

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: P226909

Luminaire Tested: **ISW-AF-1000-LED-E1-SL3-7030-ULG**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P226909  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35946)-DOWNLIGHT AND  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: ISW-AF-1000-LED-E1-SL3-7030-ULG  
Description: IMPACT ELITE LED WEDGE LUMINAIRE WITH UPLIGHT  
LIGHT SQUARE WITH ACCULED OPTICS-TYPE III W/SPILL CONTROL, WITH UPLIGHT  
GLOW  
Light Source: (16) 3000K CCT, 70 CRI LEDs and (1) UPLIGHT LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6812.4 lumens  
Efficiency: N/A  
Efficacy: 95.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B1 - U5 - G1

Input Watts (W): 71.3  
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

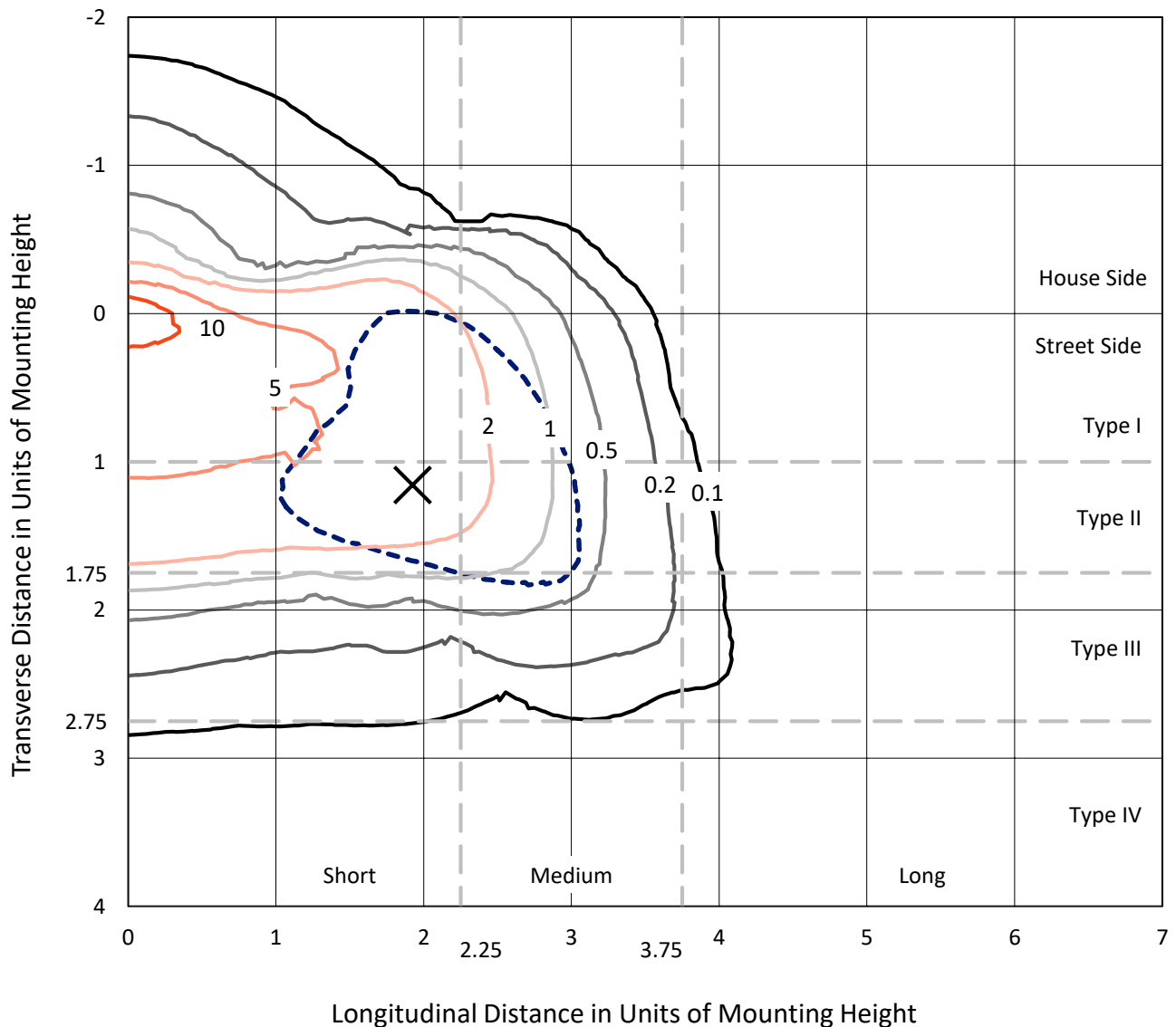


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

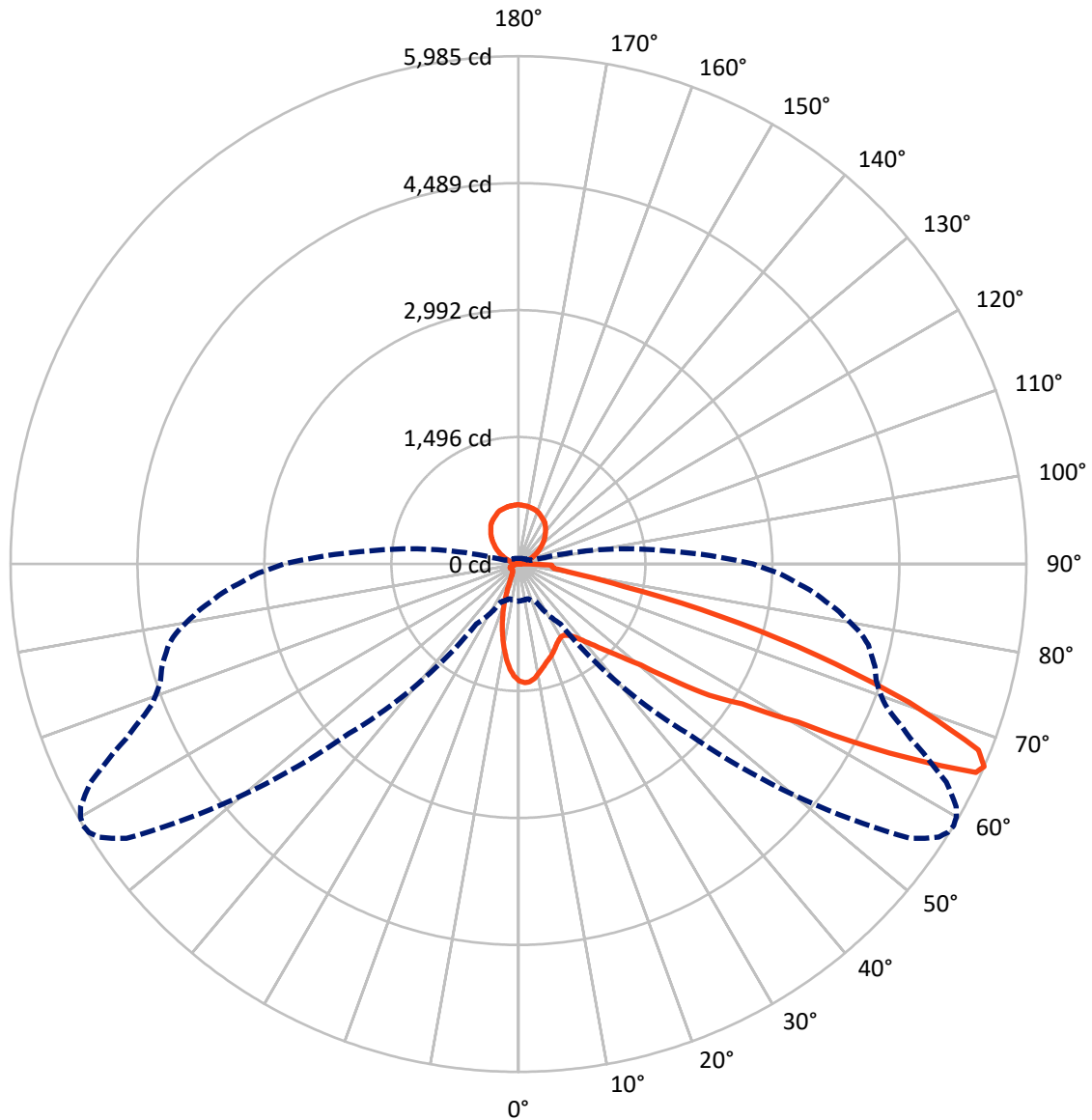


Based on 10 foot mounting height. Maximum calculated value = 13.8 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

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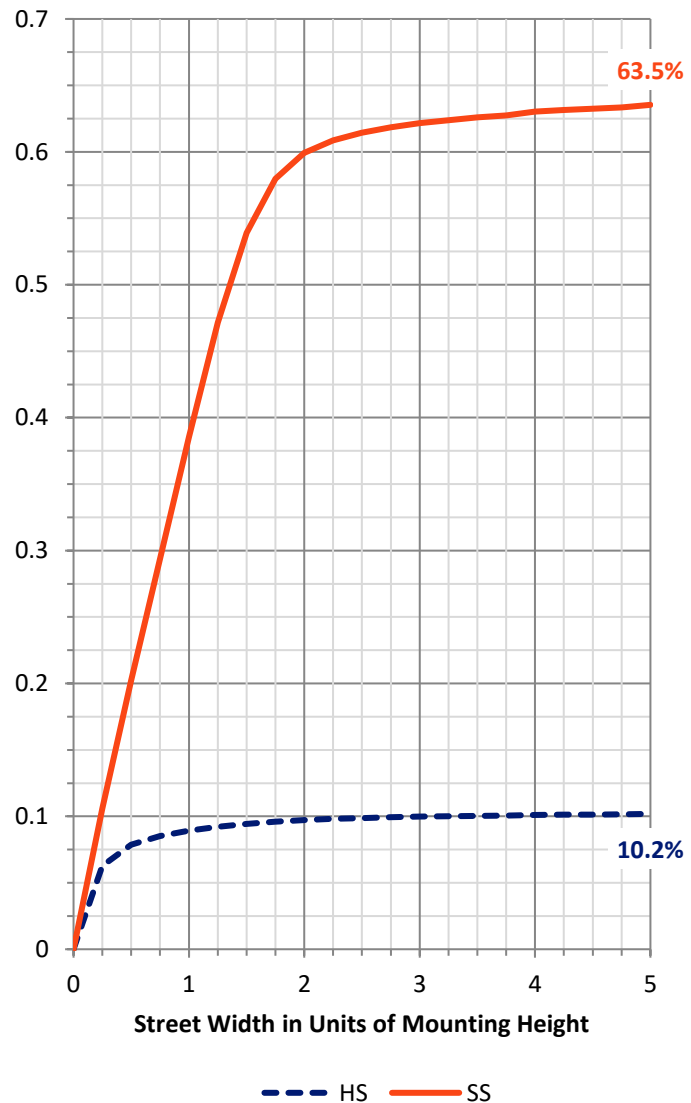
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	704.8	867.9	1572.7
	% Fixture	10.3	12.7	23.1
<b>Street Side</b>	Lumens	4370.3	869.4	5239.7
	% Fixture	64.2	12.8	76.9
<b>Total</b>	Lumens	5075.1	1737.3	6812.4
	% Fixture	74.5	25.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.5	1.7
10°-20°	248.3	3.6
20°-30°	311.5	4.6
30°-40°	426.2	6.3
40°-50°	685.6	10.1
50°-60°	1191.3	17.5
60°-70°	1447.4	21.2
70°-80°	540.0	7.9
80°-90°	107.2	1.6
90°-100°	11.4	0.2
100°-110°	57.4	0.8
110°-120°	166.1	2.4
120°-130°	273.2	4.0
130°-140°	336.8	4.9
140°-150°	344.6	5.1
150°-160°	290.3	4.3
160°-170°	191.2	2.8
170°-180°	66.3	1.0
0°-90°	5075.1	74.5
0°-180°	6812.4	100.0



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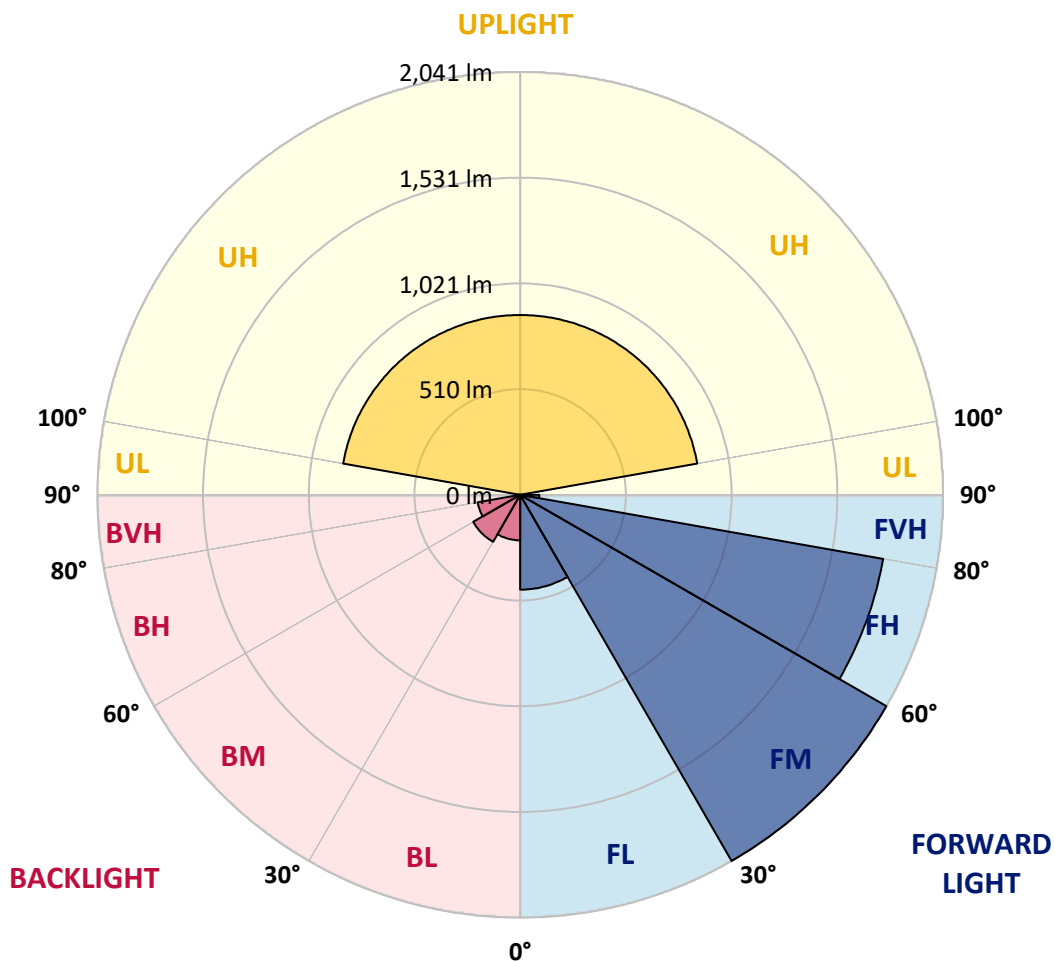
CATALOG NUMBER: ISW-AF-1000-LED-E1-SL3-7030-ULG

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	457.8	6.7			
FM	(30°-60°)	2041.2	30.0			
FH	(60°-80°)	1779.1	26.1			G1/1800
FVH	(80°-90°)	92.1	1.4			G1/100
BL	(0°-30°)	219.6	3.2	B1/500		
BM	(30°-60°)	261.9	3.8	B1/1000		
BH	(60°-80°)	208.3	3.1	B1/500		G1/500
BVH	(80°-90°)	15.1	0.2			G1/100
UL	(90°-100°)	11.4	0.2		U2/50	
UH	(100°-180°)	867.9	12.7		U4/1000	

**BUG Rating: B1-U5-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	1379.1	1379.1	1379.1	1379.1	1379.1	1379.1	1379.1	1379.1	1379.1	1379.1	1379.1
2.5°	1414.9	1410.2	1418.8	1415.6	1418.0	1406.3	1404.0	1401.6	1403.2	1400.9	1400.9
5°	1381.4	1379.1	1389.2	1394.6	1399.3	1397.7	1397.0	1397.0	1397.7	1392.3	1393.1
7.5°	1283.3	1281.8	1295.8	1305.9	1328.5	1341.7	1358.8	1359.6	1361.2	1358.8	1363.5
10°	1179.1	1183.7	1196.2	1212.5	1246.0	1266.2	1298.9	1305.1	1307.5	1308.2	1309.0
12.5°	1079.4	1074.8	1090.3	1121.5	1166.6	1199.3	1240.5	1243.6	1247.5	1253.0	1258.4
15°	990.7	996.2	1008.6	1041.3	1088.8	1134.7	1188.4	1191.5	1199.3	1204.0	1211.7
17.5°	930.0	930.0	944.0	974.4	1018.7	1077.1	1144.8	1150.3	1156.5	1162.7	1171.3
20°	899.7	899.7	905.1	923.0	961.9	1018.0	1099.7	1105.9	1116.8	1123.8	1135.5
22.5°	897.3	896.5	895.8	899.7	923.0	966.6	1051.4	1060.0	1069.3	1080.2	1090.3
25°	922.2	924.6	915.2	909.0	911.3	931.6	1005.5	1010.2	1028.1	1035.1	1047.5
27.5°	958.0	961.9	954.1	944.8	930.8	917.6	966.6	974.4	986.0	997.7	1013.3
30°	1009.4	1008.6	1007.8	1001.6	974.4	933.1	954.9	960.4	970.5	979.8	993.0
32.5°	1064.6	1070.9	1075.5	1072.4	1044.4	974.4	971.3	975.9	985.3	990.7	999.3
35°	1136.2	1139.4	1157.3	1157.3	1129.2	1048.3	1017.2	1021.1	1025.7	1028.1	1034.3
37.5°	1214.9	1225.7	1252.2	1267.8	1224.2	1140.1	1089.6	1089.6	1091.9	1093.4	1097.3
40°	1305.9	1321.5	1358.0	1387.6	1359.6	1254.5	1184.5	1191.5	1189.2	1186.1	1194.6
42.5°	1411.7	1428.9	1473.2	1501.2	1484.9	1392.3	1312.1	1307.5	1314.5	1305.1	1308.2
45°	1534.7	1547.9	1593.1	1622.7	1635.9	1561.2	1479.5	1470.1	1470.1	1449.9	1458.4
47.5°	1645.2	1649.1	1692.7	1744.8	1787.6	1789.2	1674.0	1667.8	1653.0	1639.8	1636.7
50°	1748.0	1759.6	1787.6	1844.5	1934.0	2011.8	1941.7	1922.3	1905.9	1856.9	1871.7
52.5°	1926.2	1948.7	1966.6	2000.9	2106.7	2264.7	2351.1	2320.7	2316.9	2272.5	2262.4
55°	1959.6	1962.0	2021.1	2218.8	2467.8	2581.5	2747.2	2746.5	2758.9	2744.9	2731.7
57.5°	1802.4	1783.8	1882.6	2143.3	2643.7	3227.4	3176.8	3182.3	3165.9	3123.1	3109.9
60°	1404.0	1419.5	1526.2	1858.5	2516.9	3644.6	3978.4	3879.6	3950.4	3839.1	3779.2
62.5°	789.9	772.0	844.4	1193.8	2064.7	3666.3	5070.3	5081.2	5115.4	5053.2	4906.9
65°	509.8	502.0	495.0	603.9	1237.4	3207.2	5674.2	5808.1	5888.3	5920.9	5923.3
66°	438.2	431.9	423.4	494.2	862.3	2825.8	5635.3	5778.5	5906.2	5966.9	5984.8
67.5°	372.8	363.4	361.9	409.4	600.0	2192.3	5264.1	5489.0	5601.9	5759.1	5844.7
70°	284.8	280.2	294.2	353.3	460.7	1032.0	4194.8	4488.2	4682.7	4805.7	4885.1
72.5°	238.9	237.4	256.8	323.0	436.6	585.2	2936.3	3251.5	3454.7	3572.2	3681.1
75°	186.8	188.3	214.0	308.2	434.3	509.8	1705.9	2006.3	2124.6	2309.9	2451.5
77.5°	140.1	138.5	158.8	249.0	423.4	516.8	886.4	1010.9	1140.9	1235.1	1269.3
80°	98.1	99.6	113.6	171.2	330.0	531.5	552.6	581.4	608.6	638.9	645.2
82.5°	65.4	66.2	84.1	117.5	228.8	507.4	516.0	502.8	481.7	455.3	426.5
85°	39.7	41.2	59.9	79.4	177.4	459.2	533.9	498.9	467.0	431.9	396.9
87.5°	20.2	22.6	35.8	46.7	105.1	226.5	555.7	530.0	486.4	432.7	393.8
90°	10.4	10.4	14.8	19.7	29.0	52.9	147.1	133.3	70.4	127.5	66.9
92.5°	4.0	4.0	5.0	6.0	6.0	6.0	7.0	7.0	7.0	7.0	7.0
95°	5.0	5.0	6.0	7.0	7.0	7.0	7.0	7.1	7.2	7.3	7.4
97.5°	7.0	7.0	8.0	8.0	9.0	9.0	12.0	11.8	11.6	11.4	11.2
100°	8.0	8.0	9.0	10.0	12.0	21.0	29.0	28.7	28.4	28.1	27.8
102.5°	11.0	11.0	13.0	18.0	27.0	40.0	50.0	49.7	49.4	49.1	48.8
105°	21.0	22.0	27.0	36.0	48.0	63.0	72.0	71.8	71.6	71.4	71.2
107.5°	41.0	42.0	49.0	58.0	73.0	88.0	95.0	94.9	94.8	94.7	94.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
110°	66.0	68.0	74.0	87.0	102.0	114.0	120.0	120.1	120.2	120.3	120.4
112.5°	99.0	99.0	106.0	121.0	134.0	143.0	148.0	148.2	148.4	148.6	148.8
115°	140.0	139.0	147.0	159.0	168.0	174.0	179.0	179.3	179.6	179.9	180.2
117.5°	184.0	184.0	189.0	197.0	202.0	205.0	211.0	211.4	211.8	212.2	212.6
120°	225.0	223.0	226.0	233.0	237.0	243.0	246.0	246.4	246.8	247.2	247.6
122.5°	263.0	260.0	261.0	267.0	271.0	277.0	279.0	279.4	279.8	280.2	280.6
125°	298.0	294.0	296.0	299.0	305.0	310.0	313.0	313.2	313.4	313.6	313.8
127.5°	330.0	329.0	329.0	333.0	339.0	340.0	345.0	345.1	345.2	345.3	345.4
130°	363.0	361.0	362.0	366.0	370.0	372.0	377.0	377.4	377.8	378.2	378.6
132.5°	396.0	394.0	393.0	401.0	404.0	405.0	411.0	411.5	412.0	412.5	413.0
135°	429.0	426.0	426.0	432.0	435.0	437.0	443.0	443.5	444.0	444.5	445.0
137.5°	460.0	457.0	459.0	460.0	464.0	468.0	473.0	473.2	473.4	473.6	473.8
140°	488.0	485.0	487.0	489.0	491.0	497.0	500.0	500.2	500.4	500.6	500.8
142.5°	518.0	515.0	517.0	518.0	521.0	525.0	527.0	527.6	528.2	528.8	529.4
145°	550.0	546.0	544.0	547.0	550.0	551.0	556.0	556.6	557.2	557.8	558.4
147.5°	575.0	572.0	571.0	574.0	574.0	575.0	580.0	580.5	581.0	581.5	582.0
150°	595.0	592.0	593.0	593.0	593.0	593.0	597.0	597.3	597.6	597.9	598.2
152.5°	611.0	608.0	608.0	609.0	610.0	610.0	611.0	611.3	611.6	611.9	612.2
155°	629.0	625.0	625.0	627.0	630.0	628.0	626.0	626.5	627.0	627.5	628.0
157.5°	646.0	643.0	643.0	644.0	646.0	645.0	644.0	644.4	644.8	645.2	645.6
160°	663.0	660.0	659.0	656.0	655.0	655.0	658.0	658.6	659.2	659.8	660.4
162.5°	673.0	669.0	669.0	665.0	661.0	663.0	667.0	667.4	667.8	668.2	668.6
165°	681.0	678.0	676.0	676.0	673.0	673.0	672.0	672.5	673.0	673.5	674.0
167.5°	690.0	687.0	684.0	686.0	688.0	685.0	678.0	678.6	679.2	679.8	680.4
170°	698.0	695.0	692.0	692.0	693.0	691.0	686.0	686.3	686.6	686.9	687.2
172.5°	699.0	697.0	695.0	693.0	690.0	690.0	689.0	689.3	689.6	689.9	690.2
175°	700.0	698.0	697.0	695.0	691.0	690.0	690.0	690.5	691.0	691.5	692.0
177.5°	707.0	705.0	700.0	699.0	697.0	695.0	694.0	694.5	695.0	695.5	696.0
180°	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0





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**CANDELA DISTRIBUTION (continued):**

	60°	61°	62°	63°	64°	65°	66°	67°	68°	69°	70°
0°	1379.1	1379.1	1379.1	1379.1	1379.1	1379.1	1379.1	1379.1	1379.1	1379.1	1379.1
2.5°	1400.1	1401.6	1400.1	1397.7	1400.1	1397.7	1397.0	1396.2	1397.0	1395.4	1394.6
5°	1393.1	1394.6	1394.6	1390.0	1389.2	1392.3	1387.6	1389.2	1387.6	1386.1	1383.0
7.5°	1359.6	1360.4	1361.2	1358.0	1360.4	1360.4	1358.8	1358.8	1357.3	1358.0	1354.9
10°	1312.9	1316.0	1319.1	1317.6	1316.8	1323.8	1320.7	1323.0	1323.0	1320.7	1321.5
12.5°	1262.3	1267.8	1271.7	1271.7	1274.8	1282.6	1281.8	1283.3	1289.6	1289.6	1287.2
15°	1215.6	1221.1	1227.3	1232.0	1238.2	1243.6	1247.5	1253.8	1256.9	1256.9	1260.8
17.5°	1179.1	1186.8	1193.8	1196.2	1204.7	1214.1	1216.4	1224.2	1228.9	1231.2	1235.9
20°	1143.3	1151.8	1160.4	1168.2	1175.9	1186.8	1192.3	1197.0	1204.7	1209.4	1216.4
22.5°	1101.2	1114.5	1125.4	1134.7	1147.9	1157.3	1168.2	1175.9	1185.3	1192.3	1197.7
25°	1061.5	1079.4	1094.2	1103.6	1121.5	1134.7	1147.9	1159.6	1171.3	1181.4	1189.2
27.5°	1025.0	1045.2	1063.1	1077.9	1097.3	1118.3	1131.6	1151.0	1166.6	1180.6	1189.9
30°	1007.1	1024.2	1042.9	1060.0	1079.4	1105.9	1127.7	1152.6	1172.0	1189.9	1204.0
32.5°	1010.9	1026.5	1042.9	1057.6	1077.9	1107.5	1130.0	1158.8	1187.6	1211.0	1228.9
35°	1042.1	1056.1	1067.0	1080.2	1098.1	1120.7	1144.8	1175.2	1211.0	1242.1	1265.4
37.5°	1107.5	1111.3	1122.2	1132.4	1141.7	1162.7	1185.3	1211.0	1252.2	1284.9	1317.6
40°	1188.4	1198.5	1208.6	1213.3	1224.2	1237.4	1247.5	1274.8	1311.4	1354.2	1390.0
42.5°	1309.0	1312.9	1314.5	1316.0	1319.9	1329.3	1344.0	1368.9	1404.7	1442.9	1482.6
45°	1444.4	1449.1	1453.8	1456.1	1450.7	1456.1	1471.7	1483.3	1518.4	1554.2	1604.8
47.5°	1632.0	1618.0	1611.0	1620.3	1615.7	1627.3	1634.3	1641.3	1683.4	1726.2	1769.0
50°	1872.5	1863.9	1853.0	1853.8	1862.4	1854.6	1859.2	1884.9	1898.9	1934.7	1991.5
52.5°	2256.9	2230.5	2189.2	2171.3	2181.4	2175.2	2177.5	2183.0	2173.7	2207.1	2255.4
55°	2731.7	2697.4	2670.2	2654.6	2597.0	2592.4	2554.2	2540.2	2509.9	2541.8	2530.9
57.5°	3070.2	3048.4	3034.4	2987.7	2961.2	2908.3	2892.8	2874.1	2832.1	2853.1	2871.7
60°	3723.9	3646.1	3619.6	3537.9	3510.7	3460.1	3395.5	3363.6	3341.8	3362.0	3349.6
62.5°	4815.0	4706.9	4685.9	4492.1	4444.6	4327.9	4206.5	4190.1	4121.6	4078.8	4068.7
65°	5880.5	5725.6	5609.6	5398.0	5254.8	5088.2	4903.0	4767.6	4628.3	4558.2	4465.6
66°	5959.9	5898.4	5781.6	5657.9	5449.3	5267.2	5057.1	4910.8	4754.3	4631.4	4552.0
67.5°	5824.4	5791.8	5750.5	5666.5	5535.7	5366.0	5166.8	4980.0	4791.7	4646.9	4520.1
70°	4923.2	4959.0	5005.7	4983.9	4909.2	4843.1	4667.2	4562.9	4421.2	4231.4	4153.5
72.5°	3716.2	3811.9	3779.2	3656.2	3598.6	3552.7	3488.9	3418.9	3215.7	3192.4	3100.6
75°	2390.8	2358.9	2379.9	2230.5	2128.5	2086.5	1934.7	1872.5	1719.9	1621.1	1545.6
77.5°	1260.0	1197.7	1149.5	1018.0	923.8	868.5	794.6	707.4	573.6	565.8	443.6
80°	584.5	537.0	493.4	447.5	401.6	340.9	295.7	241.3	213.2	182.9	170.4
82.5°	396.9	366.6	340.1	309.7	274.7	232.7	200.8	170.4	145.5	130.7	119.1
85°	359.6	326.9	297.3	259.2	222.6	187.6	153.3	126.9	103.5	90.3	82.5
87.5°	349.4	309.0	277.8	236.6	200.8	165.0	132.3	102.7	80.2	65.4	56.0
90°	52.4	55.7	42.6	41.3	22.8	26.9	22.2	16.8	17.6	15.2	16.0
92.5°	7.0	7.0	7.0	7.0	7.0	7.0	6.9	6.8	6.7	6.6	6.5
95°	7.5	7.6	7.7	7.8	7.9	8.0	7.9	7.8	7.7	7.6	7.5
97.5°	11.0	10.8	10.6	10.4	10.2	10.0	9.9	9.8	9.7	9.6	9.5
100°	27.5	27.2	26.9	26.6	26.3	26.0	25.7	25.4	25.1	24.8	24.5
102.5°	48.5	48.2	47.9	47.6	47.3	47.0	46.5	46.0	45.5	45.0	44.5
105°	71.0	70.8	70.6	70.4	70.2	70.0	69.5	69.0	68.5	68.0	67.5
107.5°	94.5	94.4	94.3	94.2	94.1	94.0	93.6	93.2	92.8	92.4	92.0



REPORT NUMBER: P226909

CATALOG NUMBER: ISW-AF-1000-LED-E1-SL3-7030-ULG

**CANDELA DISTRIBUTION (continued):**

	60°	61°	62°	63°	64°	65°	66°	67°	68°	69°	70°
110°	120.5	120.6	120.7	120.8	120.9	121.0	120.8	120.6	120.4	120.2	120.0
112.5°	149.0	149.2	149.4	149.6	149.8	150.0	149.9	149.8	149.7	149.6	149.5
115°	180.5	180.8	181.1	181.4	181.7	182.0	181.7	181.4	181.1	180.8	180.5
117.5°	213.0	213.4	213.8	214.2	214.6	215.0	214.5	214.0	213.5	213.0	212.5
120°	248.0	248.4	248.8	249.2	249.6	250.0	249.5	249.0	248.5	248.0	247.5
122.5°	281.0	281.4	281.8	282.2	282.6	283.0	282.5	282.0	281.5	281.0	280.5
125°	314.0	314.2	314.4	314.6	314.8	315.0	314.5	314.0	313.5	313.0	312.5
127.5°	345.5	345.6	345.7	345.8	345.9	346.0	346.0	346.0	346.0	346.0	346.0
130°	379.0	379.4	379.8	380.2	380.6	381.0	381.0	381.0	381.0	381.0	381.0
132.5°	413.5	414.0	414.5	415.0	415.5	416.0	415.8	415.6	415.4	415.2	415.0
135°	445.5	446.0	446.5	447.0	447.5	448.0	447.9	447.8	447.7	447.6	447.5
137.5°	474.0	474.2	474.4	474.6	474.8	475.0	475.1	475.2	475.3	475.4	475.5
140°	501.0	501.2	501.4	501.6	501.8	502.0	502.2	502.4	502.6	502.8	503.0
142.5°	530.0	530.6	531.2	531.8	532.4	533.0	533.0	533.0	533.0	533.0	533.0
145°	559.0	559.6	560.2	560.8	561.4	562.0	561.9	561.8	561.7	561.6	561.5
147.5°	582.5	583.0	583.5	584.0	584.5	585.0	585.1	585.2	585.3	585.4	585.5
150°	598.5	598.8	599.1	599.4	599.7	600.0	600.3	600.6	600.9	601.2	601.5
152.5°	612.5	612.8	613.1	613.4	613.7	614.0	614.4	614.8	615.2	615.6	616.0
155°	628.5	629.0	629.5	630.0	630.5	631.0	631.5	632.0	632.5	633.0	633.5
157.5°	646.0	646.4	646.8	647.2	647.6	648.0	648.2	648.4	648.6	648.8	649.0
160°	661.0	661.6	662.2	662.8	663.4	664.0	663.7	663.4	663.1	662.8	662.5
162.5°	669.0	669.4	669.8	670.2	670.6	671.0	670.9	670.8	670.7	670.6	670.5
165°	674.5	675.0	675.5	676.0	676.5	677.0	677.3	677.6	677.9	678.2	678.5
167.5°	681.0	681.6	682.2	682.8	683.4	684.0	684.4	684.8	685.2	685.6	686.0
170°	687.5	687.8	688.1	688.4	688.7	689.0	689.5	690.0	690.5	691.0	691.5
172.5°	690.5	690.8	691.1	691.4	691.7	692.0	692.2	692.4	692.6	692.8	693.0
175°	692.5	693.0	693.5	694.0	694.5	695.0	695.1	695.2	695.3	695.4	695.5
177.5°	696.5	697.0	697.5	698.0	698.5	699.0	699.2	699.4	699.6	699.8	700.0
180°	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0



REPORT NUMBER: P226909

CATALOG NUMBER: ISW-AF-1000-LED-E1-SL3-7030-ULG

**CANDELA DISTRIBUTION (continued):**

	71°	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°
0°	1379.1	1379.1	1379.1	1379.1	1379.1	1379.1	1379.1	1379.1	1379.1	1379.1	1379.1
2.5°	1393.1	1390.7	1393.1	1392.3	1389.2	1390.0	1390.7	1387.6	1386.1	1386.1	1385.3
5°	1380.6	1379.1	1380.6	1379.8	1375.2	1374.4	1374.4	1372.1	1368.9	1366.6	1365.1
7.5°	1351.0	1352.6	1351.8	1349.5	1347.2	1347.2	1344.8	1339.4	1336.3	1333.1	1330.0
10°	1317.6	1317.6	1318.4	1317.6	1313.7	1312.1	1309.0	1305.9	1306.7	1298.9	1292.7
12.5°	1288.0	1288.0	1287.2	1285.7	1283.3	1282.6	1282.6	1273.2	1270.9	1268.6	1261.5
15°	1260.0	1261.5	1261.5	1261.5	1257.7	1257.7	1253.8	1247.5	1247.5	1240.5	1233.5
17.5°	1238.2	1240.5	1239.8	1240.5	1241.3	1236.6	1229.6	1225.7	1221.1	1217.2	1207.8
20°	1219.5	1221.1	1221.9	1221.9	1219.5	1216.4	1210.2	1204.0	1200.8	1193.1	1181.4
22.5°	1202.4	1205.5	1206.3	1206.3	1203.2	1200.8	1194.6	1185.3	1179.1	1169.7	1158.8
25°	1195.4	1199.3	1197.0	1198.5	1195.4	1189.9	1181.4	1173.6	1164.3	1152.6	1140.9
27.5°	1197.7	1203.2	1201.6	1200.8	1197.0	1193.1	1182.2	1172.8	1161.9	1147.9	1133.1
30°	1211.7	1221.1	1217.2	1214.1	1213.3	1204.0	1193.8	1180.6	1168.2	1151.8	1134.7
32.5°	1238.2	1242.9	1243.6	1241.3	1237.4	1229.6	1215.6	1198.5	1184.5	1165.0	1144.8
35°	1281.8	1286.5	1284.9	1284.9	1281.0	1268.6	1251.4	1234.3	1214.9	1193.1	1172.0
37.5°	1342.5	1351.0	1349.5	1346.4	1341.7	1326.9	1313.7	1292.7	1270.9	1242.1	1218.0
40°	1418.8	1432.0	1443.7	1441.3	1430.4	1417.2	1404.7	1380.6	1358.8	1326.9	1300.5
42.5°	1521.5	1539.4	1554.2	1565.1	1560.4	1543.3	1521.5	1511.4	1480.2	1447.5	1420.3
45°	1653.0	1690.4	1703.6	1716.8	1716.8	1705.9	1701.3	1681.0	1648.3	1604.8	1579.1
47.5°	1826.6	1876.4	1891.2	1913.7	1927.0	1915.3	1906.7	1872.5	1850.7	1790.8	1784.5
50°	2037.5	2087.3	2127.7	2154.2	2150.3	2160.4	2140.2	2120.7	2090.4	2041.4	2024.2
52.5°	2306.7	2346.4	2383.0	2398.6	2414.9	2412.6	2407.9	2394.7	2356.5	2330.1	2286.5
55°	2583.0	2615.7	2660.1	2685.7	2706.8	2702.9	2685.0	2653.1	2660.1	2604.8	2580.7
57.5°	2897.4	2933.2	2981.5	3005.6	3014.9	3062.4	3050.7	3046.9	3033.6	3014.2	2989.3
60°	3438.3	3448.4	3488.1	3548.8	3623.5	3608.8	3627.4	3639.9	3649.2	3605.6	3602.5
62.5°	4082.7	4095.2	4129.4	4141.9	4152.8	4154.3	4129.4	4129.4	4086.6	4030.6	3987.0
65°	4434.5	4408.8	4385.4	4372.2	4343.4	4317.7	4280.4	4229.8	4157.4	4071.0	3993.2
66°	4485.1	4432.9	4402.6	4369.1	4323.2	4275.7	4231.4	4162.1	4077.3	3974.5	3871.8
67.5°	4436.0	4364.4	4293.6	4244.6	4180.8	4095.2	4017.3	3936.4	3856.2	3715.4	3619.6
70°	3988.5	3902.9	3825.1	3717.7	3616.5	3532.5	3398.6	3257.8	3141.8	2993.9	2899.8
72.5°	2962.0	2860.9	2759.7	2608.7	2461.6	2439.8	2271.7	2105.9	2017.2	1898.2	1802.4
75°	1463.1	1335.5	1154.1	1073.2	955.7	898.1	866.2	746.3	717.5	600.0	598.5
77.5°	413.3	354.9	315.2	274.7	257.6	245.1	202.3	193.8	175.9	172.8	162.7
80°	156.4	147.9	144.0	140.1	136.2	133.9	132.3	126.1	123.0	118.3	116.0
82.5°	112.8	109.7	102.7	100.4	97.3	92.6	91.8	87.9	85.6	80.9	79.4
85°	76.3	72.4	68.5	64.6	63.0	62.3	59.9	58.4	56.8	54.5	53.7
87.5°	51.4	47.5	42.8	41.2	40.5	41.2	42.0	40.5	39.7	38.1	37.4
90°	15.2	17.6	16.8	16.8	18.3	16.6	16.4	17.0	16.0	15.8	14.8
92.5°	6.4	6.3	6.2	6.1	6.0	6.0	6.0	6.0	6.0	6.0	6.0
95°	7.4	7.3	7.2	7.1	7.0	7.0	7.0	7.0	7.0	7.0	7.0
97.5°	9.4	9.3	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.5	8.4
100°	24.2	23.9	23.6	23.3	23.0	22.6	22.2	21.8	21.4	21.0	20.6
102.5°	44.0	43.5	43.0	42.5	42.0	41.7	41.4	41.1	40.8	40.5	40.2
105°	67.0	66.5	66.0	65.5	65.0	64.6	64.2	63.8	63.4	63.0	62.6
107.5°	91.6	91.2	90.8	90.4	90.0	89.7	89.4	89.1	88.8	88.5	88.2



REPORT NUMBER: P226909  
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REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	71°	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	
110°	119.8	119.6	119.4	119.2	119.0	118.7	118.4	118.1	117.8	117.5	117.2	0°
112.5°	149.4	149.3	149.2	149.1	149.0	148.8	148.6	148.4	148.2	148.0	147.8	2.5°
115°	180.2	179.9	179.6	179.3	179.0	178.8	178.6	178.4	178.2	178.0	177.8	5°
117.5°	212.0	211.5	211.0	210.5	210.0	209.8	209.6	209.4	209.2	209.0	208.8	7.5°
120°	247.0	246.5	246.0	245.5	245.0	244.8	244.6	244.4	244.2	244.0	243.8	10°
122.5°	280.0	279.5	279.0	278.5	278.0	277.8	277.6	277.4	277.2	277.0	276.8	12.5°
125°	312.0	311.5	311.0	310.5	310.0	310.0	310.0	310.0	310.0	310.0	310.0	15°
127.5°	346.0	346.0	346.0	346.0	346.0	345.9	345.8	345.7	345.6	345.5	345.4	17.5°
130°	381.0	381.0	381.0	381.0	381.0	380.8	380.6	380.4	380.2	380.0	379.8	20°
132.5°	414.8	414.6	414.4	414.2	414.0	414.0	414.0	414.0	414.0	414.0	414.0	22.5°
135°	447.4	447.3	447.2	447.1	447.0	447.3	447.6	447.9	448.2	448.5	448.8	25°
137.5°	475.6	475.7	475.8	475.9	476.0	476.5	477.0	477.5	478.0	478.5	479.0	27.5°
140°	503.2	503.4	503.6	503.8	504.0	504.5	505.0	505.5	506.0	506.5	507.0	30°
142.5°	533.0	533.0	533.0	533.0	533.0	533.1	533.2	533.3	533.4	533.5	533.6	32.5°
145°	561.4	561.3	561.2	561.1	561.0	560.7	560.4	560.1	559.8	559.5	559.2	35°
147.5°	585.6	585.7	585.8	585.9	586.0	585.7	585.4	585.1	584.8	584.5	584.2	37.5°
150°	601.8	602.1	602.4	602.7	603.0	603.3	603.6	603.9	604.2	604.5	604.8	40°
152.5°	616.4	616.8	617.2	617.6	618.0	618.5	619.0	619.5	620.0	620.5	621.0	42.5°
155°	634.0	634.5	635.0	635.5	636.0	636.2	636.4	636.6	636.8	637.0	637.2	45°
157.5°	649.2	649.4	649.6	649.8	650.0	650.0	650.0	650.0	650.0	650.0	650.0	47.5°
160°	662.2	661.9	661.6	661.3	661.0	660.9	660.8	660.7	660.6	660.5	660.4	50°
162.5°	670.4	670.3	670.2	670.1	670.0	669.8	669.6	669.4	669.2	669.0	668.8	52.5°
165°	678.8	679.1	679.4	679.7	680.0	679.8	679.6	679.4	679.2	679.0	678.8	55°
167.5°	686.4	686.8	687.2	687.6	688.0	688.0	688.0	688.0	688.0	688.0	688.0	57.5°
170°	692.0	692.5	693.0	693.5	694.0	694.2	694.4	694.6	694.8	695.0	695.2	60°
172.5°	693.2	693.4	693.6	693.8	694.0	694.2	694.4	694.6	694.8	695.0	695.2	62.5°
175°	695.6	695.7	695.8	695.9	696.0	695.8	695.6	695.4	695.2	695.0	694.8	65°
177.5°	700.2	700.4	700.6	700.8	701.0	700.7	700.4	700.1	699.8	699.5	699.2	66°
180°	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	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: P226909  
 NUMBER: ISW-AF-1000-LED-E1-SL3-7030-ULG

REPORT NUMBER: P  
 CATALOG NUMBER:

**DISTRIBUTION (continued):**

**CANDELA DISTRIBUTION**

82°	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	110°	82°
1379.1	1379.1	1379.1	1379.1	1379.1	1379.1	1379.1	1379.1	1379.1	1379.1	1379.1	110°	116.9
1383.7	1381.4	1382.2	1379.1	1378.3	1379.8	1380.6	1380.6	1378.3	1364.3	1347.9	112.5°	147.6
1363.5	1358.8	1358.0	1355.7	1351.8	1356.5	1354.2	1350.3	1345.6	1329.3	1297.3	115°	177.6
1326.1	1323.0	1319.1	1316.0	1313.7	1312.1	1311.4	1307.5	1298.9	1268.6	1214.9	117.5°	208.6
1290.3	1286.5	1281.8	1274.8	1271.7	1267.0	1267.0	1257.7	1251.4	1213.3	1133.9	120°	243.6
1255.3	1248.3	1246.0	1241.3	1232.8	1228.9	1223.4	1214.1	1204.7	1158.8	1054.5	122.5°	276.6
1228.9	1221.9	1211.7	1208.6	1199.3	1190.7	1183.7	1171.3	1161.2	1100.4	971.3	125°	310.0
1200.1	1194.6	1183.7	1176.7	1166.6	1156.5	1144.8	1129.2	1122.2	1045.2	891.9	127.5°	345.3
1176.7	1164.3	1151.8	1145.6	1133.1	1121.5	1109.8	1091.1	1077.1	990.7	807.8	130°	379.6
1149.5	1138.6	1125.4	1114.5	1097.3	1084.1	1070.9	1051.4	1034.3	935.5	723.0	132.5°	414.0
1130.8	1115.2	1101.2	1088.8	1069.3	1053.8	1035.1	1014.1	996.9	882.5	629.6	135°	449.1
1119.9	1104.3	1086.4	1070.9	1048.3	1030.4	1010.2	986.8	965.0	839.7	541.7	137.5°	479.5
1116.8	1098.1	1079.4	1060.0	1036.6	1014.1	989.9	966.6	938.6	798.5	445.9	140°	507.5
1126.1	1103.6	1082.5	1059.2	1032.0	1006.3	982.2	951.8	923.8	762.7	351.8	142.5°	533.7
1151.8	1124.6	1100.4	1074.8	1043.6	1015.6	986.8	952.6	921.5	737.8	269.3	145°	558.9
1192.3	1166.6	1138.6	1112.9	1077.1	1046.0	1014.1	977.5	940.1	727.7	203.1	147.5°	583.9
1274.0	1239.8	1211.0	1183.7	1142.5	1110.6	1074.0	1029.6	987.6	737.0	169.7	150°	605.1
1388.4	1345.6	1319.1	1295.0	1243.6	1208.6	1166.6	1116.0	1068.5	763.5	149.4	152.5°	621.5
1546.4	1513.7	1466.2	1428.9	1376.7	1337.8	1291.1	1230.4	1177.5	800.8	139.3	155°	637.4
1744.1	1701.3	1654.6	1616.4	1559.6	1491.9	1442.9	1369.7	1309.8	859.2	134.6	157.5°	650.0
1986.1	1934.7	1871.7	1839.8	1761.2	1708.3	1642.9	1564.3	1488.0	949.5	137.0	160°	660.3
2249.1	2193.9	2144.9	2084.2	2012.6	1953.4	1891.2	1807.9	1712.2	1120.7	146.3	162.5°	668.6
2527.0	2491.2	2444.5	2365.9	2327.0	2252.3	2172.9	2081.0	2011.8	1343.3	168.9	165°	678.6
2931.7	2892.8	2887.3	2810.3	2751.1	2683.4	2621.2	2544.9	2463.2	1738.6	221.8	167.5°	688.0
3554.3	3513.8	3467.9	3408.0	3337.9	3253.9	3176.8	3074.1	2983.0	2134.7	246.7	170°	695.4
3923.2	3848.5	3766.0	3674.9	3573.0	3468.7	3365.2	3233.6	3101.3	2158.9	222.6	172.5°	695.4
3892.0	3799.4	3694.4	3570.6	3463.2	3334.8	3223.5	3053.9	2933.2	1922.3	181.3	175°	694.6
3776.9	3650.0	3551.2	3437.5	3302.9	3187.7	3070.2	2902.9	2765.1	1762.7	165.8	177.5°	698.9
3481.9	3373.7	3236.7	3127.8	3028.2	2890.4	2779.9	2623.5	2528.5	1528.5	148.6	180°	700.0
2783.0	2633.6	2517.6	2432.8	2320.0	2195.4	2097.4	1965.9	1881.8	1011.7	128.4		
1621.1	1583.7	1453.8	1380.6	1312.1	1211.0	1133.1	1070.1	959.6	490.3	113.6		
499.6	464.6	459.9	390.7	413.3	353.3	344.0	312.9	312.9	188.3	89.5		
159.5	156.4	150.2	141.6	138.5	138.5	134.6	133.9	127.6	101.2	66.9		
112.8	110.5	108.2	105.8	104.3	105.1	102.0	100.4	98.8	73.2	52.9		
77.8	75.5	70.8	70.8	69.3	68.5	69.3	66.2	65.4	51.4	44.4		
52.9	52.1	51.4	50.6	49.8	49.0	48.3	45.9	44.4	35.8	31.1		
35.0	29.6	28.8	24.9	24.1	23.3	21.8	23.3	25.7	25.7	20.2		
15.4	14.4	15.0	14.8	13.2	14.0	14.0	12.4	12.4	14.8	16.0		
6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0		
7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0		
8.3	8.2	8.1	8.0	8.0	8.0	8.0	8.0	8.0	8.0	9.0		
20.2	19.8	19.4	19.0	19.0	19.0	19.0	19.0	19.0	19.0	23.0		
39.9	39.6	39.3	39.0	38.8	38.6	38.4	38.2	38.0	39.0	42.0		
62.2	61.8	61.4	61.0	61.0	61.0	61.0	61.0	61.0	61.0	65.0		
87.9	87.6	87.3	87.0	86.8	86.6	86.4	86.2	86.0	87.0	90.0		



'226909  
 ISW-AF-1000-LED-E1-SL3-7030-ULG

REPORT NUMBER: P226909  
 CATALOG NUMBER: ISW-AF-10

**TION (continued):**

**CANDELA DISTRIBUTION (con**

83°	84°	85°	86°	87°	88°	89°	90°	95°	105°		115°	125°
116.6	116.3	116.0	116.2	116.4	116.6	116.8	117.0	116.0	119.0	0°	1379.1	1379.1
147.4	147.2	147.0	147.0	147.0	147.0	147.0	147.0	147.0	149.0	2.5°	1333.9	1321.5
177.4	177.2	177.0	177.2	177.4	177.6	177.8	178.0	177.0	179.0	5°	1263.1	1235.1
208.4	208.2	208.0	208.2	208.4	208.6	208.8	209.0	208.0	210.0	7.5°	1167.4	1112.9
243.4	243.2	243.0	243.0	243.0	243.0	243.0	243.0	243.0	245.0	10°	1057.6	979.0
276.4	276.2	276.0	276.2	276.4	276.6	276.8	277.0	276.0	278.0	12.5°	944.0	843.6
310.0	310.0	310.0	310.0	310.0	310.0	310.0	310.0	310.0	310.0	15°	838.2	705.1
345.2	345.1	345.0	345.4	345.8	346.2	346.6	347.0	345.0	346.0	17.5°	726.9	562.7
379.4	379.2	379.0	379.2	379.4	379.6	379.8	380.0	379.0	381.0	20°	620.3	424.9
414.0	414.0	414.0	414.2	414.4	414.6	414.8	415.0	414.0	414.0	22.5°	499.6	298.1
449.4	449.7	450.0	450.2	450.4	450.6	450.8	451.0	450.0	447.0	25°	366.6	216.4
480.0	480.5	481.0	481.2	481.4	481.6	481.8	482.0	481.0	476.0	27.5°	261.5	172.8
508.0	508.5	509.0	509.4	509.8	510.2	510.6	511.0	509.0	504.0	30°	195.3	145.5
533.8	533.9	534.0	534.4	534.8	535.2	535.6	536.0	534.0	533.0	32.5°	156.4	126.1
558.6	558.3	558.0	558.4	558.8	559.2	559.6	560.0	558.0	561.0	35°	133.1	114.4
583.6	583.3	583.0	583.4	583.8	584.2	584.6	585.0	583.0	586.0	37.5°	119.1	106.6
605.4	605.7	606.0	606.8	607.6	608.4	609.2	610.0	606.0	603.0	40°	111.3	102.7
622.0	622.5	623.0	624.0	625.0	626.0	627.0	628.0	623.0	618.0	42.5°	106.6	98.8
637.6	637.8	638.0	638.6	639.2	639.8	640.4	641.0	638.0	636.0	45°	104.3	96.5
650.0	650.0	650.0	651.0	652.0	653.0	654.0	655.0	650.0	650.0	47.5°	102.7	93.4
660.2	660.1	660.0	661.2	662.4	663.6	664.8	666.0	660.0	661.0	50°	101.2	93.4
668.4	668.2	668.0	669.2	670.4	671.6	672.8	674.0	668.0	670.0	52.5°	102.0	94.9
678.4	678.2	678.0	678.8	679.6	680.4	681.2	682.0	678.0	680.0	55°	105.8	94.9
688.0	688.0	688.0	689.2	690.4	691.6	692.8	694.0	688.0	688.0	57.5°	112.1	94.9
695.6	695.8	696.0	697.0	698.0	699.0	700.0	701.0	696.0	694.0	60°	116.7	96.5
695.6	695.8	696.0	697.0	698.0	699.0	700.0	701.0	696.0	694.0	62.5°	118.3	99.6
694.4	694.2	694.0	695.0	696.0	697.0	698.0	699.0	694.0	696.0	65°	116.7	101.2
698.6	698.3	698.0	698.8	699.6	700.4	701.2	702.0	698.0	701.0	66°	115.2	101.2
700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	67.5°	112.8	99.6
										70°	107.4	93.4
										72.5°	96.5	84.1
										75°	82.5	67.7
										77.5°	66.9	54.5
										80°	49.8	41.2
										82.5°	36.6	31.9
										85°	25.7	22.6
										87.5°	15.6	14.0
										90°	12.9	10.9
										92.5°	7.0	7.0
										95°	8.0	7.0
										97.5°	10.0	12.0
										100°	26.0	29.0
										102.5°	47.0	50.0
										105°	70.0	72.0
										107.5°	94.0	95.0



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**tinued):**

135°	145°	155°	165°	175°	180°
1379.1	1379.1	1379.1	1379.1	1379.1	1379.1
1312.9	1312.1	1292.7	1288.8	1275.6	1282.6
1201.6	1188.4	1153.4	1146.4	1131.6	1127.7
1068.5	1032.0	1003.9	972.8	943.2	958.0
912.9	851.4	789.9	749.5	733.1	727.7
765.0	654.5	577.5	498.1	470.1	480.2
586.0	459.9	357.2	311.3	284.8	280.2
413.3	295.0	247.5	235.8	230.4	230.4
280.2	224.9	207.0	201.6	201.6	202.3
213.2	189.1	181.3	182.1	185.2	186.0
176.7	167.3	163.4	168.9	175.1	175.9
152.5	150.2	151.0	158.0	164.2	165.0
133.9	136.2	139.3	145.5	151.0	152.5
120.6	124.5	126.9	130.7	133.9	134.6
111.3	116.0	115.2	117.5	119.9	120.6
105.8	108.2	105.8	107.4	107.4	109.0
101.2	102.0	98.1	98.8	100.4	100.4
96.5	95.7	91.8	93.4	95.7	96.5
91.8	90.3	87.2	90.3	94.2	94.9
87.9	86.4	84.8	88.7	93.4	94.2
86.4	84.8	83.3	88.7	93.4	94.2
86.4	84.8	83.3	87.2	91.8	92.6
87.2	85.6	82.5	86.4	89.5	90.3
87.9	86.4	80.9	83.3	84.8	85.6
87.9	84.8	79.4	80.2	80.2	80.9
86.4	82.5	76.3	76.3	75.5	75.5
86.4	79.4	73.2	71.6	70.0	70.0
85.6	78.6	72.4	70.0	67.7	67.7
84.1	77.0	70.8	67.7	65.4	65.4
78.6	73.9	66.9	63.8	61.5	60.7
70.0	67.7	62.3	59.9	57.6	56.8
59.1	59.9	56.8	55.3	52.9	52.1
49.8	51.4	49.8	49.0	47.5	46.7
39.7	42.8	41.2	41.2	42.0	40.5
30.4	34.2	32.7	34.2	35.8	33.5
21.0	24.9	24.9	25.7	26.5	24.9
13.2	16.3	15.6	16.3	16.3	15.6
10.1	13.4	11.1	11.7	8.9	8.1
6.0	6.0	6.0	5.0	4.0	4.0
7.0	7.0	7.0	6.0	5.0	5.0
9.0	9.0	8.0	8.0	7.0	7.0
21.0	12.0	10.0	9.0	8.0	8.0
40.0	27.0	18.0	13.0	11.0	11.0
63.0	48.0	36.0	27.0	22.0	21.0
88.0	73.0	58.0	49.0	42.0	41.0

**CANDELA DISTRIBUTION (continued):**

	115°	125°	135°
110°	121.0	120.0	114.0
112.5°	150.0	148.0	143.0
115°	182.0	179.0	174.0
117.5°	215.0	211.0	205.0
120°	250.0	246.0	243.0
122.5°	283.0	279.0	277.0
125°	315.0	313.0	310.0
127.5°	346.0	345.0	340.0
130°	381.0	377.0	372.0
132.5°	416.0	411.0	405.0
135°	448.0	443.0	437.0
137.5°	475.0	473.0	468.0
140°	502.0	500.0	497.0
142.5°	533.0	527.0	525.0
145°	562.0	556.0	551.0
147.5°	585.0	580.0	575.0
150°	600.0	597.0	593.0
152.5°	614.0	611.0	610.0
155°	631.0	626.0	628.0
157.5°	648.0	644.0	645.0
160°	664.0	658.0	655.0
162.5°	671.0	667.0	663.0
165°	677.0	672.0	673.0
167.5°	684.0	678.0	685.0
170°	689.0	686.0	691.0
172.5°	692.0	689.0	690.0
175°	695.0	690.0	690.0
177.5°	699.0	694.0	695.0
180°	700.0	700.0	700.0



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145°	155°	165°	175°	180°
102.0	87.0	74.0	68.0	66.0
134.0	121.0	106.0	99.0	99.0
168.0	159.0	147.0	139.0	140.0
202.0	197.0	189.0	184.0	184.0
237.0	233.0	226.0	223.0	225.0
271.0	267.0	261.0	260.0	263.0
305.0	299.0	296.0	294.0	298.0
339.0	333.0	329.0	329.0	330.0
370.0	366.0	362.0	361.0	363.0
404.0	401.0	393.0	394.0	396.0
435.0	432.0	426.0	426.0	429.0
464.0	460.0	459.0	457.0	460.0
491.0	489.0	487.0	485.0	488.0
521.0	518.0	517.0	515.0	518.0
550.0	547.0	544.0	546.0	550.0
574.0	574.0	571.0	572.0	575.0
593.0	593.0	593.0	592.0	595.0
610.0	609.0	608.0	608.0	611.0
630.0	627.0	625.0	625.0	629.0
646.0	644.0	643.0	643.0	646.0
655.0	656.0	659.0	660.0	663.0
661.0	665.0	669.0	669.0	673.0
673.0	676.0	676.0	678.0	681.0
688.0	686.0	684.0	687.0	690.0
693.0	692.0	692.0	695.0	698.0
690.0	693.0	695.0	697.0	699.0
691.0	695.0	697.0	698.0	700.0
697.0	699.0	700.0	705.0	707.0
700.0	700.0	700.0	700.0	700.0

(END OF REPORT)