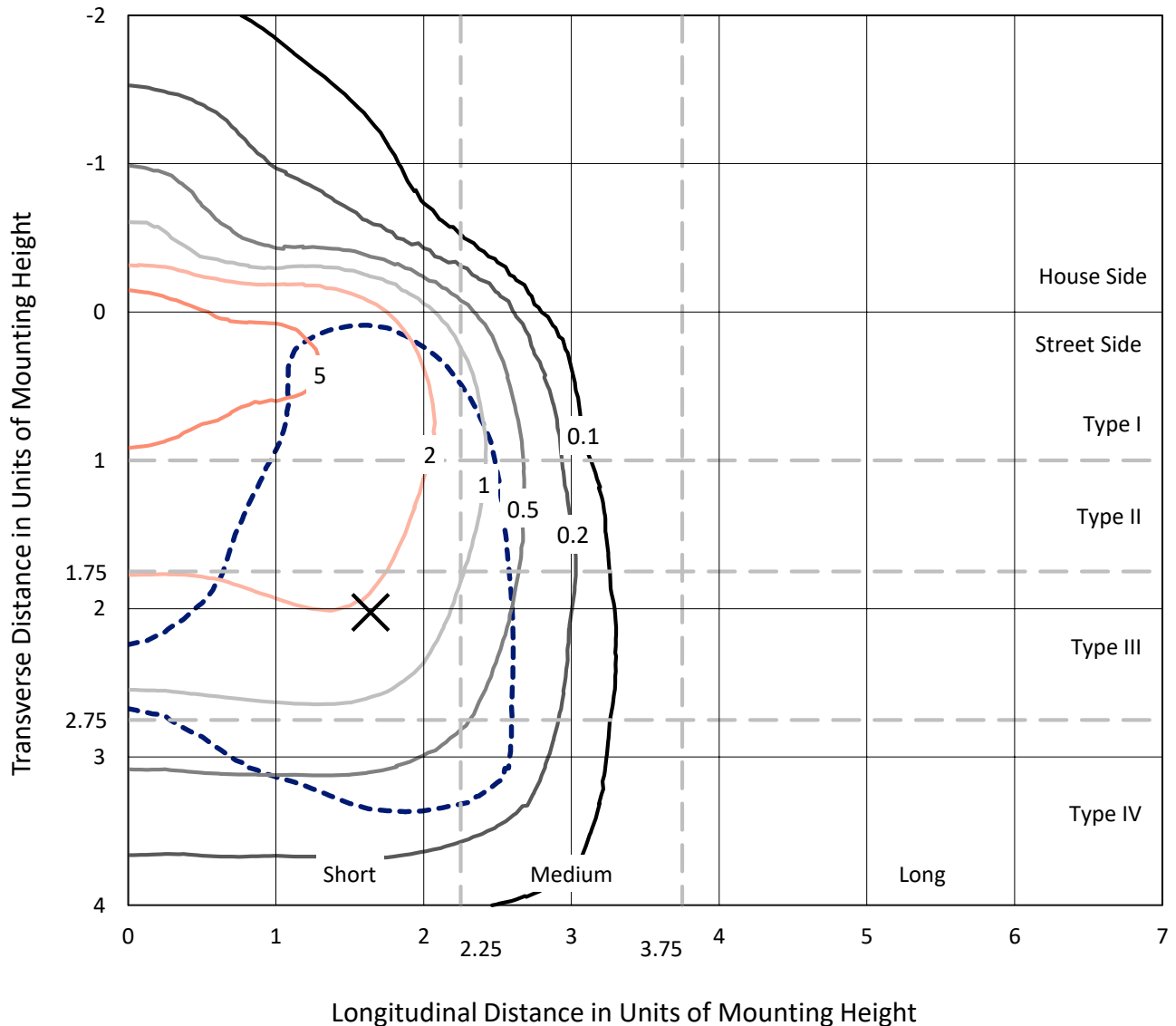
Input Watts (W): 54.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P271664
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Iso-Footcandle Lines of Horizontal Illumination

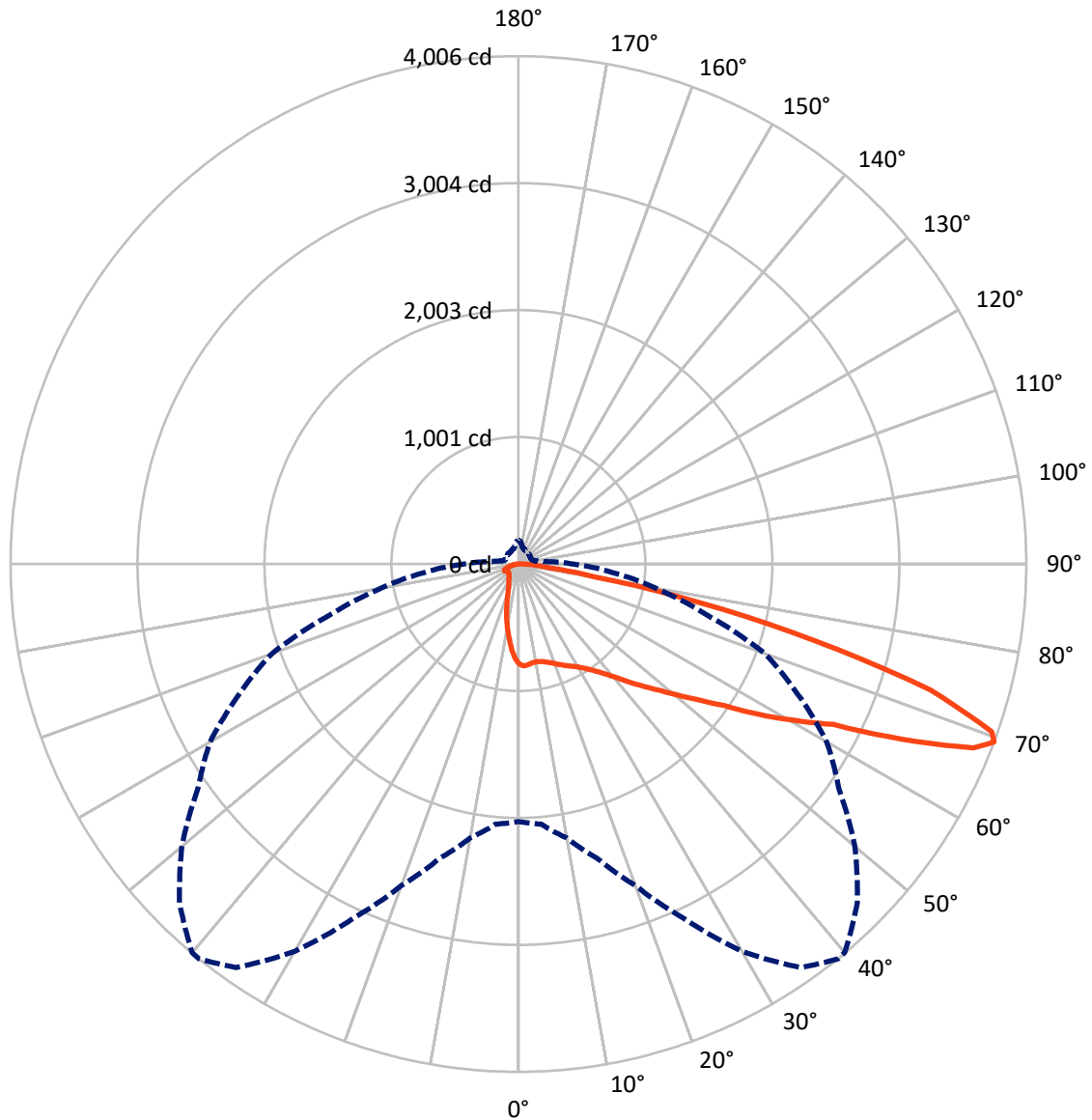
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P271664
CATALOG NUMBER: IST-AF-1000-LED-E1-SL4-7027

Luminous Intensity Polar Plot



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

REPORT NUMBER: P271664

CATALOG NUMBER: IST-AF-1000-LED-E1-SL4-7027

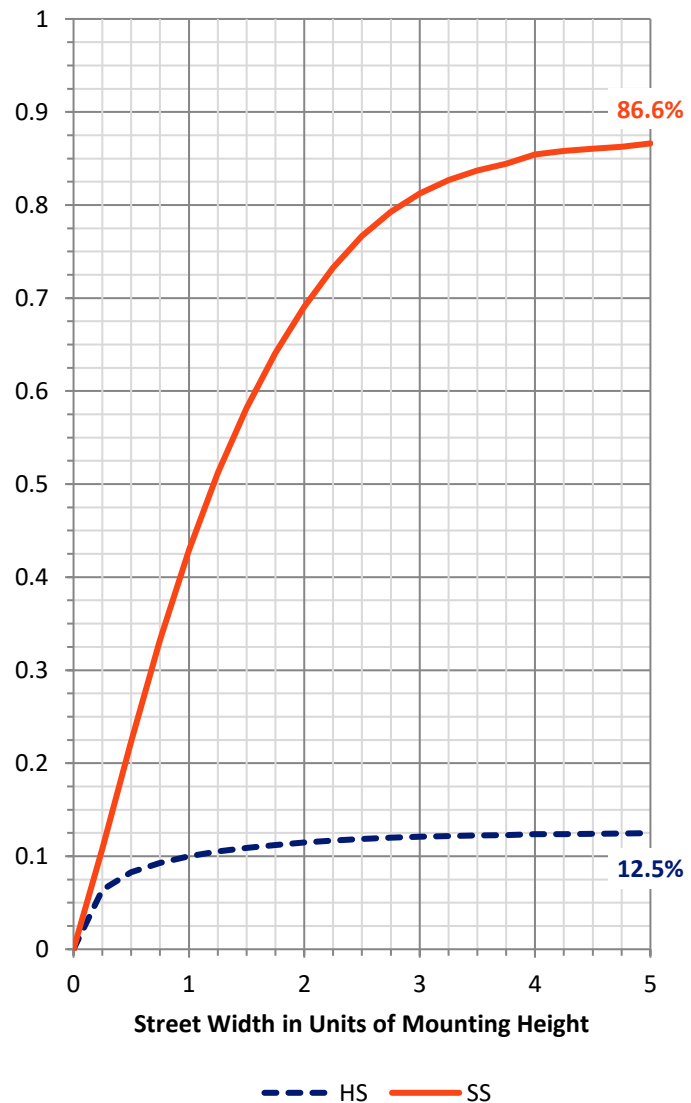
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	595.2	0.1	595.4
	% Fixture	12.7	0.0	12.7
Street Side	Lumens	4107.9	1.2	4109.1
	% Fixture	87.3	0.0	87.3
Total	Lumens	4703.2	1.3	4704.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.0	1.4
10°-20°	171.5	3.6
20°-30°	266.9	5.7
30°-40°	403.4	8.6
40°-50°	645.6	13.7
50°-60°	1014.7	21.6
60°-70°	1366.2	29.0
70°-80°	677.7	14.4
80°-90°	89.0	1.9
90°-100°	1.3	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°	4703.2	100.0
0°-180°	4704.5	100.0



REPORT NUMBER: P271664

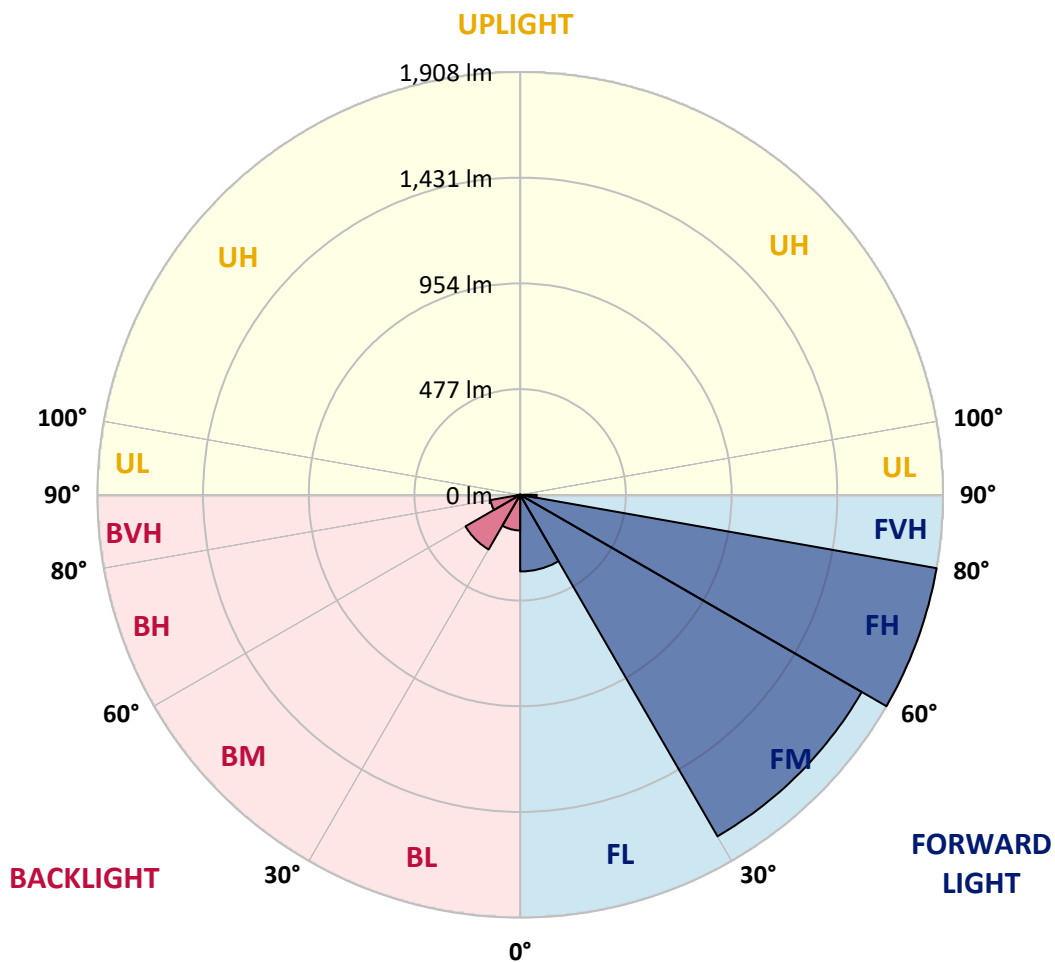
CATALOG NUMBER: IST-AF-1000-LED-E1-SL4-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	345.9	7.4			
FM	(30°-60°)	1779.4	37.8			
FH	(60°-80°)	1907.7	40.6			G2/5000
FVH	(80°-90°)	75.0	1.6			G1/100
BL	(0°-30°)	160.6	3.4	B1/500		
BM	(30°-60°)	284.4	6.0	B1/1000		
BH	(60°-80°)	136.2	2.9	B1/500		G1/500
BVH	(80°-90°)	14.0	0.3			G1/100
UL	(90°-100°)	1.3	0.0		U1/10	
UH	(100°-180°)	0.1	0.0		U1/10	

BUG Rating: B1-U1-G2

Type IV Short





REPORT NUMBER: P271664

CATALOG NUMBER: IST-AF-1000-LED-E1-SL4-7027

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	39°	40°	45°
0°	787.9	787.9	787.9	787.9	787.9	787.9	787.9	787.9	787.9	787.9	787.9
2.5°	807.0	807.8	807.8	808.6	805.5	805.5	806.3	803.3	804.7	804.1	800.2
5°	808.6	809.4	808.6	809.4	805.5	804.1	800.9	797.2	798.6	797.9	792.6
7.5°	804.7	805.5	804.1	804.7	800.2	797.2	792.6	789.5	787.2	786.5	779.5
10°	796.3	798.6	795.6	797.9	794.0	791.0	788.7	785.7	784.1	783.4	775.8
12.5°	784.1	785.7	786.5	789.5	789.5	790.3	790.3	787.9	788.7	787.9	781.9
15°	772.7	778.0	783.4	786.5	792.6	796.3	799.4	798.6	800.9	800.2	796.3
17.5°	772.7	777.2	786.5	796.3	807.8	813.1	817.7	817.7	818.4	817.0	810.9
20°	775.8	784.1	799.4	816.2	829.9	840.6	843.7	842.9	839.8	839.8	829.1
22.5°	800.9	806.3	823.0	841.4	860.5	871.2	872.0	869.6	863.5	862.0	849.1
25°	836.8	842.9	858.2	881.9	896.4	904.8	902.4	894.8	888.7	883.4	869.6
27.5°	892.6	897.1	912.4	928.5	936.8	939.9	930.7	920.0	913.1	910.9	892.6
30°	949.8	956.0	968.1	978.1	984.9	975.8	961.3	949.1	943.0	941.4	924.6
32.5°	1020.0	1020.8	1029.3	1031.5	1032.3	1017.0	997.2	985.7	983.5	980.4	967.4
35°	1084.3	1088.0	1086.5	1085.7	1078.9	1059.8	1043.0	1036.1	1033.8	1033.1	1022.3
37.5°	1141.5	1147.6	1143.7	1136.9	1128.5	1113.2	1095.7	1088.0	1095.7	1091.1	1093.3
40°	1197.2	1197.2	1192.6	1188.7	1178.8	1164.3	1158.3	1159.0	1171.2	1174.4	1177.4
42.5°	1245.3	1244.5	1240.0	1236.9	1235.3	1232.4	1229.3	1243.7	1267.5	1272.0	1278.8
45°	1298.1	1297.2	1279.6	1285.7	1296.4	1298.8	1309.5	1343.1	1372.0	1374.4	1388.9
47.5°	1349.2	1343.1	1326.3	1332.4	1362.9	1378.9	1396.4	1443.8	1484.3	1492.7	1533.1
50°	1402.6	1396.4	1378.2	1389.6	1432.3	1462.1	1503.3	1569.0	1624.8	1636.3	1688.9
52.5°	1458.3	1457.6	1443.0	1460.6	1513.4	1573.7	1638.5	1712.6	1780.5	1795.0	1873.0
55°	1525.5	1521.7	1515.6	1537.0	1611.8	1692.8	1794.3	1895.1	1969.2	1995.0	2073.7
57.5°	1601.0	1599.6	1600.3	1644.7	1734.8	1857.7	1982.1	2118.0	2240.1	2258.5	2331.8
60°	1666.7	1669.8	1687.4	1756.8	1869.9	2036.3	2211.2	2395.2	2503.6	2522.7	2594.5
62.5°	1746.9	1764.5	1803.4	1891.2	2024.2	2225.7	2452.5	2647.1	2786.8	2825.8	2961.7
65°	1939.4	1953.1	2025.7	2131.8	2301.3	2559.3	2819.7	3102.9	3333.5	3368.6	3485.5
67.5°	2079.8	2115.0	2228.8	2402.1	2647.1	2977.1	3334.3	3677.1	3871.9	3887.9	3806.2
69°	2031.0	2060.0	2194.4	2403.5	2699.0	3083.2	3527.5	3885.6	4005.5	4002.4	3780.2
70°	1956.1	1982.9	2131.0	2334.1	2655.5	3070.9	3530.6	3887.1	3959.5	3932.2	3677.9
72.5°	1638.5	1662.2	1801.1	2013.4	2324.9	2737.2	3170.2	3413.6	3398.5	3375.5	2955.6
75°	1023.1	1021.6	1143.0	1265.9	1508.0	1924.9	2247.0	2442.5	2411.2	2393.6	1897.4
77.5°	382.5	409.3	453.6	585.7	697.2	922.3	1182.7	1400.3	1460.6	1383.5	1021.6
80°	199.2	213.8	242.8	289.3	332.9	381.0	458.1	589.5	610.1	568.9	412.3
82.5°	157.3	174.8	203.8	243.6	274.2	255.7	241.3	249.7	248.1	236.7	209.9
85°	119.1	139.8	187.0	227.5	271.1	229.1	182.4	159.6	142.0	142.8	151.9
87.5°	59.6	77.2	147.3	198.5	236.0	151.9	119.1	92.3	77.2	74.1	99.3
90°	18.3	18.3	29.7	39.0	53.4	26.7	25.9	19.9	14.6	14.6	22.9
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: P271664

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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°	787.9	787.9	787.9	787.9	787.9	787.9	787.9	787.9	787.9	787.9	787.9
2.5°	797.2	797.2	795.6	794.8	792.6	789.5	787.2	783.4	781.1	777.2	772.7
5°	787.2	784.1	782.6	779.5	775.0	771.1	766.5	761.2	755.1	747.5	739.0
7.5°	774.2	769.7	764.3	762.8	757.5	752.8	747.5	739.8	731.5	717.7	707.1
10°	768.9	764.3	759.7	756.6	749.7	744.4	738.4	728.3	717.7	699.4	679.6
12.5°	774.2	769.7	765.1	759.7	753.6	747.5	739.0	726.9	712.4	688.7	664.3
15°	787.2	782.6	775.0	769.7	761.2	755.9	744.4	730.7	709.3	680.3	648.3
17.5°	801.6	794.8	787.9	779.5	771.9	765.1	752.8	735.3	708.5	674.2	632.9
20°	815.4	807.8	797.2	791.0	783.4	773.4	760.4	739.0	707.1	662.1	617.0
22.5°	831.5	821.6	810.1	803.3	797.2	788.7	773.4	746.0	707.1	655.1	598.6
25°	852.1	839.1	827.7	820.8	817.0	810.9	792.6	762.0	712.4	651.3	583.3
27.5°	876.6	859.7	849.8	845.2	844.5	839.8	821.6	783.4	724.7	651.3	568.9
30°	905.5	891.0	878.0	878.0	887.3	884.1	863.5	816.2	743.7	653.6	558.2
32.5°	946.0	931.5	923.9	931.5	941.4	944.5	920.9	862.8	775.0	664.3	547.4
35°	1005.6	996.4	991.1	1002.5	1022.3	1030.0	1001.0	932.4	820.8	684.9	541.4
37.5°	1084.3	1077.3	1070.5	1090.4	1127.7	1143.0	1101.1	1012.4	886.4	719.3	538.3
40°	1174.4	1175.1	1182.7	1222.4	1258.3	1290.3	1243.1	1133.8	976.5	768.1	541.4
42.5°	1281.3	1289.6	1315.6	1370.5	1440.1	1465.1	1419.4	1280.4	1088.7	826.9	549.0
45°	1414.0	1436.2	1480.5	1562.2	1646.1	1685.1	1620.3	1465.1	1230.0	920.9	570.3
47.5°	1555.2	1604.1	1679.0	1778.3	1876.0	1901.2	1821.0	1632.4	1368.3	1004.0	603.2
50°	1736.2	1795.8	1870.6	1989.7	2093.6	2108.8	2002.7	1787.4	1488.9	1076.6	634.6
52.5°	1904.9	1986.0	2081.4	2219.5	2324.9	2305.9	2168.4	1925.6	1584.3	1126.1	652.1
55°	2135.6	2219.5	2327.1	2447.8	2552.4	2506.6	2318.9	2043.1	1660.7	1162.9	657.4
57.5°	2399.0	2463.2	2568.5	2692.2	2760.9	2682.2	2466.9	2157.7	1733.2	1163.7	615.4
60°	2657.8	2732.6	2848.7	2970.2	3008.2	2872.4	2570.1	2175.2	1661.4	1038.4	492.5
62.5°	3041.1	3116.7	3175.5	3195.3	3126.6	2853.3	2450.1	1989.7	1432.3	819.3	348.9
65°	3469.4	3383.9	3270.2	3163.3	2976.3	2560.9	2112.6	1634.6	1111.7	547.4	240.5
67.5°	3581.7	3321.3	3073.9	2835.7	2486.8	2039.4	1593.4	1149.9	713.2	311.5	163.4
69°	3464.9	3084.6	2809.0	2431.0	2070.6	1526.3	1098.0	736.8	426.1	216.9	136.6
70°	3251.1	2855.6	2482.3	2077.5	1604.1	1165.9	730.0	482.6	277.9	158.0	122.9
72.5°	2453.2	1961.4	1511.8	981.8	598.6	332.1	233.6	167.3	132.1	116.0	105.4
75°	1418.6	944.5	618.4	329.9	195.5	145.1	126.8	113.0	104.7	100.8	91.6
77.5°	598.6	374.1	253.5	185.5	131.3	112.3	97.7	90.1	89.3	87.0	78.6
80°	272.5	233.6	199.2	139.8	100.0	85.5	74.8	73.3	74.8	72.5	64.0
82.5°	202.4	199.2	166.5	107.7	76.4	57.2	46.6	48.9	55.0	59.6	51.9
85°	168.7	168.7	139.8	80.2	50.3	36.7	35.9	40.4	45.8	49.7	42.0
87.5°	155.0	148.8	80.2	41.2	29.0	23.6	22.2	19.9	19.9	34.3	29.0
90°	15.3	6.8	3.9	3.1	3.9	3.1	4.6	3.9	3.9	3.9	3.9
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: P271664

CATALOG NUMBER: IST-AF-1000-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: P271664

CATALOG NUMBER: IST-AF-1000-LED-E1-SL4-7027

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	787.9	787.9	787.9	787.9	787.9	787.9	787.9	787.9	787.9	787.9	787.9
2.5°	768.9	765.9	758.2	756.6	754.4	751.3	750.5	746.7	739.0	737.6	738.4
5°	733.7	721.5	713.2	706.2	700.9	687.1	681.8	675.7	665.0	662.1	657.4
7.5°	692.5	678.0	661.2	648.9	634.6	620.0	608.5	594.0	582.6	575.7	563.5
10°	660.4	640.6	618.4	594.0	574.9	552.7	538.3	521.5	503.2	486.3	474.1
12.5°	636.0	608.5	576.4	547.4	520.0	496.3	470.4	446.6	423.8	400.8	381.0
15°	616.1	581.8	541.4	504.7	471.1	435.9	406.9	374.1	345.1	325.3	300.0
17.5°	594.8	550.5	502.4	459.7	416.2	379.4	342.8	308.5	281.0	255.0	234.4
20°	568.9	515.4	463.4	413.8	364.3	322.2	284.9	252.0	225.3	204.6	189.4
22.5°	539.8	477.2	416.9	362.6	313.1	271.7	236.7	212.3	192.3	181.0	176.3
25°	511.6	439.8	371.9	312.3	262.7	227.5	203.8	183.3	173.4	168.7	168.7
27.5°	485.6	401.6	326.1	268.1	219.8	192.3	174.1	165.6	161.1	161.1	163.4
30°	461.2	363.5	282.4	223.7	185.5	164.9	155.0	151.9	152.7	155.8	158.8
32.5°	432.9	326.8	245.1	192.3	161.1	147.3	139.8	140.5	144.3	149.7	155.0
35°	403.1	287.9	212.3	168.7	144.3	133.6	129.1	129.7	135.1	142.0	147.3
37.5°	376.4	256.6	187.0	150.5	132.1	125.2	121.5	122.2	126.0	134.4	141.2
40°	349.7	229.9	166.5	139.8	125.2	118.4	116.0	115.3	118.4	126.0	134.4
42.5°	326.8	206.9	154.1	132.1	120.6	114.5	111.5	111.5	113.0	119.1	127.5
45°	313.1	193.1	145.9	126.8	116.8	111.5	108.4	106.9	109.1	113.0	120.6
47.5°	313.1	186.3	140.5	122.9	113.7	109.1	105.4	104.7	105.4	109.1	116.8
50°	323.7	187.8	139.8	121.5	112.3	106.1	102.2	102.2	103.8	109.1	115.3
52.5°	332.9	190.9	142.0	122.9	112.3	104.7	100.0	99.3	101.6	106.9	112.3
55°	331.4	190.9	144.3	125.2	114.5	105.4	99.3	98.5	100.0	105.4	110.7
57.5°	296.2	179.4	142.0	126.8	117.6	109.1	103.0	100.8	102.2	106.9	111.5
60°	239.8	159.6	135.9	126.8	122.2	116.0	110.0	108.4	109.1	113.7	119.1
62.5°	187.8	142.0	128.3	126.0	124.4	121.5	119.1	117.6	117.6	121.5	126.0
65°	152.7	128.3	122.2	122.9	124.4	123.7	122.9	122.2	122.2	124.4	129.1
67.5°	127.5	115.3	113.7	116.0	117.6	118.4	119.1	118.4	119.1	121.5	126.8
69°	116.0	108.4	106.9	108.4	111.5	112.3	113.7	113.0	113.7	116.0	121.5
70°	109.1	103.0	101.6	103.8	106.1	106.9	108.4	107.7	108.4	110.7	116.0
72.5°	94.7	87.9	85.5	87.0	89.3	89.3	91.6	92.3	90.9	91.6	95.4
75°	80.9	73.3	69.5	70.2	70.2	70.2	71.8	71.8	70.2	69.5	70.2
77.5°	67.9	59.6	55.0	55.0	55.0	54.2	51.9	52.7	53.4	52.7	53.4
80°	53.4	46.6	42.0	42.0	42.0	40.4	39.7	39.7	41.2	42.8	42.0
82.5°	41.2	34.3	32.1	31.4	31.4	29.7	29.7	31.4	30.5	31.4	32.9
85°	29.7	24.4	22.2	22.9	22.2	20.6	21.4	23.6	23.6	22.9	24.4
87.5°	18.3	15.3	14.6	15.3	13.7	11.5	10.7	11.5	12.9	12.1	13.7
90°	2.2	1.5	1.5	1.5	2.2	1.5	1.5	1.5	2.2	2.2	1.5
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: P271664
 CATALOG NUMBER: IST-AF-1000-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: P271664
 NUMBER: IST-AF-1000-LED-E1-SL4-7027

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

160°	165°	170°	175°	180°
787.9	787.9	787.9	787.9	787.9
732.9	735.3	725.3	730.0	726.9
652.8	648.9	648.3	645.9	641.4
558.8	555.8	546.7	549.8	542.8
461.9	461.2	444.4	445.1	436.8
372.5	358.9	352.0	342.1	347.5
288.6	277.1	262.7	258.8	264.2
217.6	206.1	199.2	193.1	190.9
180.2	173.4	169.5	167.3	165.6
174.1	172.6	171.8	170.3	169.5
170.3	171.8	171.8	171.8	170.3
166.5	169.5	170.3	169.5	167.9
162.6	164.9	164.9	164.2	161.9
157.3	159.6	159.6	158.8	157.3
151.2	152.7	153.5	153.5	154.1
146.6	148.1	149.7	151.2	153.5
141.2	143.5	144.3	147.3	150.5
134.4	137.4	139.0	141.2	144.3
127.5	131.3	132.1	135.1	138.2
124.4	127.5	127.5	129.7	132.1
120.6	122.2	121.5	122.9	123.7
116.8	118.4	117.6	119.1	119.8
113.7	115.3	116.8	118.4	119.1
115.3	117.6	118.4	120.6	121.5
122.2	125.2	128.3	131.3	133.6
129.1	132.9	139.8	153.5	158.8
132.9	138.2	154.1	178.0	184.8
130.5	137.4	156.6	181.6	190.1
126.0	131.3	151.9	178.0	185.5
119.8	125.2	145.9	174.1	181.0
96.9	100.0	122.9	149.7	154.1
71.0	73.3	90.9	101.6	100.8
55.0	58.0	64.0	64.9	64.0
43.5	45.1	48.1	48.1	48.9
33.6	34.3	35.9	34.3	33.6
25.2	24.4	23.6	22.9	22.2
14.6	14.6	12.1	10.7	9.9
1.5	2.2	2.2	1.5	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

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

