

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: P271782

Luminaire Tested: **ISW-AF-800-LED-E1-SL2-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271782
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: ISW-AF-800-LED-E1-SL2-7027
Description: IMPACT ELITE LED WEDGE LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II W/SPILL CONTROL
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4299.1 lumens
Efficiency: N/A
Efficacy: 98.8 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

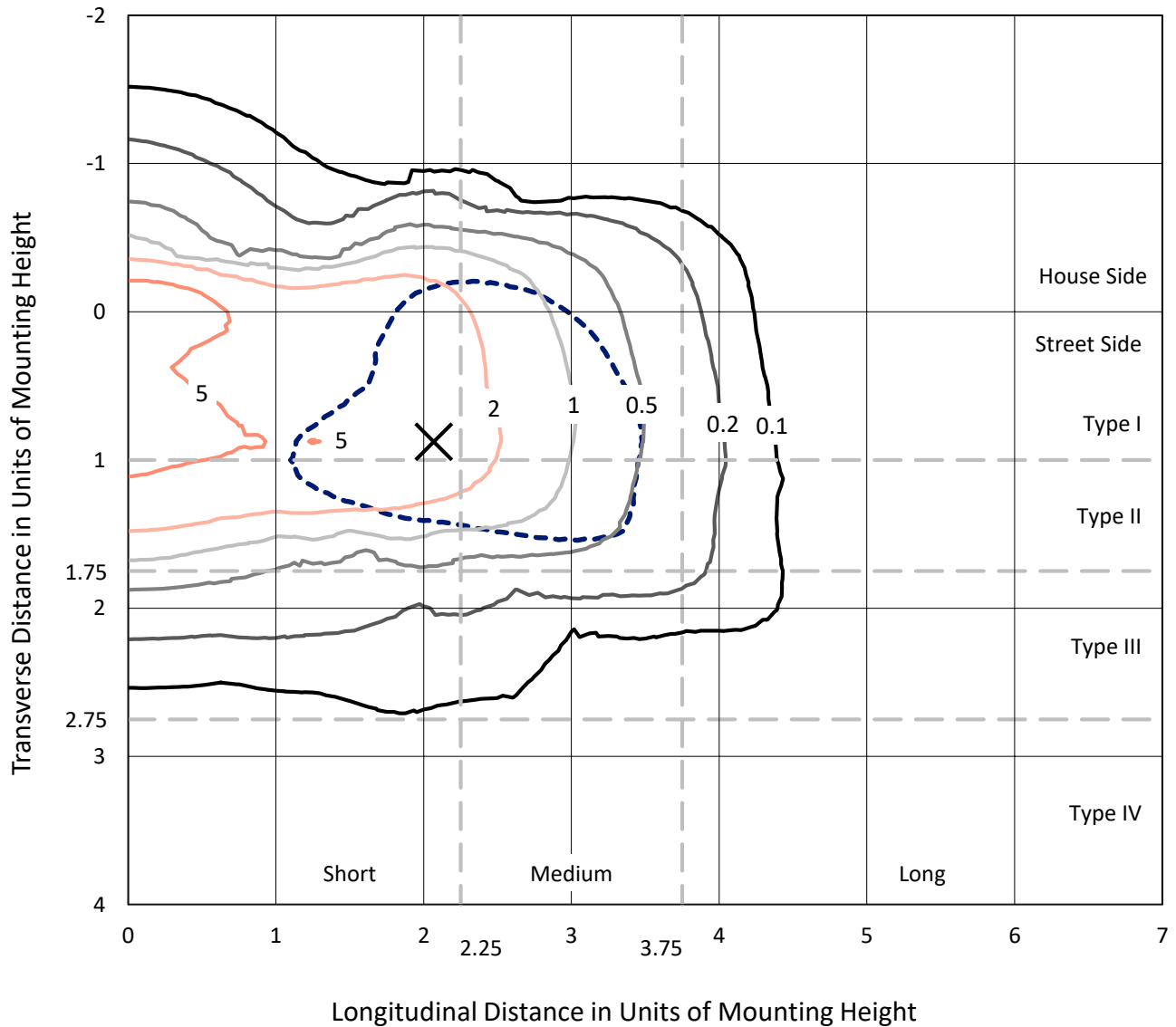
Input Watts (W): 43.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P271782
 CATALOG NUMBER: ISW-AF-800-LED-E1-SL2-7027

Iso-Footcandle Lines of Horizontal Illumination

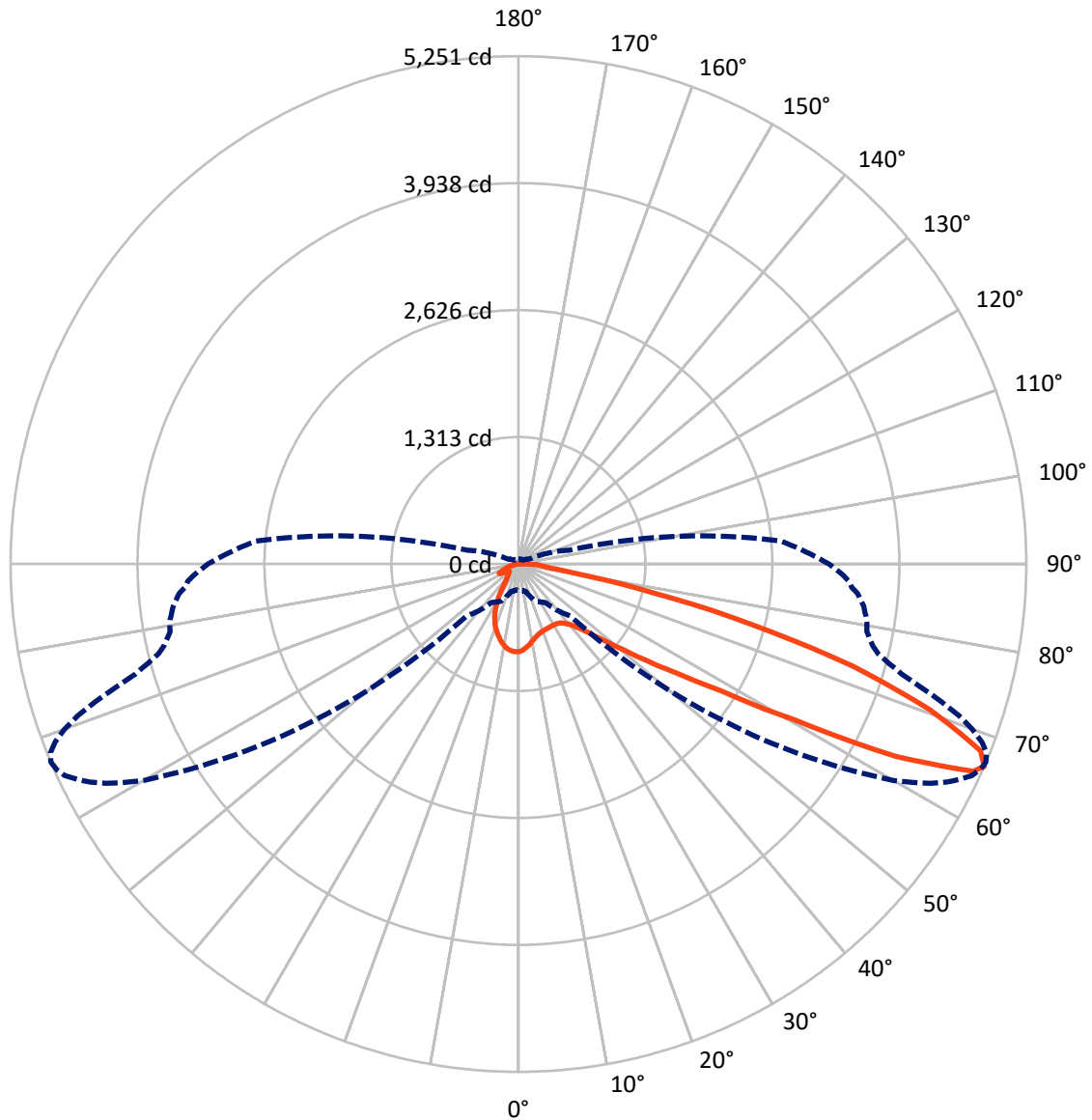
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9 fc
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P271782
CATALOG NUMBER: ISW-AF-800-LED-E1-SL2-7027

Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P271782

CATALOG NUMBER: ISW-AF-800-LED-E1-SL2-7027

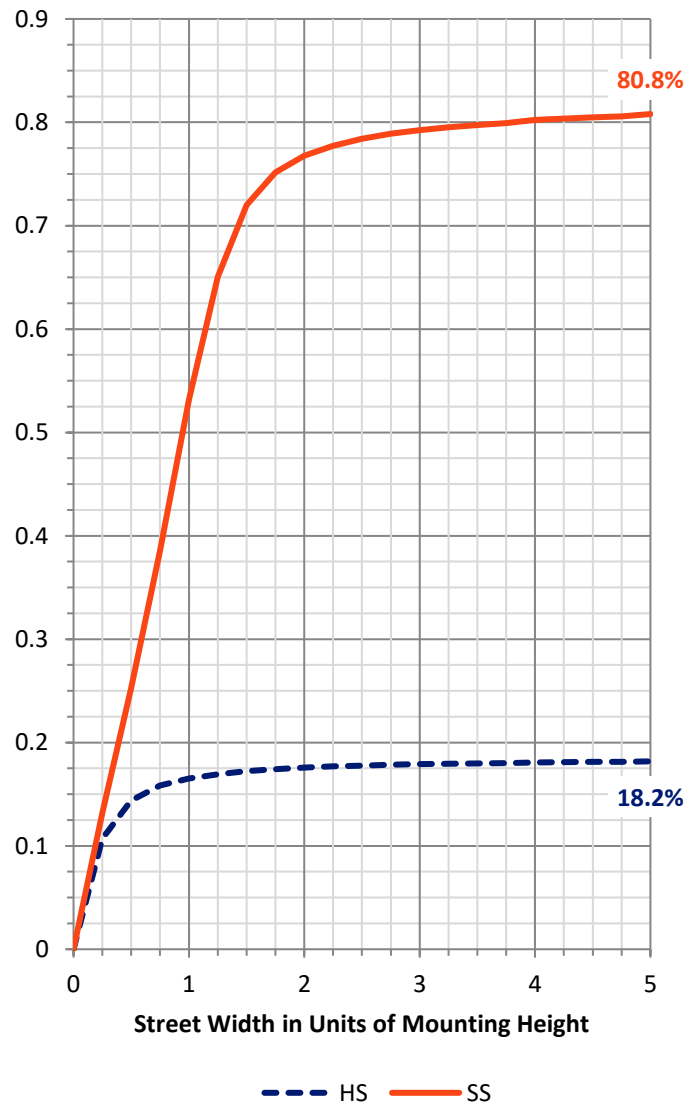
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	793.8	0.3	794.1
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	3503.8	1.2	3505.0
	% Fixture	81.5	0.0	81.5
Total	Lumens	4297.5	1.6	4299.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.5	1.8
10°-20°	186.8	4.3
20°-30°	256.1	6.0
30°-40°	365.9	8.5
40°-50°	593.3	13.8
50°-60°	940.0	21.9
60°-70°	1191.1	27.7
70°-80°	592.1	13.8
80°-90°	93.8	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°	4297.5	100.0
0°-180°	4299.1	100.0



REPORT NUMBER: P271782

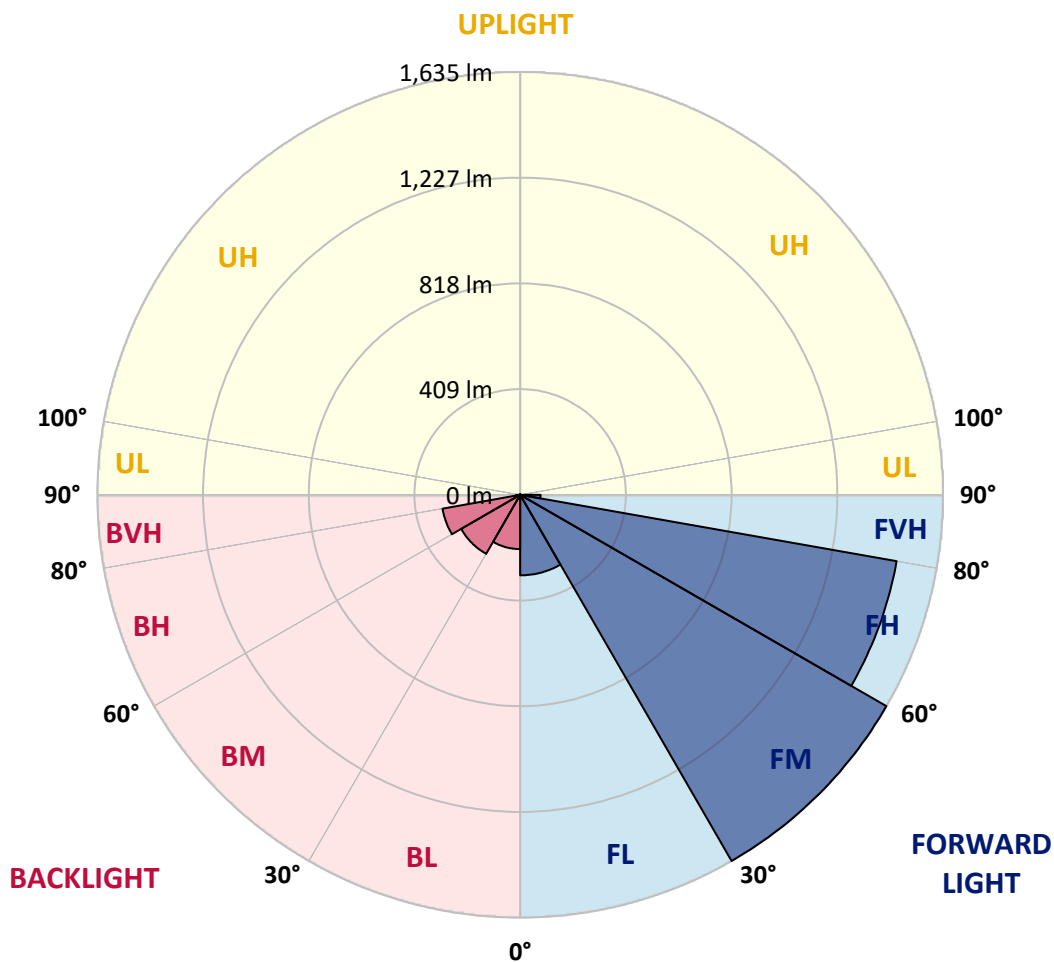
CATALOG NUMBER: ISW-AF-800-LED-E1-SL2-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	311.5	7.2			
FM	(30°-60°)	1635.4	38.0			
FH	(60°-80°)	1478.2	34.4			G1/1800
FVH	(80°-90°)	78.7	1.8			G1/100
BL	(0°-30°)	209.9	4.9	B1/500		
BM	(30°-60°)	263.7	6.1	B1/1000		
BH	(60°-80°)	305.0	7.1	B1/500		G1/500
BVH	(80°-90°)	15.1	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





REPORT NUMBER: P271782

CATALOG NUMBER: ISW-AF-800-LED-E1-SL2-7027

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	63°
0°	905.0	905.0	905.0	905.0	905.0	905.0	905.0	905.0	905.0	905.0	905.0
2.5°	840.9	842.9	853.9	859.7	868.1	870.6	880.4	884.2	887.4	886.9	886.9
5°	765.4	771.3	776.3	788.0	800.3	815.1	833.9	848.1	850.7	853.9	855.8
7.5°	708.0	711.7	720.8	729.2	744.8	765.4	791.9	809.9	813.9	815.1	819.6
10°	667.2	669.8	677.5	688.6	706.7	726.7	754.5	773.1	779.0	781.5	785.4
12.5°	635.6	639.4	646.6	658.2	677.5	698.3	727.3	746.0	749.8	753.0	759.0
15°	615.6	618.1	624.6	637.4	655.0	675.6	704.0	726.7	729.2	732.5	737.6
17.5°	611.7	613.6	617.5	627.2	640.7	660.7	689.8	708.5	713.1	717.6	722.8
20°	627.2	628.5	629.7	631.1	638.9	651.7	680.2	700.2	704.0	708.0	714.4
22.5°	660.7	662.7	659.4	655.0	649.1	651.7	675.6	696.3	698.9	702.7	708.0
25°	718.9	716.9	707.2	700.2	679.5	662.7	677.0	694.4	697.5	701.5	707.2
27.5°	787.4	784.8	779.0	759.6	725.3	691.2	684.7	697.5	699.5	702.7	708.0
30°	860.9	861.7	856.4	835.2	791.2	733.7	702.0	705.3	706.7	709.2	712.4
32.5°	927.5	937.2	936.6	935.2	872.6	791.2	735.7	722.8	720.8	722.8	724.0
35°	1004.3	1006.3	1024.3	1033.4	982.5	875.2	784.8	756.4	748.6	749.3	748.0
37.5°	1087.1	1089.6	1120.6	1136.2	1096.7	970.8	850.1	806.0	799.0	791.9	786.7
40°	1207.2	1217.6	1233.7	1251.1	1231.8	1099.3	935.9	876.5	858.4	857.2	846.8
42.5°	1386.7	1383.5	1375.8	1389.9	1366.7	1243.3	1039.9	976.0	962.4	944.3	930.1
45°	1563.1	1570.1	1536.6	1543.1	1544.4	1410.0	1190.4	1100.6	1093.6	1072.1	1056.7
47.5°	1682.0	1674.2	1629.0	1662.0	1742.6	1604.5	1364.9	1270.6	1255.7	1244.6	1235.0
50°	1688.5	1682.0	1652.9	1711.0	1883.5	1950.0	1607.7	1497.8	1476.5	1457.2	1451.3
52.5°	1530.8	1521.8	1531.4	1649.6	1934.5	2239.4	1950.6	1780.1	1762.7	1746.6	1723.9
55°	1249.8	1260.1	1306.0	1475.8	1856.3	2444.7	2625.7	2216.1	2141.2	2140.5	2085.0
57.5°	933.2	923.0	957.2	1116.8	1658.7	2517.7	3245.7	3144.2	2977.1	2864.0	2727.6
60°	629.7	632.4	663.9	746.0	1154.2	2438.3	3661.0	4014.3	3955.6	3931.6	3894.8
62.5°	436.7	440.5	469.5	546.3	675.0	1961.6	3782.4	4501.9	4607.2	4694.5	4673.2
65°	305.5	306.1	335.2	454.0	505.7	1007.6	3514.3	4566.5	4723.5	4873.3	5007.7
66°	269.3	270.0	293.8	422.5	485.1	760.2	3281.9	4476.7	4655.6	4830.1	4969.0
67.5°	230.5	234.5	253.2	359.1	465.1	586.4	2710.8	4208.6	4396.0	4587.8	4771.3
70°	158.2	159.4	176.3	291.3	435.4	514.8	1545.1	3285.7	3544.7	3881.8	4077.0
72.5°	113.1	111.7	113.6	180.2	447.0	511.6	811.9	2162.5	2524.9	2820.7	3031.9
75°	100.8	97.6	89.1	111.7	326.2	558.7	543.8	1273.1	1548.9	1818.2	2034.6
77.5°	89.8	84.6	80.1	85.9	161.4	526.4	488.3	729.2	870.1	1070.9	1237.5
80°	68.5	65.3	67.8	74.3	96.8	484.5	485.1	485.1	523.3	589.1	655.0
82.5°	45.3	41.3	47.1	61.4	73.0	364.9	501.3	428.2	421.1	418.5	423.1
85°	28.5	24.5	33.0	45.8	56.2	190.5	514.1	452.2	419.1	387.6	355.9
87.5°	10.3	11.6	16.8	26.5	36.8	82.6	450.8	398.5	375.9	336.5	299.8
90°	2.5	2.0	3.2	7.7	8.4	15.5	69.1	110.4	65.8	33.0	26.5
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: P271782

CATALOG NUMBER: ISW-AF-800-LED-E1-SL2-7027

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



REPORT NUMBER: P271782

CATALOG NUMBER: ISW-AF-800-LED-E1-SL2-7027

CANDELA DISTRIBUTION (continued):

	64°	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°
0°	905.0	905.0	905.0	905.0	905.0	905.0	905.0	905.0	905.0	905.0	905.0
2.5°	887.4	890.7	891.9	890.7	891.4	895.3	893.9	895.9	895.9	897.1	897.1
5°	858.4	860.9	866.1	865.4	870.6	872.6	874.6	877.1	880.4	882.3	886.2
7.5°	824.1	829.3	833.9	836.4	839.6	846.1	848.1	853.9	859.0	864.2	868.1
10°	791.2	798.3	803.5	805.4	812.6	815.8	822.8	827.4	833.9	840.4	846.1
12.5°	763.5	769.8	772.5	779.0	785.4	791.9	795.1	803.5	809.9	818.4	826.1
15°	742.8	749.3	754.5	759.0	765.4	771.8	777.0	785.4	793.1	801.6	808.7
17.5°	729.9	733.7	740.2	744.1	751.8	759.6	765.4	775.1	783.5	790.6	800.3
20°	720.2	724.8	730.5	736.3	743.4	753.0	758.3	768.6	777.7	786.1	795.1
22.5°	715.1	719.5	725.3	731.2	738.9	746.7	755.0	764.1	773.8	782.9	791.9
25°	713.1	716.9	722.1	728.0	736.3	744.8	751.8	762.2	770.6	780.3	791.2
27.5°	713.7	716.3	722.1	727.3	735.7	743.4	750.5	760.9	770.6	779.5	790.6
30°	716.3	718.3	724.0	728.5	735.7	743.4	749.8	760.9	769.3	779.0	790.6
32.5°	725.3	728.0	730.5	733.7	740.2	746.0	753.8	763.5	771.3	780.9	790.6
35°	746.7	744.8	746.7	748.0	752.5	758.3	764.1	772.5	779.5	788.0	798.3
37.5°	780.3	776.3	777.7	777.0	777.0	780.9	786.7	792.6	798.3	806.8	817.1
40°	842.3	832.5	830.0	822.8	820.9	824.1	828.1	828.7	835.9	846.8	851.3
42.5°	922.4	909.4	911.4	899.7	896.5	892.6	897.9	894.6	899.1	906.2	915.9
45°	1049.0	1036.6	1023.8	1005.0	1008.9	994.7	990.8	992.1	991.5	994.1	1005.7
47.5°	1200.0	1184.0	1175.5	1168.4	1155.0	1146.5	1135.5	1119.4	1123.2	1128.5	1138.7
50°	1421.0	1415.8	1399.6	1376.5	1373.1	1360.9	1357.7	1343.4	1338.4	1337.7	1337.0
52.5°	1716.2	1682.5	1676.1	1654.2	1637.4	1625.8	1621.9	1601.9	1581.8	1593.4	1592.2
55°	2075.9	2048.1	2012.7	1993.2	1979.8	1951.9	1944.8	1919.7	1908.0	1901.5	1885.5
57.5°	2680.5	2583.0	2510.0	2473.8	2422.8	2371.2	2353.0	2301.4	2261.3	2232.8	2234.8
60°	3734.6	3560.9	3356.2	3264.4	3051.9	3020.9	2874.9	2839.5	2751.6	2693.5	2659.8
62.5°	4658.3	4611.1	4512.9	4379.2	4166.1	3920.7	3810.3	3590.5	3418.8	3343.9	3239.8
65°	5099.4	5166.0	5193.1	5167.9	5082.6	4932.9	4801.0	4586.6	4298.5	4135.8	3933.6
66°	5076.8	5175.7	5225.4	5251.2	5220.2	5131.7	4993.5	4817.3	4594.3	4346.3	4119.5
67.5°	4911.4	5007.7	5076.8	5155.6	5155.6	5127.9	5071.7	4954.2	4796.5	4580.1	4376.6
70°	4235.9	4366.3	4488.4	4512.3	4579.5	4558.8	4603.4	4528.4	4491.0	4400.5	4291.5
72.5°	3299.9	3409.1	3513.7	3618.4	3600.9	3578.3	3573.7	3589.3	3513.1	3540.2	3511.8
75°	2194.8	2382.8	2490.0	2479.6	2486.8	2492.5	2444.7	2338.2	2420.8	2316.2	2351.1
77.5°	1333.8	1421.0	1450.0	1417.7	1375.8	1321.6	1234.3	1183.2	1110.3	1116.1	1067.6
80°	699.5	710.5	687.2	622.0	586.4	554.2	454.7	410.2	368.8	353.3	318.4
82.5°	401.1	374.6	346.2	324.3	282.2	253.8	215.1	190.5	164.1	140.9	132.4
85°	324.8	289.3	262.8	238.3	209.9	184.7	152.4	127.2	107.9	93.6	90.4
87.5°	268.1	243.5	216.4	193.1	165.4	139.5	107.9	84.0	66.6	53.6	49.8
90°	23.9	32.2	23.3	12.9	19.3	10.3	5.7	6.5	5.2	5.2	5.7
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: P271782

CATALOG NUMBER: ISW-AF-800-LED-E1-SL2-7027

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: P271782

CATALOG NUMBER: ISW-AF-800-LED-E1-SL2-7027

CANDELA DISTRIBUTION (continued):

	75°	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°
0°	905.0	905.0	905.0	905.0	905.0	905.0	905.0	905.0	905.0	905.0	905.0
2.5°	899.1	899.1	900.4	901.7	902.3	902.3	902.3	903.7	904.2	902.3	904.2
5°	888.2	891.4	893.9	895.9	896.5	898.5	900.4	901.7	903.7	903.7	905.0
7.5°	873.2	879.1	882.3	885.5	888.7	891.9	895.9	898.5	899.7	902.3	904.2
10°	854.6	861.7	868.1	873.2	877.7	884.2	889.4	893.3	899.1	899.7	904.2
12.5°	834.5	844.9	850.1	859.7	866.1	875.8	881.0	886.9	893.3	896.5	901.7
15°	820.3	829.3	839.1	848.1	858.4	870.1	876.5	884.2	893.3	900.4	906.9
17.5°	809.4	821.6	832.5	844.1	857.2	869.4	879.1	887.4	899.1	903.0	909.4
20°	806.0	819.6	830.7	842.9	856.4	872.6	884.2	893.3	905.0	911.4	917.2
22.5°	804.8	817.6	830.7	845.5	860.4	877.1	889.4	901.0	912.7	918.4	923.0
25°	803.5	817.1	831.3	848.1	864.2	881.7	895.9	906.9	917.9	923.6	927.5
27.5°	803.5	817.6	833.2	850.1	867.4	886.9	900.4	910.7	920.4	925.5	926.9
30°	802.8	817.6	832.5	851.3	870.1	890.1	905.0	914.7	923.0	926.2	925.0
32.5°	804.2	819.6	835.9	854.6	873.9	893.3	908.7	919.8	924.3	923.6	923.0
35°	810.6	824.8	843.6	862.4	882.3	900.4	915.2	923.0	926.9	925.5	922.4
37.5°	828.1	842.3	860.9	881.7	897.1	917.9	931.5	937.2	937.9	934.0	926.2
40°	864.2	878.5	895.3	917.9	936.6	950.8	963.7	970.2	966.3	959.2	950.8
42.5°	921.8	939.8	959.7	978.0	999.8	1019.3	1022.5	1026.3	1019.8	1006.3	996.0
45°	1014.1	1025.1	1050.8	1064.4	1092.9	1102.6	1109.7	1111.7	1097.4	1086.4	1068.4
47.5°	1147.1	1168.4	1186.5	1199.5	1220.1	1233.0	1247.3	1240.8	1229.8	1211.1	1187.2
50°	1356.4	1369.9	1393.2	1416.4	1438.5	1447.5	1447.5	1441.0	1434.0	1397.8	1368.7
52.5°	1613.4	1614.7	1648.4	1676.1	1694.8	1681.3	1697.4	1681.3	1676.8	1651.5	1627.7
55°	1911.2	1898.9	1939.7	1964.2	1981.0	1997.1	1993.9	1992.0	1975.2	1946.8	1917.7
57.5°	2194.1	2229.6	2249.1	2285.2	2293.6	2304.6	2300.1	2293.6	2283.9	2267.8	2254.8
60°	2602.4	2626.3	2643.7	2650.8	2674.7	2677.9	2694.1	2667.6	2674.1	2655.3	2614.7
62.5°	3157.8	3132.0	3145.5	3145.5	3138.5	3113.3	3126.8	3137.2	3119.7	3104.3	3097.7
65°	3779.9	3696.5	3616.5	3602.8	3566.0	3557.6	3547.4	3521.4	3510.5	3483.4	3461.3
66°	3965.8	3836.8	3761.1	3714.6	3670.0	3660.3	3646.1	3619.0	3597.0	3558.9	3522.2
67.5°	4174.5	4007.9	3894.2	3828.3	3773.4	3737.2	3708.8	3670.0	3635.2	3578.3	3519.6
70°	4160.9	4023.4	3886.3	3786.3	3703.6	3629.3	3585.5	3502.1	3431.1	3349.7	3282.5
72.5°	3496.3	3471.8	3392.3	3336.1	3234.7	3195.3	3079.0	3026.1	2927.8	2822.7	2790.3
75°	2430.5	2334.3	2293.6	2271.1	2226.4	2103.7	2023.6	2041.1	1926.1	1823.4	1764.6
77.5°	1062.5	1081.9	969.5	919.1	880.4	813.9	751.8	709.2	684.7	668.5	595.6
80°	293.8	256.5	253.2	235.1	231.2	206.0	209.2	191.2	178.9	176.3	170.5
82.5°	128.5	125.9	122.1	120.1	118.1	115.6	112.4	111.7	107.9	104.7	105.3
85°	85.2	84.6	82.6	80.8	77.5	73.0	69.8	67.1	67.8	64.6	64.0
87.5°	49.8	48.5	47.8	45.3	44.6	40.7	41.3	38.1	37.5	36.8	34.9
90°	7.1	7.7	9.7	9.1	6.5	12.3	10.3	9.1	9.7	7.7	7.7
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: P271782
 CATALOG NUMBER: ISW-AF-800-LED-E1-SL2-7027

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: P271782
 NUMBER: ISW-AF-800-LED-E1-SL2-7027

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

86°	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	86°	
905.0	905.0	905.0	905.0	905.0	905.0	905.0	905.0	905.0	905.0	905.0	110°	0.0
906.2	907.5	908.2	907.5	908.7	908.2	908.7	908.2	905.0	904.2	903.7	112.5°	0.0
907.5	910.2	910.7	911.4	910.2	911.4	908.7	898.5	886.9	873.9	863.6	115°	0.0
908.7	912.0	913.9	913.9	914.7	913.3	903.7	881.0	853.9	826.8	806.0	117.5°	0.0
908.2	912.7	914.7	915.2	915.2	912.7	889.4	853.2	811.9	770.6	728.5	120°	0.0
906.2	910.2	913.3	913.3	913.9	905.0	868.8	817.1	758.3	696.3	640.1	122.5°	0.0
910.2	913.9	913.9	913.9	913.3	897.9	846.8	771.8	693.0	609.1	525.8	125°	0.0
915.9	917.9	916.5	916.5	913.9	890.7	822.3	727.3	624.0	512.8	396.6	127.5°	0.0
921.0	922.4	921.8	918.4	915.2	882.9	797.1	680.2	541.3	396.6	281.0	130°	0.0
926.2	927.5	924.3	919.1	914.7	872.6	766.7	620.1	447.6	271.3	185.9	132.5°	0.0
926.9	928.2	922.4	915.2	908.7	857.2	729.9	556.1	344.9	175.7	145.3	135°	0.0
926.2	925.0	915.2	906.2	899.1	838.4	689.2	476.7	230.0	132.4	126.6	137.5°	0.0
921.8	915.9	908.2	897.9	887.4	817.6	648.5	388.2	145.3	114.9	114.9	140°	0.0
915.2	909.4	899.7	886.2	874.6	797.7	602.0	297.8	116.3	105.9	107.2	142.5°	0.0
912.7	906.2	891.9	877.7	862.9	779.5	552.9	200.2	104.7	100.1	100.8	145°	0.0
917.9	906.9	892.6	876.5	859.0	764.1	501.8	139.5	98.8	93.6	95.0	147.5°	0.0
935.2	925.0	908.2	887.4	868.8	755.0	447.6	115.6	93.1	88.6	88.6	150°	0.0
977.3	963.7	941.1	916.5	893.9	760.9	399.2	105.3	88.6	84.0	84.0	152.5°	0.0
1045.1	1028.9	1002.5	974.8	944.9	789.3	344.3	101.4	85.2	78.8	77.5	155°	0.0
1161.4	1139.9	1105.2	1072.1	1036.6	838.4	288.7	98.8	81.4	75.5	73.0	157.5°	0.0
1344.1	1312.4	1271.1	1227.8	1184.5	928.2	244.8	96.3	78.8	73.0	70.3	160°	0.0
1579.2	1557.9	1506.3	1449.4	1397.8	1107.1	219.6	94.3	76.9	69.8	67.8	162.5°	0.0
1879.0	1844.1	1803.3	1752.3	1691.0	1338.9	217.0	93.6	74.9	67.1	65.8	165°	0.0
2195.5	2181.8	2112.7	2081.1	2014.6	1647.7	264.2	95.0	73.6	65.3	63.3	167.5°	0.0
2556.5	2561.7	2497.1	2462.3	2407.3	2039.2	420.5	98.8	73.6	63.3	61.4	170°	0.0
3028.6	3037.1	2960.8	2919.5	2873.0	2477.6	660.7	105.3	75.5	61.4	59.4	172.5°	0.0
3415.5	3370.4	3321.2	3248.9	3190.2	2722.5	636.2	116.9	78.2	59.4	57.5	175°	0.0
3455.6	3423.4	3361.3	3283.1	3211.4	2723.8	555.5	120.8	78.8	58.7	56.9	177.5°	0.0
3450.4	3393.0	3322.5	3256.6	3186.3	2654.0	429.5	125.9	80.8	57.5	55.5	180°	0.0
3211.4	3130.8	3062.2	2971.1	2897.6	2375.0	264.2	125.3	78.2	53.6	52.3		
2648.2	2606.9	2525.5	2452.6	2375.7	1922.2	180.9	111.7	69.1	48.5	49.0		
1713.0	1665.7	1583.2	1541.9	1498.6	1229.8	140.9	91.1	58.7	43.3	45.3		
571.6	552.9	522.5	539.3	514.1	479.2	103.3	69.1	47.1	37.5	40.1		
171.1	167.3	173.1	162.8	172.5	146.0	67.8	48.5	36.2	32.2	35.6		
101.4	100.1	100.1	100.1	97.6	91.1	44.6	33.6	27.8	27.1	29.7		
62.1	60.7	61.4	60.7	62.1	55.5	30.4	23.3	20.8	20.0	23.9		
35.6	35.6	36.2	34.9	35.6	34.2	21.3	14.8	13.6	12.9	17.4		
8.4	8.4	6.5	5.7	6.5	9.1	5.7	4.5	3.9	3.2	5.7		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'271782
 ISW-AF-800-LED-E1-SL2-7027

REPORT NUMBER: P271782
 CATALOG NUMBER: ISW-AF-800-LED-E1-SL2-7027

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°	905.0	905.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	898.5	893.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	847.4	835.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	773.8	759.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	689.8	668.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	582.6	540.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	458.6	402.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	315.8	270.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	221.5	204.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	171.1	171.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	142.1	148.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	125.3	131.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	114.9	120.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	107.9	110.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	99.4	100.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	92.3	92.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	85.9	85.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	80.1	79.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	74.3	74.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	71.1	71.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	67.8	68.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	65.3	65.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	62.6	62.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	60.7	59.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	58.7	57.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	57.5	55.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	56.2	54.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66°	55.5	54.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	54.9	53.6
										70°	52.3	51.0
										72.5°	48.5	47.8
										75°	44.6	43.3
										77.5°	39.3	38.8
										80°	33.6	33.0
										82.5°	28.5	27.1
										85°	22.5	21.3
										87.5°	15.5	14.2
										90°	3.9	4.5
										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: P271782

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

00-LED-E1-SL2-7027

tinued):

175°	180°
905.0	905.0
890.1	895.9
831.3	829.3
748.0	748.6
647.2	648.5
516.7	509.0
370.1	373.3
257.7	257.1
206.7	208.0
177.0	177.0
157.7	157.7
138.9	139.5
125.9	127.2
114.4	114.9
102.7	103.3
93.1	93.1
86.6	87.1
82.0	82.0
77.5	77.5
73.6	74.9
69.8	70.3
65.8	66.6
62.1	62.1
58.7	58.7
56.2	55.5
54.3	53.0
52.3	51.7
51.7	51.0
51.0	50.3
49.8	49.0
47.8	47.1
43.9	42.6
40.1	38.8
36.8	34.9
31.0	29.7
22.5	21.3
13.6	13.6
3.2	3.2
0.0	0.0
0.0	0.0
0.0	0.0
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

