

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: P271784

Luminaire Tested: **ISW-AF-800-LED-E1-SL4-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271784
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: ISW-AF-800-LED-E1-SL4-7027
Description: IMPACT ELITE LED WEDGE 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: 3980.1 lumens
Efficiency: N/A
Efficacy: 91.5 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 - G1

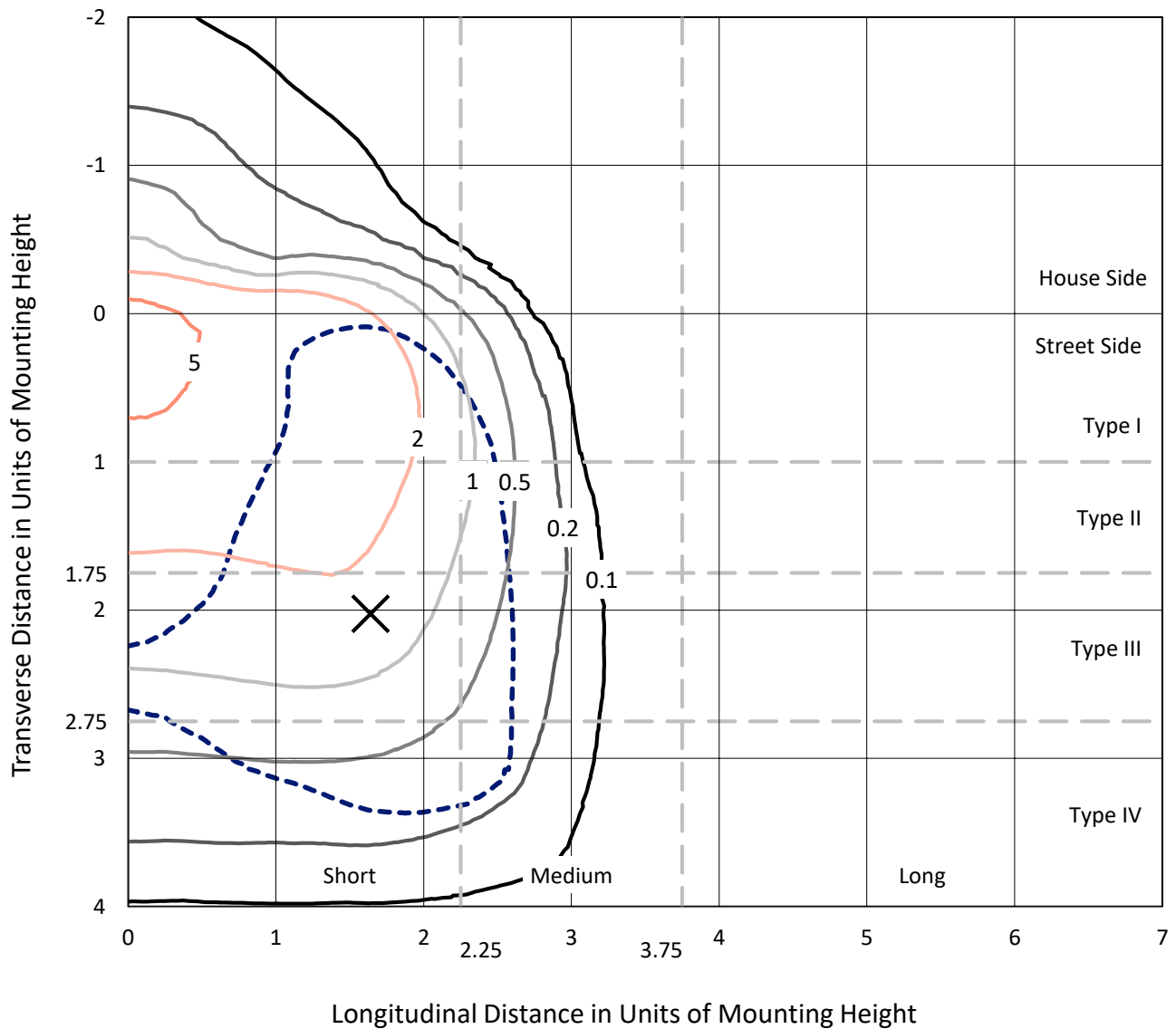
Input Watts (W): 43.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

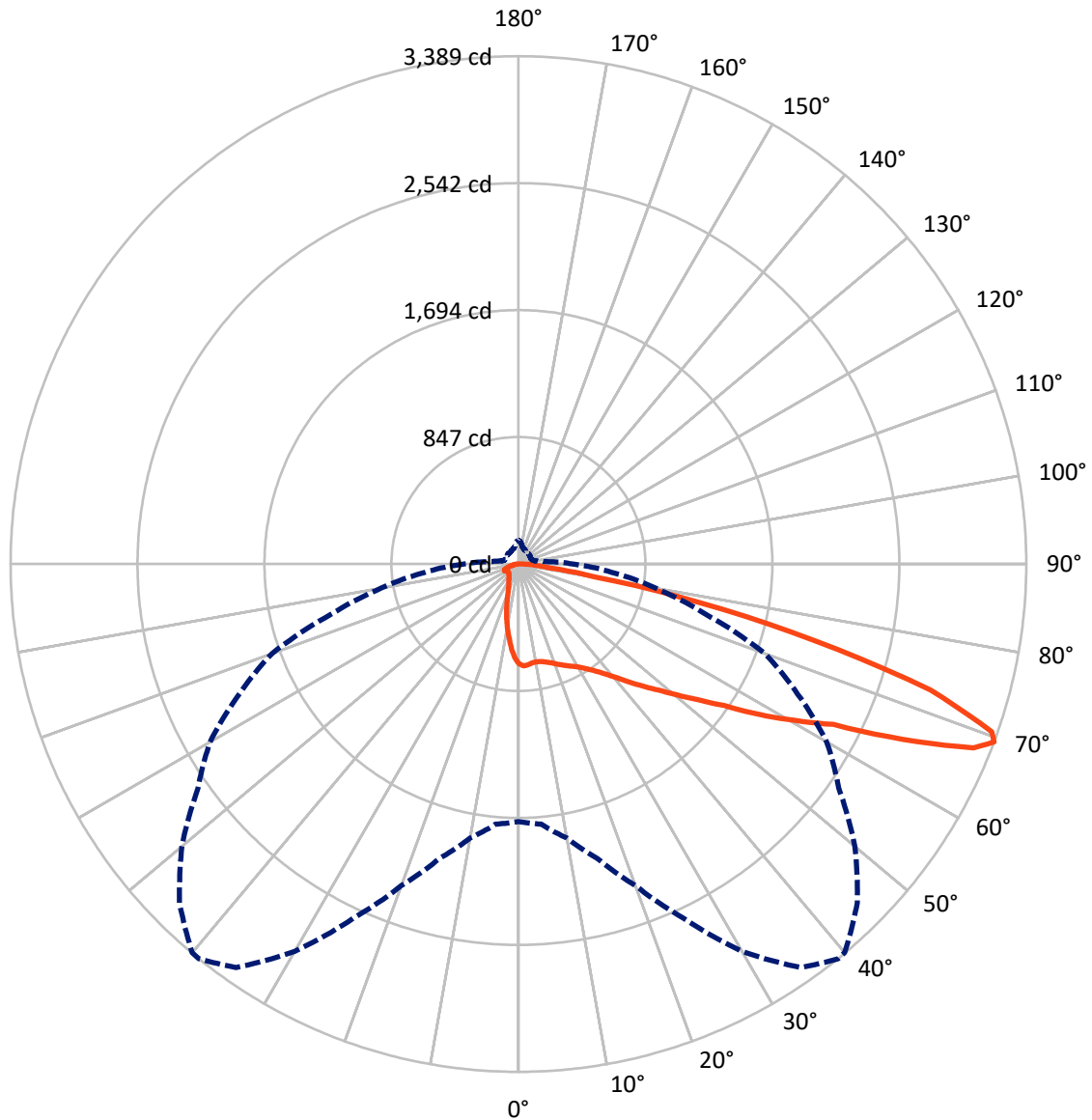
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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

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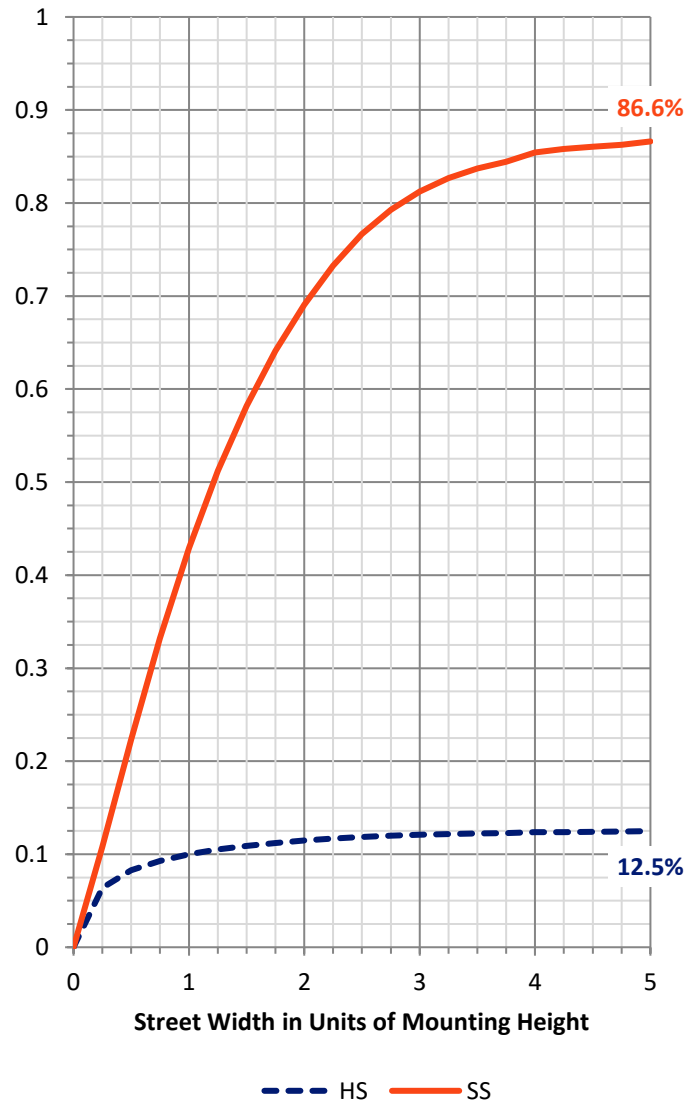
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	503.6	0.1	503.7
	% Fixture	12.7	0.0	12.7
Street Side	Lumens	3475.4	1.0	3476.4
	% Fixture	87.3	0.0	87.3
Total	Lumens	3979.0	1.1	3980.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.5	1.4
10°-20°	145.1	3.6
20°-30°	225.8	5.7
30°-40°	341.3	8.6
40°-50°	546.2	13.7
50°-60°	858.4	21.6
60°-70°	1155.9	29.0
70°-80°	573.3	14.4
80°-90°	75.3	1.9
90°-100°	1.1	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°	3979.0	100.0
0°-180°	3980.1	100.0



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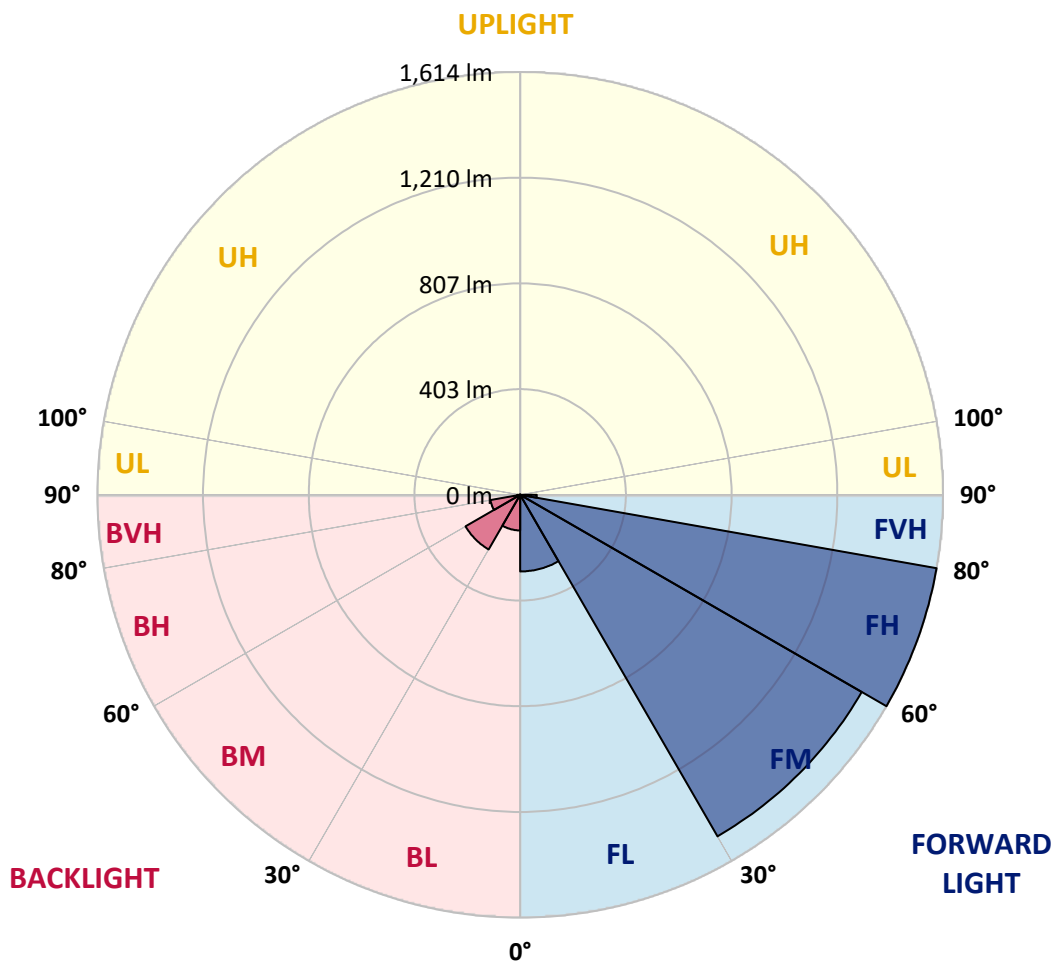
CATALOG NUMBER: ISW-AF-800-LED-E1-SL4-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	292.6	7.4			
FM	(30°-60°)	1505.4	37.8			
FH	(60°-80°)	1613.9	40.6			G1/1800
FVH	(80°-90°)	63.4	1.6			G1/100
BL	(0°-30°)	135.9	3.4	B1/500		
BM	(30°-60°)	240.6	6.0	B1/1000		
BH	(60°-80°)	115.3	2.9	B1/500		G1/500
BVH	(80°-90°)	11.9	0.3			G1/100
UL	(90°-100°)	1.1	0.0		U1/10	
UH	(100°-180°)	0.1	0.0		U1/10	

BUG Rating: B1-U1-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	39°	40°	45°
0°	666.6	666.6	666.6	666.6	666.6	666.6	666.6	666.6	666.6	666.6	666.6
2.5°	682.8	683.4	683.4	684.1	681.5	681.5	682.2	679.6	680.8	680.2	677.0
5°	684.1	684.7	684.1	684.7	681.5	680.2	677.6	674.4	675.6	675.1	670.5
7.5°	680.8	681.5	680.2	680.8	677.0	674.4	670.5	667.9	665.9	665.4	659.5
10°	673.7	675.6	673.1	675.1	671.8	669.1	667.4	664.7	663.4	662.8	656.3
12.5°	663.4	664.7	665.4	667.9	667.9	668.6	668.6	666.6	667.4	666.6	661.4
15°	653.7	658.2	662.8	665.4	670.5	673.7	676.3	675.6	677.6	677.0	673.7
17.5°	653.7	657.6	665.4	673.7	683.4	687.9	691.9	691.9	692.4	691.2	685.9
20°	656.3	663.4	676.3	690.5	702.1	711.2	713.7	713.2	710.6	710.6	701.5
22.5°	677.6	682.2	696.4	711.9	728.0	737.0	737.7	735.7	730.6	729.2	718.4
25°	708.0	713.2	726.0	746.1	758.3	765.4	763.5	757.0	751.9	747.4	735.7
27.5°	755.1	759.0	771.9	785.5	792.6	795.2	787.5	778.4	772.5	770.7	755.1
30°	803.5	808.7	819.1	827.5	833.3	825.5	813.2	802.9	797.8	796.4	782.2
32.5°	863.0	863.6	870.7	872.6	873.3	860.4	843.6	834.0	832.0	829.5	818.4
35°	917.3	920.5	919.1	918.6	912.8	896.6	882.3	876.6	874.6	874.1	864.9
37.5°	965.7	970.9	967.7	961.8	954.7	941.9	926.9	920.5	926.9	923.1	925.1
40°	1012.9	1012.9	1009.0	1005.7	997.4	985.1	979.9	980.6	990.9	993.4	996.1
42.5°	1053.5	1052.9	1049.0	1046.4	1045.2	1042.6	1040.0	1052.3	1072.3	1076.2	1082.0
45°	1098.1	1097.5	1082.5	1087.8	1096.8	1098.8	1107.8	1136.3	1160.8	1162.8	1175.1
47.5°	1141.4	1136.3	1122.1	1127.2	1153.1	1166.6	1181.5	1221.4	1255.7	1262.8	1297.1
50°	1186.6	1181.5	1165.9	1175.6	1211.8	1237.0	1271.9	1327.4	1374.6	1384.3	1428.8
52.5°	1233.7	1233.1	1220.9	1235.7	1280.3	1331.3	1386.3	1448.9	1506.4	1518.7	1584.5
55°	1290.7	1287.5	1282.2	1300.3	1363.5	1432.1	1518.0	1603.3	1665.9	1687.8	1754.4
57.5°	1354.6	1353.3	1353.9	1391.4	1467.7	1571.7	1676.9	1791.8	1895.2	1910.8	1972.8
60°	1410.1	1412.8	1427.6	1486.3	1581.9	1722.8	1870.7	2026.4	2118.0	2134.2	2195.0
62.5°	1477.9	1492.8	1525.7	1600.0	1712.3	1882.9	2074.7	2239.6	2357.7	2390.7	2505.6
65°	1640.8	1652.3	1713.7	1803.4	1946.9	2165.3	2385.4	2625.2	2820.2	2850.0	2948.8
67.5°	1759.6	1789.2	1885.5	2032.1	2239.6	2518.6	2820.9	3110.9	3275.6	3289.2	3220.1
69°	1718.3	1742.8	1856.4	2033.4	2283.4	2608.4	2984.3	3287.3	3388.7	3386.1	3198.1
70°	1654.9	1677.6	1802.9	1974.7	2246.6	2598.0	2986.9	3288.5	3349.9	3326.6	3111.5
72.5°	1386.3	1406.3	1523.9	1703.4	1966.9	2315.7	2682.0	2888.1	2875.1	2855.7	2500.5
75°	865.6	864.3	966.9	1071.0	1275.8	1628.4	1901.0	2066.4	2039.9	2025.0	1605.2
77.5°	323.6	346.3	383.7	495.4	589.7	780.3	1000.6	1184.7	1235.7	1170.5	864.3
80°	168.6	180.9	205.4	244.8	281.6	322.3	387.6	498.6	516.2	481.2	348.8
82.5°	133.1	148.0	172.5	206.0	231.9	216.4	204.2	211.2	209.9	200.2	177.7
85°	100.8	118.1	158.2	192.5	229.2	193.8	154.4	135.0	120.1	120.8	128.5
87.5°	50.3	65.3	124.7	167.9	199.6	128.5	100.8	78.2	65.3	62.6	84.0
90°	15.5	15.5	25.2	33.0	45.3	22.5	22.0	16.8	12.3	12.3	19.3
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



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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°	666.6	666.6	666.6	666.6	666.6	666.6	666.6	666.6	666.6	666.6	666.6
2.5°	674.4	674.4	673.1	672.4	670.5	667.9	665.9	662.8	660.8	657.6	653.7
5°	665.9	663.4	662.1	659.5	655.7	652.3	648.6	644.1	638.9	632.4	625.3
7.5°	655.0	651.1	646.6	645.3	640.9	636.9	632.4	625.8	618.8	607.3	598.1
10°	650.5	646.6	642.6	640.1	634.3	629.8	624.6	616.2	607.3	591.7	574.8
12.5°	655.0	651.1	647.3	642.6	637.5	632.4	625.3	614.9	602.7	582.6	562.0
15°	665.9	662.1	655.7	651.1	644.1	639.5	629.8	618.1	600.1	575.5	548.4
17.5°	678.2	672.4	666.6	659.5	653.1	647.3	636.9	622.1	599.5	570.3	535.5
20°	689.9	683.4	674.4	669.1	662.8	654.3	643.4	625.3	598.1	560.0	521.9
22.5°	703.5	695.1	685.4	679.6	674.4	667.4	654.3	631.1	598.1	554.3	506.5
25°	720.9	709.9	700.2	694.4	691.2	685.9	670.5	644.6	602.7	551.0	493.5
27.5°	741.6	727.4	718.9	715.1	714.4	710.6	695.1	662.8	613.0	551.0	481.2
30°	766.2	753.8	742.9	742.9	750.6	748.0	730.6	690.5	629.2	553.0	472.1
32.5°	800.3	788.0	781.5	788.0	796.4	799.0	779.0	730.0	655.7	562.0	463.2
35°	850.8	843.0	838.5	848.1	864.9	871.4	846.8	788.7	694.4	579.5	458.0
37.5°	917.3	911.4	905.6	922.4	954.1	966.9	931.5	856.5	749.9	608.5	455.4
40°	993.4	994.2	1000.6	1034.2	1064.5	1091.7	1051.6	959.2	826.2	649.8	458.0
42.5°	1084.0	1091.0	1113.0	1159.5	1218.3	1239.6	1200.9	1083.3	921.1	699.6	464.4
45°	1196.4	1215.0	1252.5	1321.7	1392.7	1425.6	1370.7	1239.6	1040.7	779.0	482.5
47.5°	1315.7	1357.2	1420.5	1504.4	1587.1	1608.4	1540.6	1381.1	1157.6	849.4	510.2
50°	1468.9	1519.2	1582.5	1683.3	1771.2	1784.1	1694.3	1512.2	1259.6	910.8	536.7
52.5°	1611.6	1680.1	1760.9	1877.7	1966.9	1950.8	1834.5	1629.1	1340.3	952.8	551.6
55°	1806.7	1877.7	1968.8	2071.0	2159.4	2120.7	1961.8	1728.6	1404.9	983.7	556.2
57.5°	2029.6	2083.9	2173.0	2277.7	2335.8	2269.2	2087.1	1825.4	1466.3	984.5	520.7
60°	2248.5	2311.9	2410.1	2512.8	2545.1	2430.1	2174.3	1840.3	1405.6	878.5	416.6
62.5°	2572.8	2636.7	2686.5	2703.3	2645.1	2413.9	2072.9	1683.3	1211.8	693.1	295.3
65°	2935.2	2862.9	2766.6	2676.2	2517.9	2166.5	1787.4	1383.0	940.5	463.2	203.5
67.5°	3030.2	2809.9	2600.6	2399.0	2103.9	1725.4	1348.1	972.9	603.3	263.6	138.2
69°	2931.3	2609.7	2376.5	2056.7	1751.9	1291.2	928.8	623.3	360.4	183.4	115.6
70°	2750.5	2415.8	2100.0	1757.6	1357.2	986.4	617.6	408.2	235.2	133.7	104.0
72.5°	2075.4	1659.5	1279.0	830.8	506.5	281.0	197.6	141.4	111.7	98.2	89.1
75°	1200.1	799.0	523.3	279.0	165.4	122.7	107.3	95.6	88.6	85.2	77.5
77.5°	506.5	316.6	214.4	156.9	111.1	95.0	82.6	76.3	75.5	73.6	66.6
80°	230.7	197.6	168.6	118.1	84.6	72.3	63.3	62.1	63.3	61.4	54.3
82.5°	171.1	168.6	140.9	91.1	64.6	48.5	39.3	41.3	46.5	50.3	43.9
85°	142.7	142.7	118.1	67.8	42.6	31.0	30.4	34.2	38.8	42.0	35.6
87.5°	131.2	125.9	67.8	34.9	24.5	20.0	18.8	16.8	16.8	29.0	24.5
90°	12.9	5.7	3.2	2.5	3.2	2.5	3.9	3.2	3.2	3.2	3.2
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: P271784

CATALOG NUMBER: ISW-AF-800-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: P271784

CATALOG NUMBER: ISW-AF-800-LED-E1-SL4-7027

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	666.6	666.6	666.6	666.6	666.6	666.6	666.6	666.6	666.6	666.6	666.6
2.5°	650.5	647.9	641.4	640.1	638.2	635.6	635.0	631.8	625.3	624.1	624.6
5°	620.8	610.4	603.3	597.6	593.0	581.3	576.8	571.7	562.6	560.0	556.2
7.5°	585.9	573.6	559.4	549.0	536.7	524.5	514.8	502.5	492.9	487.0	476.7
10°	558.7	541.9	523.3	502.5	486.4	467.7	455.4	441.2	425.7	411.4	401.1
12.5°	538.1	514.8	487.7	463.2	439.9	419.9	397.9	377.8	358.5	339.1	322.3
15°	521.3	492.2	458.0	427.0	398.6	368.8	344.3	316.6	291.9	275.2	253.8
17.5°	503.2	465.7	425.1	388.9	352.0	321.1	290.1	261.0	237.7	215.8	198.3
20°	481.2	435.9	392.1	350.1	308.1	272.5	240.9	213.2	190.6	173.1	160.2
22.5°	456.7	403.7	352.7	306.8	264.8	230.0	200.2	179.6	162.9	153.1	149.2
25°	432.8	372.1	314.6	264.2	222.2	192.5	172.5	155.0	146.6	142.7	142.7
27.5°	410.9	339.8	275.8	226.7	185.9	162.9	147.3	140.1	136.4	136.4	138.2
30°	390.1	307.5	238.9	189.3	156.9	139.6	131.2	128.5	129.2	131.8	134.4
32.5°	366.3	276.5	207.4	162.9	136.4	124.7	118.1	118.8	122.1	126.6	131.2
35°	341.1	243.5	179.6	142.7	122.1	113.1	109.1	109.9	114.4	120.1	124.7
37.5°	318.4	217.0	158.2	127.3	111.7	105.9	102.7	103.3	106.6	113.6	119.6
40°	295.8	194.4	140.9	118.1	105.9	100.1	98.2	97.6	100.1	106.6	113.6
42.5°	276.5	175.1	130.4	111.7	102.0	96.8	94.3	94.3	95.6	100.8	107.9
45°	264.8	163.4	123.3	107.3	98.8	94.3	91.8	90.4	92.3	95.6	102.0
47.5°	264.8	157.7	118.8	104.0	96.3	92.3	89.1	88.6	89.1	92.3	98.8
50°	273.9	158.9	118.1	102.7	95.0	89.8	86.6	86.6	87.9	92.3	97.6
52.5°	281.6	161.4	120.1	104.0	95.0	88.6	84.6	84.0	85.9	90.4	95.0
55°	280.3	161.4	122.1	105.9	96.8	89.1	84.0	83.4	84.6	89.1	93.6
57.5°	250.6	151.8	120.1	107.3	99.5	92.3	87.1	85.2	86.6	90.4	94.3
60°	202.8	135.0	114.9	107.3	103.3	98.2	93.1	91.8	92.3	96.3	100.8
62.5°	158.9	120.1	108.5	106.6	105.3	102.7	100.8	99.5	99.5	102.7	106.6
65°	129.2	108.5	103.3	104.0	105.3	104.7	104.0	103.3	103.3	105.3	109.1
67.5°	107.9	97.6	96.3	98.2	99.5	100.1	100.8	100.1	100.8	102.7	107.3
69°	98.2	91.8	90.4	91.8	94.3	95.0	96.3	95.6	96.3	98.2	102.7
70°	92.3	87.1	85.9	87.9	89.8	90.4	91.8	91.1	91.8	93.6	98.2
72.5°	80.1	74.3	72.3	73.6	75.5	75.5	77.5	78.2	76.9	77.5	80.8
75°	68.5	62.1	58.7	59.4	59.4	59.4	60.7	60.7	59.4	58.7	59.4
77.5°	57.5	50.3	46.5	46.5	46.5	45.8	43.9	44.6	45.3	44.6	45.3
80°	45.3	39.3	35.6	35.6	35.6	34.2	33.6	33.6	34.9	36.2	35.6
82.5°	34.9	29.0	27.1	26.5	26.5	25.2	25.2	26.5	25.8	26.5	27.8
85°	25.2	20.8	18.8	19.3	18.8	17.4	18.1	20.0	20.0	19.3	20.8
87.5°	15.5	12.9	12.3	12.9	11.6	9.7	9.1	9.7	11.0	10.3	11.6
90°	2.0	1.3	1.3	1.3	2.0	1.3	1.3	1.3	2.0	2.0	1.3
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: P271784
 CATALOG NUMBER: ISW-AF-800-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: P271784
 NUMBER: ISW-AF-800-LED-E1-SL4-7027

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

160°	165°	170°	175°	180°
666.6	666.6	666.6	666.6	666.6
620.1	622.1	613.6	617.6	614.9
552.3	549.0	548.4	546.5	542.6
472.9	470.3	462.4	465.1	459.2
390.9	390.1	375.9	376.6	369.6
315.2	303.5	297.8	289.3	293.9
244.2	234.5	222.2	219.0	223.5
184.2	174.5	168.6	163.4	161.4
152.4	146.6	143.4	141.4	140.1
147.3	146.0	145.3	144.1	143.4
144.1	145.3	145.3	145.3	144.1
140.9	143.4	144.1	143.4	142.1
137.6	139.6	139.6	138.9	136.9
133.1	135.0	135.0	134.4	133.1
127.9	129.2	129.9	129.9	130.4
124.1	125.3	126.6	127.9	129.9
119.6	121.5	122.1	124.7	127.3
113.6	116.3	117.6	119.6	122.1
107.9	111.1	111.7	114.4	116.9
105.3	107.9	107.9	109.9	111.7
102.0	103.3	102.7	104.0	104.7
98.8	100.1	99.5	100.8	101.4
96.3	97.6	98.8	100.1	100.8
97.6	99.5	100.1	102.0	102.7
103.3	105.9	108.5	111.1	113.1
109.1	112.4	118.1	129.9	134.4
112.4	116.9	130.4	150.5	156.3
110.4	116.3	132.4	153.7	160.9
106.6	111.1	128.5	150.5	156.9
101.4	105.9	123.3	147.3	153.1
82.0	84.6	104.0	126.6	130.4
60.1	62.1	76.9	85.9	85.2
46.5	49.0	54.3	54.9	54.3
36.8	38.1	40.7	40.7	41.3
28.5	29.0	30.4	29.0	28.5
21.3	20.8	20.0	19.3	18.8
12.3	12.3	10.3	9.1	8.4
1.3	2.0	2.0	1.3	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	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	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

