

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: P227194

Luminaire Tested: **ISW-AF-350-LED-E1-SLL-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P227194  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35948)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: ISW-AF-350-LED-E1-SLL-7030  
Description: IMPACT ELITE LED WEDGE LUMINAIRE  
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (16) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

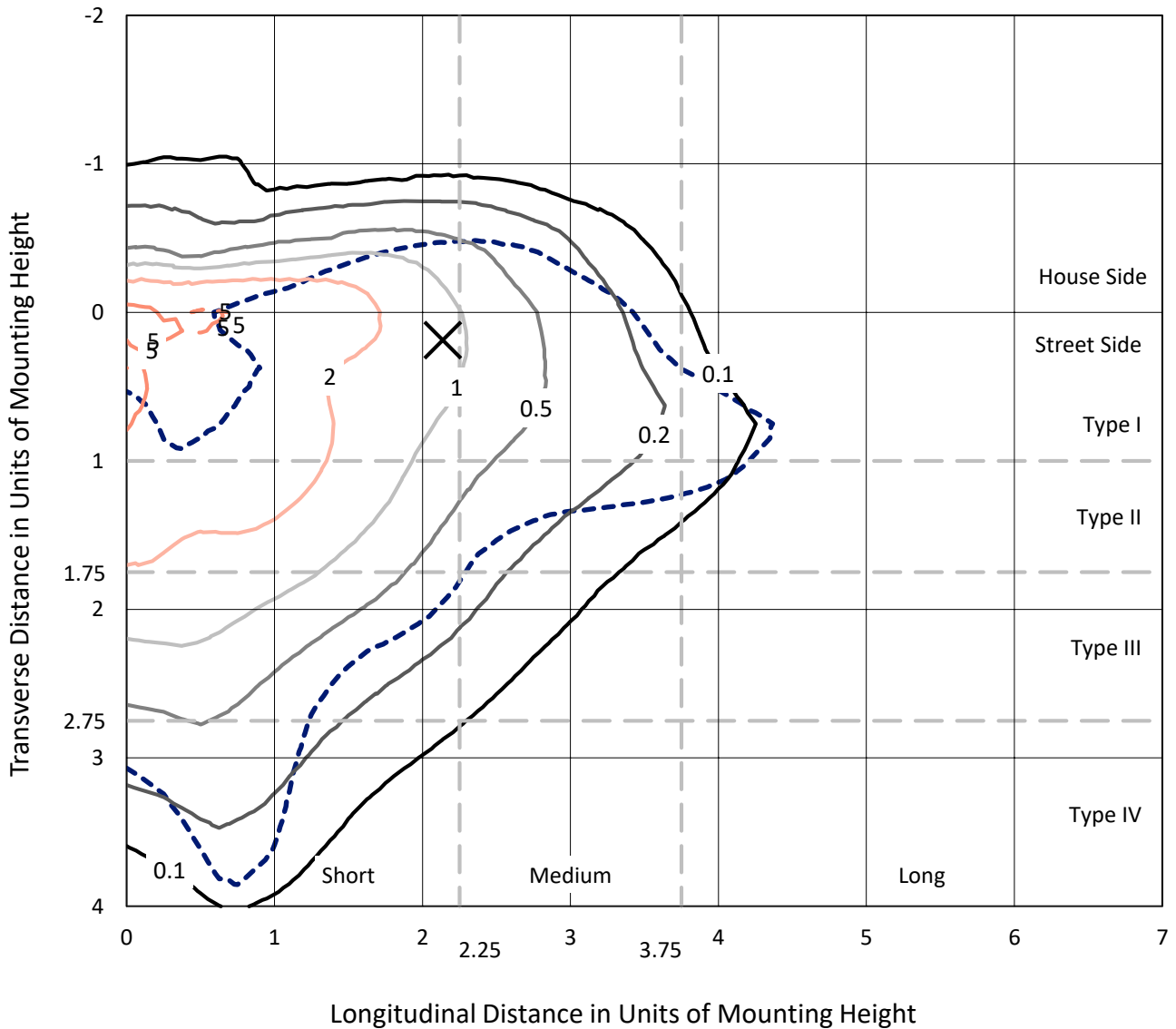
Lumens per Lamp: N/A  
Luminaire Lumens: 1907.1 lumens  
Efficiency: N/A  
Efficacy: 94.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B0 - U1 - G1  
  
Input Watts (W): 20.09  
Input Voltage (V): 120  
Input Current (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

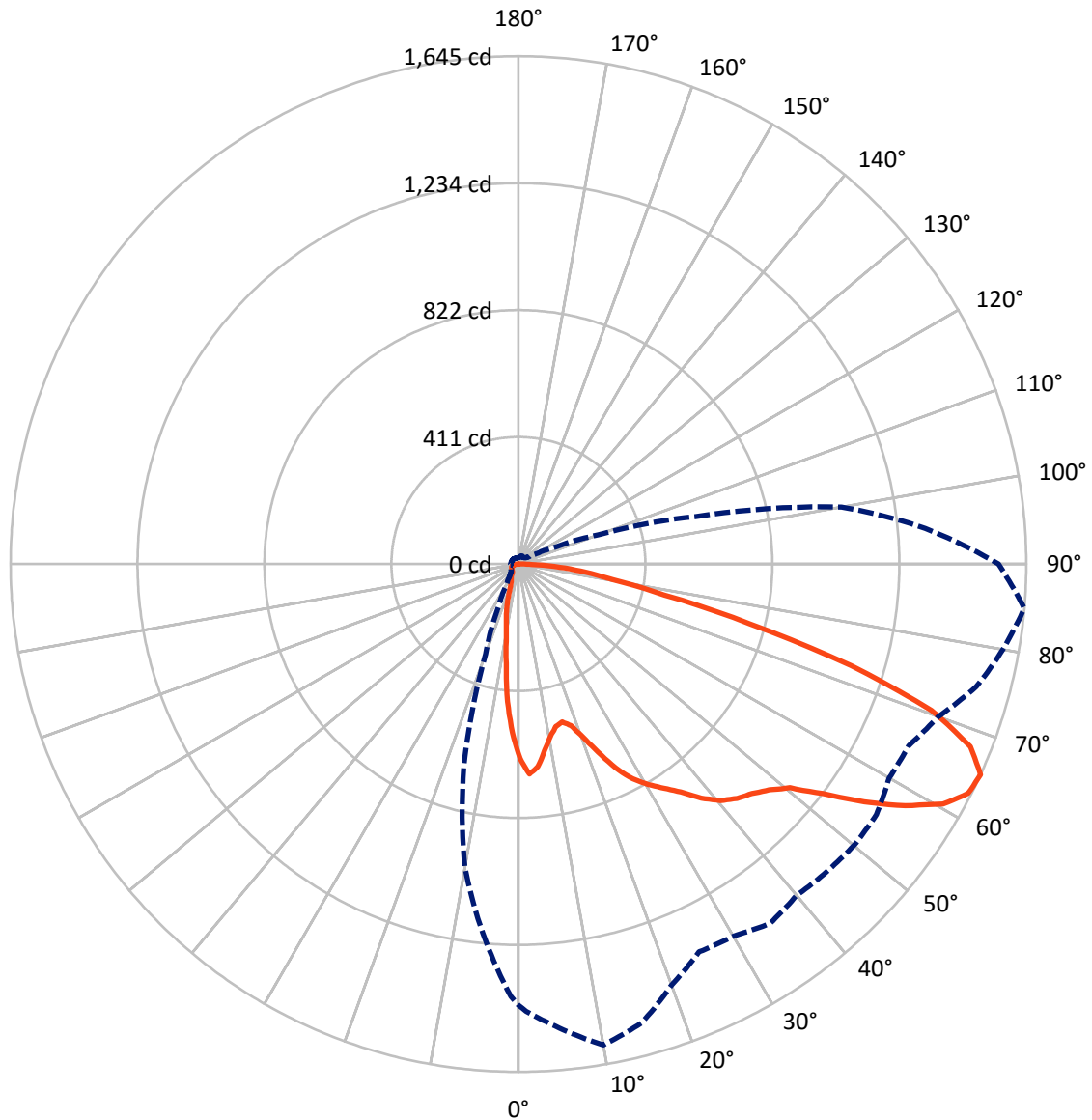
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.9 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	327.1	0.0	327.1
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	1579.9	0.1	1580.0
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	1907.0	0.1	1907.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.7	2.4
10°-20°	89.8	4.7
20°-30°	128.1	6.7
30°-40°	185.8	9.7
40°-50°	265.8	13.9
50°-60°	408.1	21.4
60°-70°	472.3	24.8
70°-80°	241.0	12.6
80°-90°	69.5	3.6
90°-100°	0.1	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°	1907.0	100.0
0°-180°	1907.1	100.0



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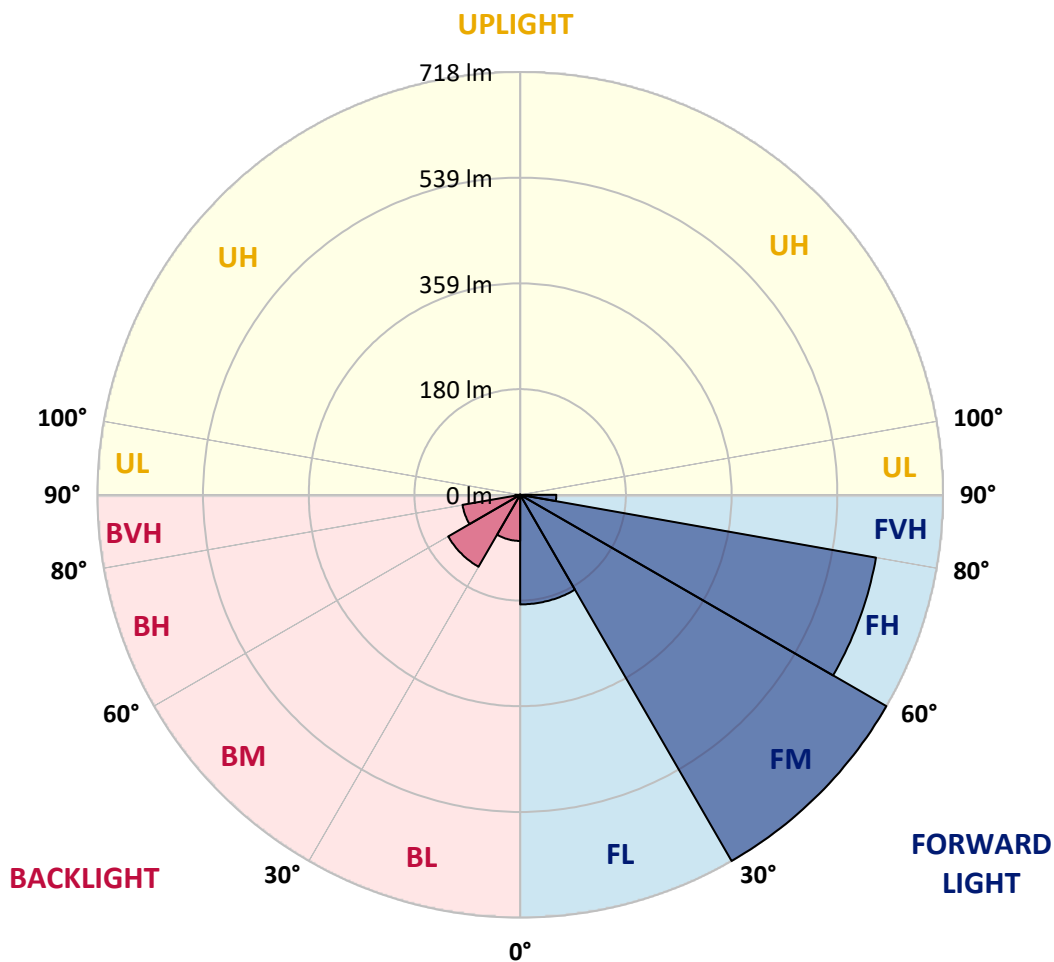
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	186.3	9.8			
FM	(30°-60°)	718.4	37.7			
FH	(60°-80°)	613.8	32.2			G0/660
FVH	(80°-90°)	61.5	3.2			G1/100
BL	(0°-30°)	78.3	4.1	B0/110		
BM	(30°-60°)	141.3	7.4	B0/220		
BH	(60°-80°)	99.5	5.2	B0/110		G0/110
BVH	(80°-90°)	8.1	0.4			G0/10
UL	(90°-100°)	0.1	0.0		U1/10	
UH	(100°-180°)	0.0	0.0		U1/10	

**BUG Rating: B0-U1-G1**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	630.0	630.0	630.0	630.0	630.0	630.0	630.0	630.0	630.0	630.0	630.0
2.5°	652.2	652.8	661.8	670.5	681.4	679.8	688.8	695.5	701.6	702.6	707.1
5°	612.4	618.8	639.0	656.4	678.2	695.2	713.5	727.9	738.5	748.5	749.8
7.5°	556.5	561.4	584.8	612.1	643.5	666.0	693.6	717.7	734.7	750.7	754.2
10°	508.7	513.2	539.2	574.5	602.1	631.3	659.9	679.5	701.6	715.4	722.2
12.5°	485.6	491.1	515.8	547.9	576.1	604.4	625.9	642.9	655.4	658.0	659.9
15°	494.6	497.5	524.8	553.3	575.8	589.9	595.7	606.0	605.0	610.1	611.1
17.5°	530.9	529.6	558.5	578.4	589.3	587.7	578.7	573.2	563.6	560.7	569.1
20°	593.1	597.6	616.2	628.4	617.2	591.2	566.5	549.5	536.0	531.5	530.5
22.5°	666.0	671.8	692.0	685.6	657.0	609.5	564.6	537.3	520.6	515.8	513.9
25°	742.4	746.2	756.5	734.7	694.6	632.9	578.0	539.8	517.7	510.6	509.7
27.5°	804.0	807.8	803.0	778.0	719.9	659.2	596.7	551.4	522.5	515.5	512.2
30°	854.4	856.3	840.3	809.1	751.4	688.5	621.1	571.6	537.9	521.9	519.6
32.5°	910.9	909.6	878.5	835.5	778.0	714.8	649.0	594.4	552.7	533.1	529.6
35°	972.8	961.6	906.7	861.4	796.3	735.0	674.3	618.5	576.4	550.4	545.9
37.5°	1028.0	1016.5	943.0	882.0	814.6	750.7	694.2	649.6	612.7	589.0	587.0
40°	1071.0	1056.9	970.6	895.8	823.6	762.3	717.7	688.8	664.4	645.1	645.1
42.5°	1105.7	1090.3	997.5	911.8	831.6	779.9	756.8	746.9	741.7	731.1	735.0
45°	1139.1	1123.3	1019.7	922.1	849.6	814.3	817.5	826.1	841.5	835.5	840.9
47.5°	1170.9	1155.4	1044.7	938.5	884.2	875.9	892.6	927.2	957.4	981.2	997.9
50°	1224.1	1205.8	1089.6	986.6	938.8	943.0	991.1	1059.2	1108.3	1130.1	1128.8
52.5°	1325.2	1299.2	1186.3	1076.5	1016.8	1039.9	1096.7	1182.4	1246.6	1263.6	1270.3
55°	1448.8	1428.3	1325.9	1195.6	1152.2	1160.3	1230.9	1327.8	1377.2	1394.9	1400.7
57.5°	1521.3	1515.9	1451.7	1323.0	1280.9	1277.7	1369.8	1449.1	1491.8	1508.5	1503.4
59°	1538.3	1540.0	1503.4	1413.2	1355.4	1348.3	1442.1	1515.6	1551.2	1556.3	1553.8
60°	1536.7	1545.7	1541.2	1462.6	1402.6	1393.6	1472.5	1542.5	1572.4	1580.4	1571.4
62.5°	1503.7	1519.1	1561.8	1553.4	1509.5	1463.6	1500.8	1551.5	1570.8	1563.1	1556.3
65°	1428.6	1448.8	1508.2	1582.0	1539.6	1451.0	1385.9	1391.7	1420.9	1401.6	1410.9
67.5°	1298.9	1322.0	1353.5	1521.0	1459.4	1310.8	1198.8	1143.9	1130.1	1148.7	1178.2
70°	1056.6	1071.7	1151.3	1388.1	1281.6	1077.5	936.9	863.7	839.3	882.3	912.5
72.5°	745.3	767.7	872.7	1148.7	1054.3	863.1	709.0	641.6	617.2	619.1	645.4
75°	453.5	484.0	609.8	908.3	831.0	661.2	540.2	491.7	484.3	480.2	475.7
77.5°	299.1	310.7	400.9	626.8	560.4	470.2	405.4	425.3	447.4	452.2	458.0
80°	202.8	206.4	260.0	439.7	369.1	347.3	327.7	374.6	416.6	424.3	420.1
82.5°	124.9	135.4	181.3	296.6	294.3	284.0	259.0	295.6	323.5	328.3	337.0
85°	43.3	45.3	111.4	261.9	299.1	302.3	213.4	168.5	189.4	185.8	133.5
87.5°	18.6	20.9	34.7	175.2	202.5	167.5	97.6	86.7	66.8	37.6	36.3
90°	1.3	1.3	1.0	1.6	4.8	3.2	2.9	1.0	0.0	0.0	0.0
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°	1°	5°	10°	15°	20°	25°	30°	35°	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°	630.0	630.0	630.0	630.0	630.0	630.0	630.0	630.0	630.0	630.0	630.0
2.5°	706.1	701.9	704.5	701.0	695.2	691.3	686.8	681.1	674.3	665.3	656.4
5°	746.9	743.7	735.6	724.1	708.0	694.6	678.5	659.6	643.8	623.6	604.7
7.5°	750.4	745.3	730.5	709.0	684.3	659.2	640.3	609.5	589.6	557.5	536.0
10°	718.3	718.6	703.9	683.6	658.0	628.4	601.2	567.5	538.2	505.5	469.6
12.5°	671.1	675.6	676.3	658.3	633.2	602.1	571.6	539.5	503.3	468.3	435.2
15°	617.5	630.4	631.3	626.8	613.7	587.4	559.4	530.5	493.6	455.4	418.2
17.5°	569.7	581.9	593.1	603.4	604.0	591.5	574.5	549.8	512.9	468.0	424.3
20°	533.4	546.6	565.8	584.8	605.6	612.1	613.3	597.6	558.1	503.3	444.2
22.5°	518.3	533.8	553.3	589.0	625.9	648.7	661.5	661.5	620.1	555.9	476.9
25°	515.1	527.7	557.5	601.8	651.2	691.0	715.4	731.8	701.9	623.6	517.4
27.5°	517.4	534.4	571.3	616.6	668.2	719.3	759.4	787.9	760.0	669.8	554.9
30°	526.4	551.7	589.9	636.8	690.1	744.0	792.4	828.7	808.2	711.9	590.6
32.5°	542.1	572.9	616.2	658.6	711.6	770.0	817.8	865.6	850.5	741.1	609.5
35°	565.5	601.8	641.3	684.0	734.7	793.1	844.1	906.7	901.2	777.7	628.4
37.5°	603.4	640.6	676.9	713.5	761.6	818.4	882.0	961.9	957.4	831.9	658.9
40°	670.2	692.0	718.9	742.4	787.6	841.9	909.9	1007.5	1023.5	878.5	685.9
42.5°	753.0	765.8	773.5	779.9	803.0	854.1	930.1	1038.0	1064.3	913.1	706.7
45°	858.6	854.7	839.3	824.5	822.0	861.1	939.4	1060.4	1096.4	946.8	727.9
47.5°	983.4	975.1	933.0	884.6	857.6	874.0	955.8	1093.5	1135.9	991.1	754.2
50°	1127.5	1107.9	1039.3	957.4	907.7	910.2	997.2	1139.4	1187.9	1048.9	803.4
52.5°	1261.0	1226.1	1144.2	1036.0	964.8	973.5	1071.7	1234.4	1294.4	1144.5	885.8
55°	1378.8	1333.9	1245.6	1127.2	1062.7	1077.8	1190.7	1360.2	1417.0	1258.5	969.3
57.5°	1479.0	1431.1	1344.2	1239.9	1159.6	1172.1	1297.0	1477.0	1515.2	1360.9	1049.2
59°	1524.5	1477.4	1397.1	1300.8	1225.7	1252.1	1372.1	1535.1	1551.5	1400.3	1079.7
60°	1546.7	1499.5	1428.9	1334.9	1266.2	1300.8	1411.9	1579.1	1565.0	1406.1	1091.3
62.5°	1545.1	1512.0	1465.5	1401.3	1388.8	1446.6	1541.2	1635.6	1574.3	1389.4	1098.6
65°	1418.3	1415.4	1386.5	1393.9	1446.2	1535.5	1593.5	1644.9	1555.0	1323.0	1063.0
67.5°	1183.0	1194.9	1198.8	1244.0	1366.3	1517.8	1568.8	1578.8	1471.3	1180.8	952.3
70°	913.4	887.1	930.5	1010.4	1186.6	1381.7	1454.3	1419.6	1299.9	988.9	777.7
72.5°	646.7	654.4	716.7	820.4	999.8	1202.0	1315.6	1126.6	978.0	740.1	551.4
75°	486.6	522.8	553.0	643.8	812.0	1029.6	1123.3	774.5	637.1	510.3	360.8
77.5°	466.4	463.5	440.4	459.6	585.4	721.2	801.4	483.4	398.9	333.8	217.9
80°	431.0	406.3	364.3	345.7	368.8	463.1	508.7	310.7	265.4	233.3	122.9
82.5°	334.4	317.7	273.5	272.2	307.5	329.0	349.8	220.2	199.6	189.0	75.4
85°	212.2	217.9	223.4	272.5	341.2	345.0	272.2	134.2	105.3	148.3	48.1
87.5°	62.9	102.4	124.2	210.9	307.5	308.4	204.8	44.0	39.5	46.2	27.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
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



REPORT NUMBER: P227194

CATALOG NUMBER: ISW-AF-350-LED-E1-SLL-7030

**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: P227194

CATALOG NUMBER: ISW-AF-350-LED-E1-SLL-7030

**CANDELA DISTRIBUTION (continued):**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	630.0	630.0	630.0	630.0	630.0	630.0	630.0	630.0	630.0	630.0	630.0
2.5°	647.0	645.8	636.8	621.7	623.0	615.9	606.9	592.5	589.6	581.6	580.3
5°	588.6	573.5	554.0	530.2	521.2	509.0	496.5	487.5	476.3	466.0	479.8
7.5°	510.6	488.5	465.7	440.7	426.2	406.3	395.7	375.2	360.1	357.2	345.3
10°	445.5	417.6	391.6	369.1	342.1	323.5	310.0	298.8	288.5	276.0	268.3
12.5°	402.2	370.7	343.1	315.2	302.3	286.9	278.6	268.0	253.2	242.6	232.4
15°	382.6	348.6	318.4	294.0	275.4	260.9	246.2	233.3	217.3	205.4	193.5
17.5°	380.0	335.7	297.5	270.2	250.0	234.3	214.7	197.7	178.1	165.0	155.0
20°	382.9	326.1	278.3	242.6	222.1	194.5	176.2	155.3	136.1	118.8	103.0
22.5°	394.5	321.0	259.3	220.2	189.7	158.2	138.7	112.0	95.6	79.0	72.9
25°	410.2	317.7	243.0	195.5	156.9	125.8	99.2	77.0	69.6	65.5	63.2
27.5°	426.9	312.0	224.7	172.7	130.6	92.8	74.1	64.8	61.9	59.7	58.1
30°	439.4	300.7	202.2	148.3	104.0	79.3	66.1	60.0	58.1	55.5	53.9
32.5°	444.8	283.4	182.0	125.2	87.6	68.0	57.8	54.2	52.3	50.1	49.1
35°	443.9	263.8	171.7	116.2	80.2	60.3	50.7	48.5	45.9	43.7	41.4
37.5°	444.8	245.9	163.7	113.9	77.0	54.6	46.2	44.6	42.7	40.4	38.5
40°	448.7	235.9	159.8	109.1	74.5	52.3	42.7	41.1	40.8	38.2	36.6
42.5°	450.3	236.9	157.9	102.4	68.0	51.7	42.7	39.2	39.2	37.2	35.3
45°	448.4	243.9	159.2	98.5	63.2	48.5	44.9	39.2	38.2	36.6	34.7
47.5°	454.2	249.1	159.2	97.9	60.0	45.3	42.7	43.0	38.8	36.9	34.0
50°	477.9	253.9	156.0	96.9	59.1	42.0	40.4	42.4	43.7	37.6	34.3
52.5°	519.9	260.0	152.5	95.3	57.8	39.5	37.6	39.8	44.6	39.5	34.3
55°	563.0	270.9	150.2	92.8	55.8	37.9	34.0	38.2	40.8	39.2	34.0
57.5°	608.9	282.8	148.0	86.7	51.4	36.3	32.7	33.4	36.6	37.9	33.1
59°	622.7	288.5	146.0	82.2	47.5	35.0	31.8	30.8	32.7	36.3	32.4
60°	632.6	288.9	143.8	78.3	45.3	34.3	31.1	29.8	30.5	37.2	32.7
62.5°	633.6	288.5	136.7	70.3	40.8	33.1	30.2	28.6	27.9	31.1	33.4
65°	593.8	275.1	123.9	66.1	41.1	31.8	28.6	27.3	26.0	26.6	28.9
67.5°	519.3	240.4	110.4	67.1	43.3	30.8	27.3	26.0	25.0	24.4	25.4
70°	392.9	199.6	106.6	69.3	45.3	30.2	25.4	24.1	23.4	23.1	23.1
72.5°	272.2	164.3	102.4	70.9	46.9	29.8	23.4	22.1	21.8	21.5	21.5
75°	175.2	119.4	84.7	60.3	42.7	27.3	21.2	19.9	19.6	19.3	19.6
77.5°	103.7	83.4	62.3	42.4	31.1	21.8	18.3	17.3	17.3	17.3	17.7
80°	57.5	49.4	41.4	27.3	22.1	16.4	15.1	14.1	14.1	14.4	15.1
82.5°	34.3	27.3	23.4	17.3	15.1	11.6	11.2	10.6	10.9	11.2	11.9
85°	22.5	17.3	14.1	11.6	10.3	7.4	6.4	6.7	7.1	7.7	8.0
87.5°	12.5	9.6	7.7	6.7	6.1	3.2	2.6	2.6	3.2	3.9	4.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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



REPORT NUMBER: P227194  
 CATALOG NUMBER: ISW-AF-350-LED-E1-SLL-7030

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	59°
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°
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: P227194  
 NUMBER: ISW-AF-350-LED-E1-SLL-7030

REPORT NUMBER: P  
 CATALOG NUMBER:

**DISTRIBUTION (continued):**

**CANDELA DISTRIBUTION**

160°	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	110°	160°
630.0	630.0	630.0	630.0	630.0	630.0	630.0	630.0	630.0	630.0	630.0	110°	0.0
584.8	575.5	565.5	558.1	561.4	550.8	551.7	548.8	547.6	546.9	540.2	112.5°	0.0
463.1	466.7	451.9	453.5	458.0	447.1	439.7	451.9	450.3	439.4	445.5	115°	0.0
333.8	334.8	328.0	312.9	312.9	321.0	323.8	329.6	333.5	347.0	338.6	117.5°	0.0
255.2	246.2	239.4	232.7	228.8	220.8	222.7	229.8	234.3	242.0	248.1	120°	0.0
221.8	211.8	200.0	189.7	184.2	176.8	172.0	170.4	172.0	167.2	167.5	122.5°	0.0
184.2	175.2	162.1	156.6	146.4	140.6	137.4	133.2	130.0	123.2	120.4	125°	0.0
142.8	131.0	117.5	117.5	110.1	105.3	104.0	103.0	101.1	97.6	94.0	127.5°	0.0
95.0	87.3	79.6	75.7	76.4	75.7	73.8	77.0	77.0	78.3	77.7	130°	0.0
69.3	68.0	65.2	62.9	61.6	61.3	61.6	62.6	64.5	66.1	67.7	132.5°	0.0
62.3	61.6	59.1	56.8	56.5	55.8	55.8	56.8	57.1	57.5	57.1	135°	0.0
57.8	56.5	54.2	52.6	52.0	51.7	52.0	51.0	50.4	50.7	50.4	137.5°	0.0
52.3	51.4	49.1	47.8	47.5	47.5	46.5	46.2	45.6	45.9	45.6	140°	0.0
48.1	46.9	44.6	43.0	43.0	42.7	43.0	42.7	42.4	42.0	42.0	142.5°	0.0
40.4	40.1	37.9	37.2	37.6	38.5	38.5	38.5	38.8	38.5	38.5	145°	0.0
37.6	37.2	35.0	33.4	33.1	33.1	33.1	33.7	34.7	35.0	35.6	147.5°	0.0
35.6	35.3	33.1	31.8	31.1	30.8	30.5	30.5	30.8	32.1	33.1	150°	0.0
34.3	33.7	31.5	29.8	29.5	29.2	28.9	28.9	28.9	29.2	30.2	152.5°	0.0
33.7	32.7	30.2	28.6	27.9	27.6	27.6	27.9	27.6	27.6	27.6	155°	0.0
32.7	32.1	29.5	27.6	27.0	27.0	26.6	26.6	26.6	26.0	26.0	157.5°	0.0
32.4	31.5	28.9	27.0	26.3	26.0	25.7	26.0	25.4	25.0	24.7	160°	0.0
31.8	30.5	27.6	26.0	25.7	25.0	24.7	24.7	24.7	24.1	24.1	162.5°	0.0
31.5	29.8	27.0	25.4	24.7	24.1	23.8	23.8	24.4	23.8	23.8	165°	0.0
31.1	28.9	26.0	24.1	23.8	23.1	22.8	23.1	24.1	23.4	23.1	167.5°	0.0
29.8	28.2	25.4	23.8	23.1	22.5	22.1	22.5	23.1	23.1	23.1	170°	0.0
29.2	27.6	24.7	23.1	22.8	22.1	21.8	21.8	22.8	22.8	22.5	172.5°	0.0
28.2	27.0	24.1	22.1	21.5	21.5	21.2	21.2	21.5	21.5	21.8	175°	0.0
27.0	26.3	23.4	21.2	20.9	20.5	20.5	20.5	20.5	21.2	21.2	177.5°	0.0
25.7	25.4	22.5	20.5	19.9	19.9	19.9	19.9	19.9	20.2	20.5	180°	0.0
23.8	23.8	21.2	19.3	18.9	18.6	18.6	18.6	18.6	18.9	19.3		
21.8	22.1	19.6	17.7	17.3	17.3	17.3	17.3	17.7	17.7	18.0		
19.9	20.2	17.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	16.4		
18.0	18.0	15.1	13.2	13.5	13.8	14.1	13.8	13.8	14.1	15.1		
15.4	15.1	12.5	10.9	10.9	11.6	11.9	11.6	11.9	11.9	13.2		
12.2	12.2	9.6	8.0	8.0	9.3	9.3	9.3	9.6	9.9	10.9		
9.3	9.0	6.7	5.5	5.5	6.4	6.7	7.1	7.4	7.7	8.3		
5.5	5.5	3.5	2.2	2.6	2.9	3.9	3.9	3.9	4.5	5.5		
0.0	0.3	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'227194  
 ISW-AF-350-LED-E1-SLL-7030

REPORT NUMBER: P227194  
 CATALOG NUMBER: ISW-AF-31

**TION (continued):**

**CANDELA DISTRIBUTION (con**

165°	170°	175°	180°	185°	190°	195°	200°	205°	210°		215°	220°
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°	630.0	630.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	545.9	545.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	448.1	445.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	347.3	357.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	250.3	257.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	174.3	178.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	120.0	127.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	93.4	94.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	77.0	77.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	68.4	69.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	57.5	58.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	50.7	52.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	46.5	47.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	42.4	42.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	38.8	39.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	36.3	36.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	34.0	34.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	30.8	31.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	27.9	28.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	26.0	26.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	24.7	25.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	24.1	24.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	23.8	24.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	23.8	24.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	23.4	23.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	23.4	24.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	22.5	23.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	21.8	22.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	20.9	21.8
										70°	19.9	20.9
										72.5°	18.6	19.9
										75°	17.3	18.3
										77.5°	15.7	16.7
										80°	13.8	14.1
										82.5°	11.6	11.6
										85°	8.7	7.7
										87.5°	4.8	5.1
										90°	0.0	0.0
										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: P227194

CATALOG NUMBER: ISW-AF-350-LED-E1-

50-LED-E1-SLL-7030

**tinued):**

**CANDELA DISTRIBUTION (continued):**

225°	230°	235°	240°	245°	250°	255°	260°	265°		215°	220°	225°
630.0	630.0	630.0	630.0	630.0	630.0	630.0	630.0	630.0	110°	0.0	0.0	0.0
538.9	538.9	548.5	549.5	538.2	541.1	546.6	540.2	547.2	112.5°	0.0	0.0	0.0
452.2	448.4	448.7	446.1	450.6	445.5	450.9	449.0	447.4	115°	0.0	0.0	0.0
351.1	357.9	353.1	343.7	351.1	345.3	334.4	335.4	323.2	117.5°	0.0	0.0	0.0
263.8	259.0	256.4	252.0	240.1	242.3	230.1	232.1	236.2	120°	0.0	0.0	0.0
182.0	178.5	182.6	179.7	174.9	175.9	178.5	181.0	187.8	122.5°	0.0	0.0	0.0
127.7	126.1	125.2	127.1	132.6	135.4	139.6	147.3	151.2	125°	0.0	0.0	0.0
96.0	96.3	95.3	98.2	102.7	105.0	105.9	106.6	111.1	127.5°	0.0	0.0	0.0
79.3	80.6	80.2	81.2	79.9	78.6	79.6	77.7	76.1	130°	0.0	0.0	0.0
69.3	69.6	68.0	67.7	65.8	64.2	62.9	62.9	62.3	132.5°	0.0	0.0	0.0
58.7	59.1	57.5	57.5	57.1	58.1	57.5	56.2	55.8	135°	0.0	0.0	0.0
52.6	52.0	51.0	51.0	50.4	50.4	50.7	51.0	50.7	137.5°	0.0	0.0	0.0
47.2	46.5	46.2	46.5	46.2	46.5	46.9	46.5	46.9	140°	0.0	0.0	0.0
43.3	42.7	42.7	43.0	42.7	43.0	43.0	43.0	42.7	142.5°	0.0	0.0	0.0
40.1	39.5	39.5	39.5	39.2	38.5	37.9	36.9	35.9	145°	0.0	0.0	0.0
37.6	37.2	36.6	36.3	35.3	33.4	32.7	32.7	32.7	147.5°	0.0	0.0	0.0
35.3	34.7	34.3	33.1	31.8	31.1	31.1	31.1	31.1	150°	0.0	0.0	0.0
32.4	31.5	30.8	30.5	30.2	30.2	29.8	29.8	29.8	152.5°	0.0	0.0	0.0
28.9	28.6	28.6	28.9	28.9	28.9	28.9	28.6	28.9	155°	0.0	0.0	0.0
26.6	26.6	27.0	27.3	27.6	27.9	28.2	27.9	28.2	157.5°	0.0	0.0	0.0
25.7	25.7	25.7	26.3	26.6	27.0	27.6	27.6	27.6	160°	0.0	0.0	0.0
25.0	25.0	25.4	25.7	26.0	26.3	26.6	27.0	27.3	162.5°	0.0	0.0	0.0
24.7	25.0	24.7	25.0	25.4	26.0	26.3	26.3	26.6	165°	0.0	0.0	0.0
24.7	24.7	24.7	24.7	25.4	25.7	25.4	25.7	26.0	167.5°	0.0	0.0	0.0
24.7	24.7	24.4	24.7	25.0	25.4	25.0	25.0	25.7	170°	0.0	0.0	0.0
24.4	24.7	24.4	24.4	24.7	25.0	24.7	25.0	25.4	172.5°	0.0	0.0	0.0
23.8	24.1	23.8	24.1	24.1	24.4	24.4	24.4	24.7	175°	0.0	0.0	0.0
23.1	23.1	23.1	23.4	23.4	23.8	23.8	24.1	23.8	177.5°	0.0	0.0	0.0
22.5	22.5	22.5	22.8	22.8	23.1	23.4	23.1	23.1	180°	0.0	0.0	0.0
21.8	21.5	21.2	21.5	21.8	21.8	22.1	21.8	22.1				
20.9	20.5	20.2	20.2	20.5	20.5	20.9	20.5	20.5				
19.3	19.3	18.6	18.6	18.6	18.6	18.9	18.6	18.3				
17.3	17.3	16.7	16.7	16.7	16.7	16.4	16.4	16.4				
14.4	14.8	14.8	14.4	14.4	14.1	14.1	13.8	13.5				
10.9	11.6	11.9	11.9	11.9	11.9	11.9	11.2	10.6				
7.7	8.7	9.6	9.6	9.3	9.3	9.3	8.3	7.4				
4.8	5.8	6.1	6.7	5.8	5.5	5.5	4.8	4.5				
0.0	0.0	0.6	0.3	1.0	1.0	1.3	0.6	0.3				
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				



REPORT NUMBER: P227194

CATALOG NUMBER: ISW-AF-350-LED-E1-SLL-7030

SLL-7030

**CANDELA DISTRIBUTION (continued):**

230°	235°	240°	245°	250°	255°	260°	265°		270°	275°	280°	285°
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°	630.0	630.0	630.0	630.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	541.1	553.0	554.6	556.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	444.8	456.7	450.0	452.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	324.8	317.1	327.1	333.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	237.2	246.2	250.0	257.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	196.7	202.5	209.6	220.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	159.5	163.7	172.7	183.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	116.2	122.3	128.1	137.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	78.0	80.6	87.6	91.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	62.6	63.5	64.8	68.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	56.2	56.8	57.8	59.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	51.0	51.4	52.3	53.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	46.5	46.2	46.5	47.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	41.7	41.7	42.4	42.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	35.9	35.6	36.3	37.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	33.1	33.4	34.0	34.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	31.5	31.8	32.4	33.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	29.8	30.5	31.1	32.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	28.9	29.5	30.5	31.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	28.6	29.2	30.2	31.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	27.9	28.9	29.8	31.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	27.9	28.6	29.5	31.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	27.0	27.9	28.9	30.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	26.3	27.0	28.2	30.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	26.0	26.6	27.9	29.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	25.4	26.3	27.6	29.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	24.7	25.7	27.0	28.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	23.8	25.0	26.3	27.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	23.1	23.8	25.0	26.3
								70°	21.8	22.5	23.4	24.4
								72.5°	20.2	20.5	21.2	22.1
								75°	18.0	18.3	18.6	19.6
								77.5°	15.7	15.7	16.0	17.3
								80°	13.2	13.2	13.5	14.1
								82.5°	9.9	9.9	10.6	11.6
								85°	7.1	6.7	7.7	8.3
								87.5°	4.2	3.9	4.2	4.2
								90°	0.3	1.0	0.6	0.6
								92.5°	0.0	0.0	0.0	0.0
								95°	0.0	0.0	0.0	0.0
								97.5°	0.0	0.0	0.0	0.0
								100°	0.0	0.0	0.0	0.0
								102.5°	0.0	0.0	0.0	0.0
								105°	0.0	0.0	0.0	0.0
								107.5°	0.0	0.0	0.0	0.0





REPORT NUMBER: P227194

CATALOG NUMBER: ISW-AF-350-LED-E1-SLL-7030

**CANDELA DISTRIBUTION (continued):**

290°	295°	300°	305°	310°	315°	320°		270°	275°	280°	285°	290°
630.0	630.0	630.0	630.0	630.0	630.0	630.0	110°	0.0	0.0	0.0	0.0	0.0
562.6	559.4	562.0	571.9	575.5	580.0	595.1	112.5°	0.0	0.0	0.0	0.0	0.0
459.9	464.1	459.9	480.2	481.1	494.6	500.1	115°	0.0	0.0	0.0	0.0	0.0
338.0	343.4	352.4	365.9	369.7	389.0	405.4	117.5°	0.0	0.0	0.0	0.0	0.0
263.8	270.9	283.4	291.7	300.1	311.3	324.5	120°	0.0	0.0	0.0	0.0	0.0
234.3	241.7	252.6	263.2	275.1	283.7	294.6	122.5°	0.0	0.0	0.0	0.0	0.0
195.8	207.3	217.9	231.7	241.7	257.4	270.2	125°	0.0	0.0	0.0	0.0	0.0
149.6	165.6	176.2	192.9	208.0	221.8	239.1	127.5°	0.0	0.0	0.0	0.0	0.0
104.0	116.5	130.0	148.0	167.5	186.5	209.6	130°	0.0	0.0	0.0	0.0	0.0
71.6	78.3	88.6	107.2	127.4	154.7	179.7	132.5°	0.0	0.0	0.0	0.0	0.0
61.0	63.5	67.4	76.4	93.4	123.2	150.8	135°	0.0	0.0	0.0	0.0	0.0
54.2	56.2	58.7	63.2	72.2	92.8	123.2	137.5°	0.0	0.0	0.0	0.0	0.0
49.7	52.0	54.6	57.8	62.6	76.7	99.5	140°	0.0	0.0	0.0	0.0	0.0
43.7	45.3	47.5	51.0	54.6	65.8	87.9	142.5°	0.0	0.0	0.0	0.0	0.0
38.5	40.4	43.3	45.9	49.4	58.4	79.9	145°	0.0	0.0	0.0	0.0	0.0
35.9	37.9	40.4	42.7	45.3	52.6	74.1	147.5°	0.0	0.0	0.0	0.0	0.0
34.3	36.3	38.8	40.8	42.4	50.7	71.9	150°	0.0	0.0	0.0	0.0	0.0
33.4	35.6	37.9	39.2	42.4	51.7	66.4	152.5°	0.0	0.0	0.0	0.0	0.0
33.1	35.3	37.9	40.1	46.5	48.8	62.9	155°	0.0	0.0	0.0	0.0	0.0
33.4	35.3	38.5	44.9	45.3	46.2	59.1	157.5°	0.0	0.0	0.0	0.0	0.0
33.4	36.3	43.0	46.9	43.0	43.7	55.5	160°	0.0	0.0	0.0	0.0	0.0
33.7	37.6	44.6	43.7	41.7	40.8	51.7	162.5°	0.0	0.0	0.0	0.0	0.0
33.7	36.9	42.7	41.1	38.5	38.8	47.2	165°	0.0	0.0	0.0	0.0	0.0
32.7	36.9	41.1	37.2	35.3	36.9	43.3	167.5°	0.0	0.0	0.0	0.0	0.0
32.1	37.9	36.6	34.3	34.3	35.9	41.4	170°	0.0	0.0	0.0	0.0	0.0
31.8	38.8	34.7	33.4	33.4	35.6	40.4	172.5°	0.0	0.0	0.0	0.0	0.0
30.8	36.3	31.8	31.1	32.1	33.7	39.2	175°	0.0	0.0	0.0	0.0	0.0
28.9	30.2	29.2	29.2	30.5	32.4	38.5	177.5°	0.0	0.0	0.0	0.0	0.0
26.6	27.3	27.3	27.6	28.9	30.5	39.2	180°	0.0	0.0	0.0	0.0	0.0
24.7	24.7	25.4	25.7	26.6	28.9	37.6						
22.5	22.8	22.8	23.4	24.1	26.3	36.3						
19.9	19.9	20.5	20.5	21.5	23.8	32.4						
17.3	17.3	17.3	17.7	18.3	20.5	26.6						
14.4	14.4	14.4	14.8	15.1	17.0	20.2						
11.6	11.2	10.9	10.9	11.6	13.2	15.7						
8.0	8.0	7.7	7.7	7.7	8.7	10.6						
4.5	3.9	4.2	4.5	4.2	4.8	5.8						
0.3	0.6	1.0	1.3	1.3	1.3	1.9						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						



REPORT NUMBER: P227194

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**CANDELA DISTRIBUTION (continued):**

295°	300°	305°	310°	315°	320°		325°	330°	335°	340°	345°	350°
0.0	0.0	0.0	0.0	0.0	0.0	0°	630.0	630.0	630.0	630.0	630.0	630.0
0.0	0.0	0.0	0.0	0.0	0.0	2.5°	593.1	601.5	614.6	617.2	627.8	635.2
0.0	0.0	0.0	0.0	0.0	0.0	5°	502.6	522.5	529.6	543.4	567.5	579.6
0.0	0.0	0.0	0.0	0.0	0.0	7.5°	414.7	429.8	446.8	468.9	486.6	507.4
0.0	0.0	0.0	0.0	0.0	0.0	10°	341.2	362.7	384.8	402.8	427.5	452.5
0.0	0.0	0.0	0.0	0.0	0.0	12.5°	303.0	314.9	336.7	362.0	392.9	420.8
0.0	0.0	0.0	0.0	0.0	0.0	15°	283.1	297.2	320.6	347.6	380.3	415.0
0.0	0.0	0.0	0.0	0.0	0.0	17.5°	258.4	280.8	307.5	346.0	388.4	436.5
0.0	0.0	0.0	0.0	0.0	0.0	20°	234.0	261.3	296.2	347.0	405.7	468.3
0.0	0.0	0.0	0.0	0.0	0.0	22.5°	212.5	244.9	289.2	352.7	427.8	511.3
0.0	0.0	0.0	0.0	0.0	0.0	25°	187.1	230.4	283.7	364.6	461.9	569.1
0.0	0.0	0.0	0.0	0.0	0.0	27.5°	166.9	216.6	275.7	374.9	493.0	624.6
0.0	0.0	0.0	0.0	0.0	0.0	30°	144.4	200.6	264.5	378.4	530.9	670.2
0.0	0.0	0.0	0.0	0.0	0.0	32.5°	126.5	185.5	251.6	375.2	547.9	701.9
0.0	0.0	0.0	0.0	0.0	0.0	35°	117.8	174.6	240.7	364.0	562.0	736.3
0.0	0.0	0.0	0.0	0.0	0.0	37.5°	112.0	162.7	230.1	345.3	578.0	770.3
0.0	0.0	0.0	0.0	0.0	0.0	40°	104.6	153.4	221.5	331.9	590.6	798.5
0.0	0.0	0.0	0.0	0.0	0.0	42.5°	97.9	145.1	214.7	320.0	593.8	823.9
0.0	0.0	0.0	0.0	0.0	0.0	45°	92.1	139.9	209.6	320.6	596.0	859.2
0.0	0.0	0.0	0.0	0.0	0.0	47.5°	87.6	135.1	207.7	331.5	619.8	908.3
0.0	0.0	0.0	0.0	0.0	0.0	50°	83.4	131.0	204.4	352.7	658.0	974.7
0.0	0.0	0.0	0.0	0.0	0.0	52.5°	78.6	125.2	200.3	374.6	699.7	1063.7
0.0	0.0	0.0	0.0	0.0	0.0	55°	72.2	117.5	195.8	392.9	756.5	1171.8
0.0	0.0	0.0	0.0	0.0	0.0	57.5°	62.3	108.5	192.9	402.2	791.5	1234.1
0.0	0.0	0.0	0.0	0.0	0.0	59°	57.1	99.8	191.3	397.7	800.8	1244.7
0.0	0.0	0.0	0.0	0.0	0.0	60°	54.2	94.7	188.7	392.2	803.4	1237.9
0.0	0.0	0.0	0.0	0.0	0.0	62.5°	50.4	82.5	178.1	364.9	767.4	1156.4
0.0	0.0	0.0	0.0	0.0	0.0	65°	51.4	78.0	154.1	310.7	684.9	997.2
0.0	0.0	0.0	0.0	0.0	0.0	67.5°	52.6	76.1	133.2	251.0	545.9	825.2
						70°	51.7	75.1	121.0	199.6	408.9	617.8
						72.5°	50.4	70.9	105.0	160.5	259.3	432.6
						75°	44.6	59.7	82.5	110.1	163.7	315.2
						77.5°	35.0	45.9	58.4	68.4	83.1	222.4
						80°	25.7	33.4	38.2	41.1	46.2	151.8
						82.5°	18.3	22.5	24.4	26.0	30.8	113.6
						85°	13.8	15.7	17.0	17.0	20.9	80.2
						87.5°	7.7	8.0	8.0	8.7	10.3	21.8
						90°	2.2	2.2	1.9	2.2	1.6	1.3
						92.5°	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
						97.5°	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
						102.5°	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
						107.5°	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P227194

CATALOG NUMBER: ISW-AF-350-LED-E1-SLL-7030

**CANDELA DISTRIBUTION (continued):**

355°	359°	360°		325°	330°	335°	340°	345°	350°	355°
630.0	630.0	630.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
643.5	648.3	652.2	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
598.3	610.1	612.4	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
530.5	549.8	556.5	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
480.8	501.7	508.7	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
453.5	477.9	485.6	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
454.2	483.4	494.6	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
483.7	517.1	530.9	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
534.4	582.9	593.1	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
603.1	650.6	666.0	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
667.6	730.5	742.4	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
731.1	793.4	804.0	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
780.2	845.4	854.4	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
827.4	900.9	910.9	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
880.1	961.3	972.8	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
927.6	1020.6	1028.0	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
980.2	1069.1	1071.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1023.2	1105.1	1105.7	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1064.9	1138.8	1139.1	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1108.6	1175.7	1170.9	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1177.6	1219.3	1224.1	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1282.5	1319.8	1325.2	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1404.5	1456.2	1448.8	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1456.2	1515.2	1521.3	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1447.5	1528.1	1538.3	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1433.7	1524.2	1536.7	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1355.4	1484.1	1503.7	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1223.8	1401.0	1428.6	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1054.7	1276.8	1298.9	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
822.9	1037.7	1056.6								
546.9	712.5	745.3								
347.6	459.6	453.5								
256.4	298.8	299.1								
186.2	205.1	202.8								
144.1	125.2	124.9								
50.4	44.3	43.3								
21.8	18.3	18.6								
1.0	1.0	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								

