

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: P271764

Luminaire Tested: **ISW-AF-450-LED-E1-SL4-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271764
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35947)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISW-AF-450-LED-E1-SL4-7027
Description: IMPACT ELITE LED WEDGE LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE IV W/SPILL CONTROL
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2437.3 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U1 - G1

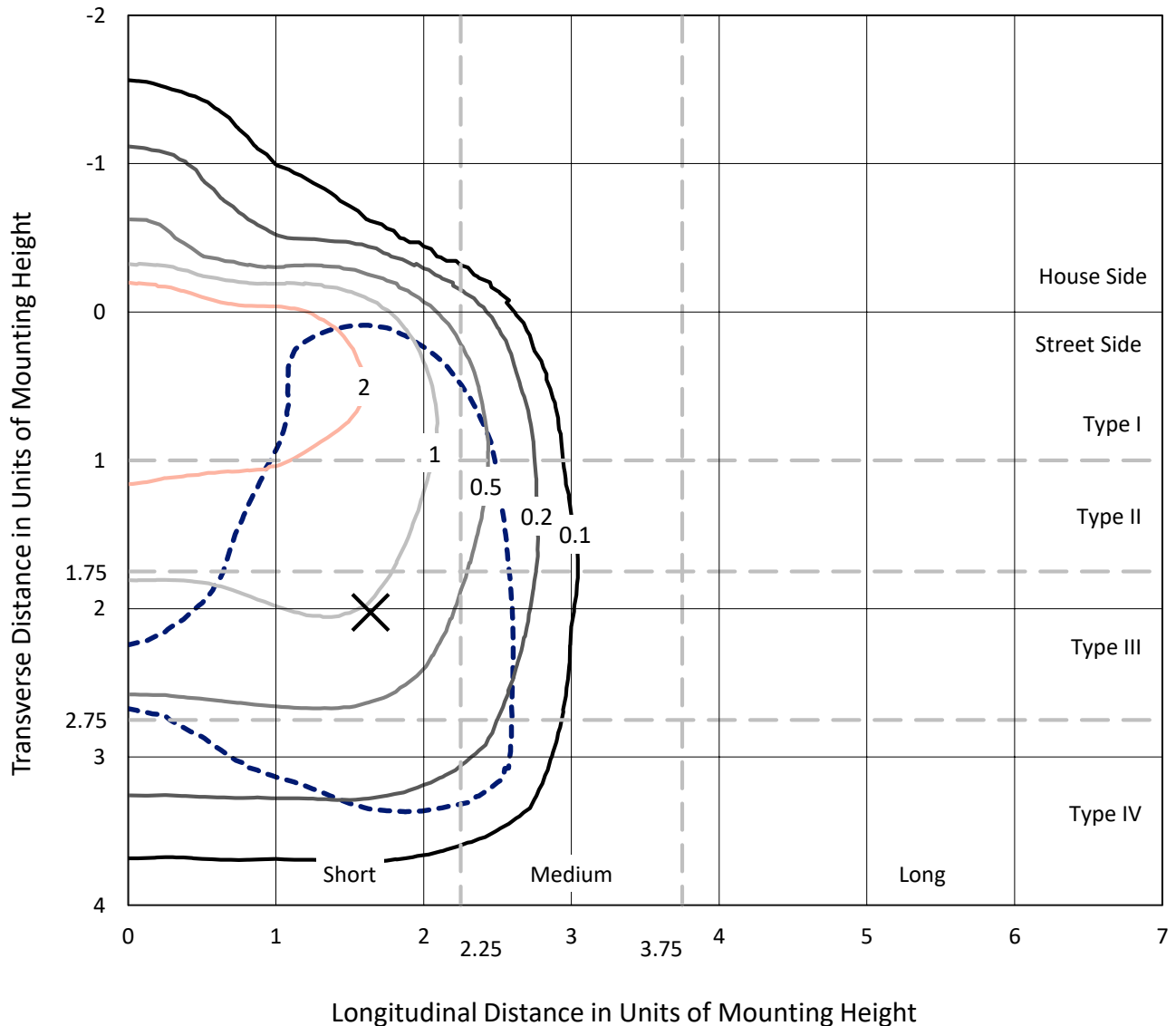
Input Watts (W): 25.31
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

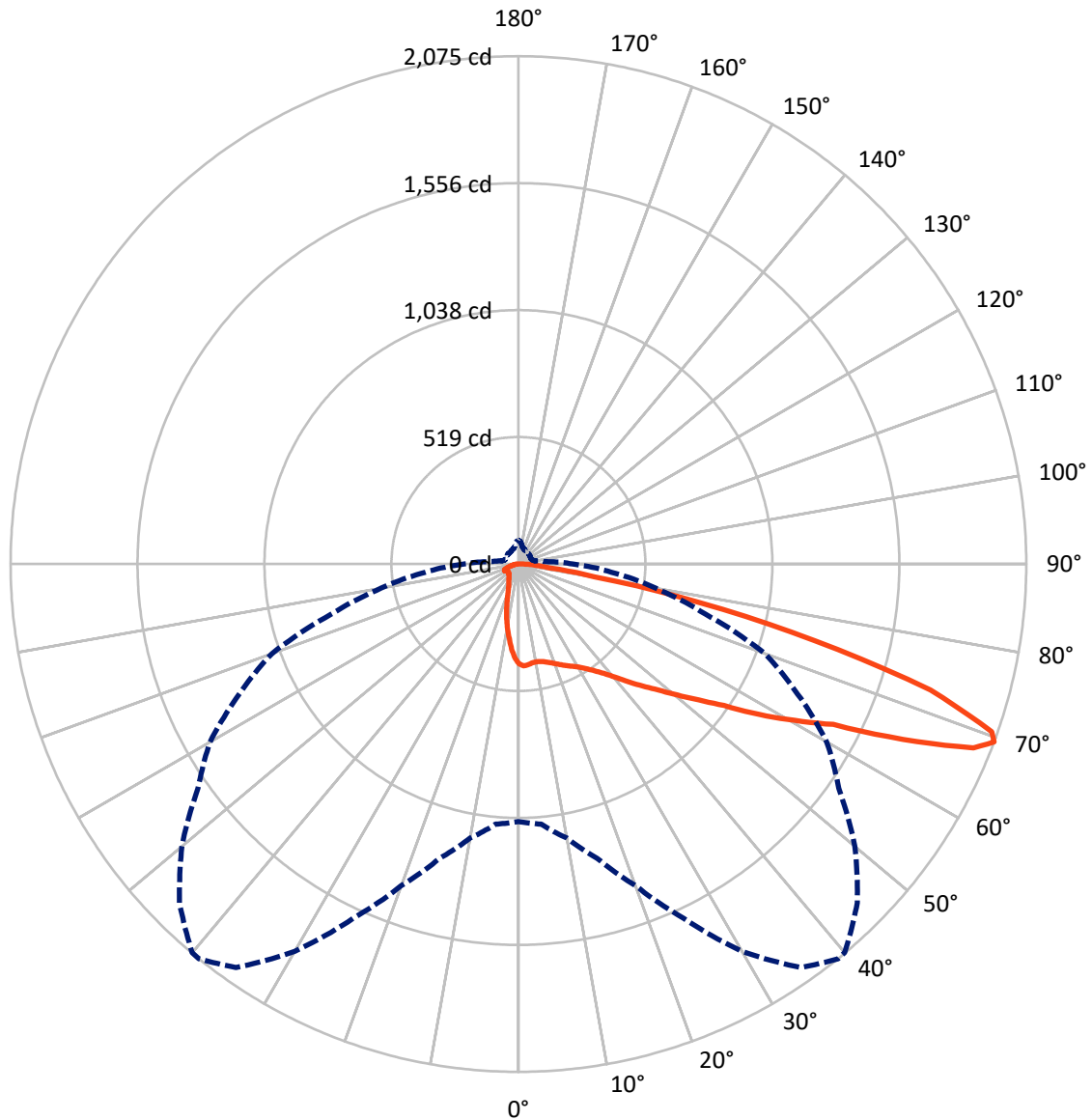
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	308.4	0.1	308.5
	% Fixture	12.7	0.0	12.7
Street Side	Lumens	2128.2	0.6	2128.8
	% Fixture	87.3	0.0	87.3
Total	Lumens	2436.6	0.7	2437.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.2	1.4
10°-20°	88.8	3.6
20°-30°	138.3	5.7
30°-40°	209.0	8.6
40°-50°	334.5	13.7
50°-60°	525.7	21.6
60°-70°	707.8	29.0
70°-80°	351.1	14.4
80°-90°	46.1	1.9
90°-100°	0.7	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°	2436.6	100.0
0°-180°	2437.3	100.0

Coefficient of Utilization



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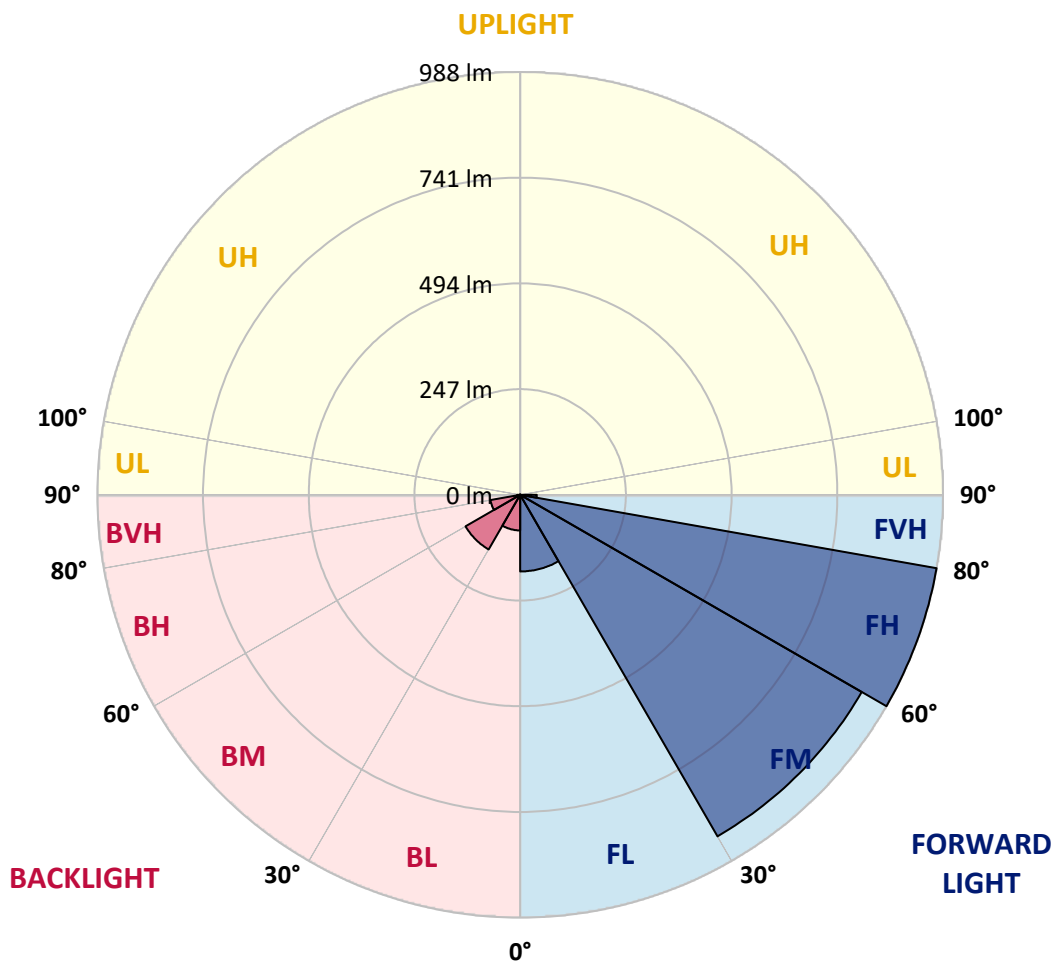
CATALOG NUMBER: ISW-AF-450-LED-E1-SL4-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	179.2	7.4			
FM (30°-60°)	921.8	37.8			
FH (60°-80°)	988.3	40.6			G1/1800
FVH (80°-90°)	38.9	1.6			G1/100
BL (0°-30°)	83.2	3.4	B0/110		
BM (30°-60°)	147.3	6.0	B0/220		
BH (60°-80°)	70.6	2.9	B0/110		G0/110
BVH (80°-90°)	7.3	0.3			G0/10
UL (90°-100°)	0.7	0.0		U1/10	
UH (100°-180°)	0.1	0.0		U1/10	

BUG Rating: B0-U1-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	39°	40°	45°
0°	408.2	408.2	408.2	408.2	408.2	408.2	408.2	408.2	408.2	408.2	408.2
2.5°	418.1	418.5	418.5	418.9	417.4	417.4	417.7	416.2	416.9	416.5	414.6
5°	418.9	419.3	418.9	419.3	417.4	416.5	414.9	413.0	413.8	413.4	410.5
7.5°	416.9	417.4	416.5	416.9	414.6	413.0	410.5	409.0	407.8	407.4	403.9
10°	412.6	413.8	412.2	413.4	411.3	409.8	408.5	407.0	406.2	405.9	401.9
12.5°	406.2	407.0	407.4	409.0	409.0	409.4	409.4	408.2	408.5	408.2	405.0
15°	400.4	403.1	405.9	407.4	410.5	412.6	414.2	413.8	414.9	414.6	412.6
17.5°	400.4	402.7	407.4	412.6	418.5	421.2	423.6	423.6	424.0	423.2	420.0
20°	401.9	406.2	414.2	422.8	430.0	435.5	437.0	436.7	435.0	435.0	429.6
22.5°	414.9	417.7	426.4	435.9	445.8	451.4	451.8	450.5	447.4	446.5	439.9
25°	433.5	436.7	444.6	456.9	464.4	468.7	467.6	463.5	460.4	457.7	450.5
27.5°	462.4	464.9	472.7	481.0	485.4	486.9	482.2	476.6	473.0	471.9	462.4
30°	492.1	495.2	501.5	506.7	510.2	505.6	498.0	491.7	488.5	487.7	479.1
32.5°	528.5	528.8	533.2	534.4	534.9	526.9	516.5	510.7	509.5	507.9	501.2
35°	561.7	563.7	562.9	562.5	558.9	549.0	540.3	536.7	535.6	535.2	529.6
37.5°	591.4	594.5	592.5	589.0	584.7	576.7	567.5	563.7	567.5	565.2	566.4
40°	620.2	620.2	617.9	615.9	610.8	603.2	600.1	600.4	606.7	608.4	609.9
42.5°	645.2	644.7	642.4	640.9	640.0	638.4	636.9	644.4	656.6	659.0	662.6
45°	672.4	672.0	662.9	666.1	671.7	672.8	678.4	695.7	710.8	712.0	719.5
47.5°	698.9	695.7	687.1	690.3	706.1	714.4	723.5	748.0	768.9	773.4	794.3
50°	726.7	723.5	714.1	719.9	742.1	757.5	778.9	812.9	841.7	847.7	874.9
52.5°	755.6	755.1	747.6	756.7	784.0	815.2	848.9	887.3	922.5	929.9	970.3
55°	790.3	788.4	785.2	796.3	835.1	876.9	929.6	981.8	1020.1	1033.6	1074.4
57.5°	829.5	828.7	829.0	852.0	898.8	962.4	1026.9	1097.3	1160.6	1170.0	1208.0
60°	863.5	865.1	874.2	910.3	968.7	1055.0	1145.6	1240.9	1297.1	1306.9	1344.1
62.5°	905.0	914.1	934.2	979.8	1048.6	1153.1	1270.6	1371.4	1443.8	1464.0	1534.3
65°	1004.8	1011.9	1049.4	1104.4	1192.2	1325.9	1460.8	1607.6	1727.0	1745.1	1805.8
67.5°	1077.4	1095.8	1154.6	1244.4	1371.4	1542.3	1727.4	1905.0	2005.8	2014.2	1971.9
69°	1052.2	1067.3	1136.9	1245.2	1398.3	1597.3	1827.5	2013.0	2075.2	2073.6	1958.5
70°	1013.4	1027.3	1103.9	1209.2	1375.8	1591.0	1829.1	2013.8	2051.4	2037.2	1905.5
72.5°	848.9	861.1	933.1	1043.1	1204.4	1418.1	1642.4	1768.5	1760.7	1748.8	1531.3
75°	530.1	529.2	592.2	655.9	781.3	997.2	1164.1	1265.4	1249.3	1240.1	982.9
77.5°	198.2	212.0	235.0	303.4	361.2	477.9	612.7	725.4	756.7	716.8	529.2
80°	103.2	110.7	125.9	149.8	172.5	197.4	237.3	305.3	316.0	294.7	213.5
82.5°	81.5	90.5	105.6	126.2	142.0	132.5	125.0	129.4	128.5	122.6	108.8
85°	61.7	72.4	96.8	117.9	140.5	118.7	94.5	82.6	73.6	74.0	78.7
87.5°	30.8	40.0	76.4	102.9	122.2	78.7	61.7	47.9	40.0	38.4	51.5
90°	9.5	9.5	15.5	20.2	27.7	13.8	13.5	10.3	7.5	7.5	11.9
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	39°	40°	45°
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	408.2	408.2	408.2	408.2	408.2	408.2	408.2	408.2	408.2	408.2	408.2
2.5°	413.0	413.0	412.2	411.7	410.5	409.0	407.8	405.9	404.7	402.7	400.4
5°	407.8	406.2	405.5	403.9	401.5	399.6	397.1	394.4	391.2	387.3	382.9
7.5°	401.1	398.7	396.0	395.2	392.4	390.0	387.3	383.3	378.9	371.8	366.3
10°	398.3	396.0	393.5	392.0	388.4	385.6	382.5	377.4	371.8	362.4	352.0
12.5°	401.1	398.7	396.3	393.5	390.4	387.3	382.9	376.6	369.0	356.8	344.1
15°	407.8	405.5	401.5	398.7	394.4	391.6	385.6	378.5	367.5	352.5	335.9
17.5°	415.4	411.7	408.2	403.9	399.9	396.3	390.0	380.9	367.0	349.4	327.9
20°	422.5	418.5	413.0	409.8	405.9	400.7	394.0	382.9	366.3	343.0	319.5
22.5°	430.7	425.7	419.7	416.2	413.0	408.5	400.7	386.5	366.3	339.4	310.2
25°	441.4	434.7	428.9	425.3	423.2	420.0	410.5	394.7	369.0	337.4	302.2
27.5°	454.1	445.4	440.3	437.8	437.5	435.0	425.7	405.9	375.4	337.4	294.7
30°	469.2	461.5	454.9	454.9	459.7	458.0	447.4	422.8	385.2	338.6	289.2
32.5°	490.0	482.6	478.7	482.6	487.7	489.3	477.0	447.0	401.5	344.1	283.7
35°	520.9	516.2	513.4	519.4	529.6	533.6	518.6	483.0	425.3	354.8	280.5
37.5°	561.7	558.2	554.5	564.9	584.3	592.2	570.4	524.5	459.2	372.5	278.8
40°	608.4	608.8	612.7	633.2	651.9	668.5	643.9	587.4	505.9	397.9	280.5
42.5°	663.8	668.1	681.5	710.0	746.0	759.1	735.4	663.4	564.0	428.4	284.4
45°	732.6	744.1	767.1	809.4	852.9	873.1	839.4	759.1	637.3	477.0	295.5
47.5°	805.8	831.1	869.9	921.2	971.9	984.9	943.4	845.8	708.9	520.2	312.5
50°	899.6	930.4	969.1	1030.9	1084.6	1092.6	1037.5	926.1	771.4	557.8	328.7
52.5°	986.9	1028.9	1078.2	1149.9	1204.4	1194.6	1123.4	997.6	820.8	583.4	337.9
55°	1106.4	1149.9	1205.6	1268.1	1322.3	1298.6	1201.3	1058.6	860.4	602.4	340.5
57.5°	1242.9	1276.1	1330.7	1394.8	1430.3	1389.6	1278.1	1117.9	897.9	602.9	318.8
60°	1376.9	1415.7	1475.8	1538.8	1558.5	1488.1	1331.5	1126.9	860.8	537.9	255.2
62.5°	1575.4	1614.6	1645.2	1655.5	1619.8	1478.3	1269.3	1030.9	742.1	424.4	180.8
65°	1797.4	1753.1	1694.2	1638.8	1541.9	1326.7	1094.6	846.9	575.9	283.7	124.7
67.5°	1855.6	1720.7	1592.5	1469.1	1288.3	1056.6	825.5	595.8	369.5	161.3	84.6
69°	1795.0	1598.1	1455.3	1259.4	1072.8	790.7	568.8	381.7	220.7	112.4	70.8
70°	1684.3	1479.4	1285.9	1076.3	831.1	604.0	378.2	250.0	144.0	81.8	63.7
72.5°	1270.9	1016.3	783.2	508.7	310.2	172.0	121.0	86.7	68.5	60.2	54.5
75°	734.9	489.3	320.3	170.9	101.3	75.2	65.7	58.5	54.2	52.2	47.5
77.5°	310.2	193.9	131.3	96.1	68.0	58.1	50.7	46.7	46.4	45.1	40.7
80°	141.2	121.0	103.2	72.4	51.8	44.3	38.8	38.0	38.8	37.5	33.2
82.5°	104.8	103.2	86.2	55.8	39.5	29.6	24.2	25.3	28.5	30.8	26.9
85°	87.5	87.5	72.4	41.5	26.1	19.0	18.5	21.0	23.7	25.7	21.8
87.5°	80.3	77.2	41.5	21.4	15.0	12.3	11.5	10.3	10.3	17.8	15.0
90°	7.9	3.5	2.0	1.5	2.0	1.5	2.3	2.0	2.0	2.0	2.0
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: P271764

CATALOG NUMBER: ISW-AF-450-LED-E1-SL4-7027

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	408.2	408.2	408.2	408.2	408.2	408.2	408.2	408.2	408.2	408.2	408.2
2.5°	398.3	396.7	392.8	392.0	390.9	389.2	388.9	386.9	382.9	382.0	382.5
5°	380.2	373.9	369.5	365.9	363.2	356.0	353.2	350.1	344.5	343.0	340.5
7.5°	358.7	351.2	342.5	336.2	328.7	321.2	315.2	307.8	301.8	298.2	291.9
10°	342.2	331.8	320.3	307.8	297.9	286.4	278.8	270.2	260.7	252.0	245.7
12.5°	329.5	315.2	298.7	283.7	269.4	257.2	243.7	231.4	219.5	207.7	197.4
15°	319.2	301.4	280.5	261.5	244.1	225.8	210.8	193.9	178.9	168.5	155.5
17.5°	308.2	285.2	260.3	238.1	215.5	196.5	177.7	159.8	145.5	132.1	121.5
20°	294.7	267.0	240.0	214.3	188.6	166.9	147.5	130.5	116.7	106.0	98.2
22.5°	279.6	247.2	216.0	187.8	162.1	140.9	122.6	110.0	99.7	93.7	91.4
25°	265.0	227.8	192.7	161.8	136.0	117.9	105.6	95.0	89.8	87.5	87.5
27.5°	251.5	208.0	168.9	138.9	113.9	99.7	90.2	85.9	83.5	83.5	84.6
30°	238.9	188.3	146.3	115.9	96.1	85.5	80.3	78.7	79.1	80.7	82.3
32.5°	224.3	169.3	127.0	99.7	83.5	76.4	72.4	72.9	74.8	77.5	80.3
35°	208.9	149.1	110.0	87.5	74.8	69.2	66.8	67.2	70.0	73.6	76.4
37.5°	195.0	132.9	96.8	78.0	68.5	64.9	62.9	63.3	65.3	69.6	73.2
40°	181.2	119.0	86.2	72.4	64.9	61.4	60.2	59.7	61.4	65.3	69.6
42.5°	169.3	107.2	79.9	68.5	62.5	59.4	57.7	57.7	58.5	61.7	66.0
45°	162.1	100.1	75.5	65.7	60.5	57.7	56.1	55.3	56.5	58.5	62.5
47.5°	162.1	96.5	72.9	63.7	59.0	56.5	54.5	54.2	54.5	56.5	60.5
50°	167.7	97.3	72.4	62.9	58.1	55.0	53.0	53.0	53.8	56.5	59.7
52.5°	172.5	98.9	73.6	63.7	58.1	54.2	51.8	51.5	52.6	55.3	58.1
55°	171.7	98.9	74.8	64.9	59.4	54.5	51.5	51.0	51.8	54.5	57.3
57.5°	153.5	93.0	73.6	65.7	60.9	56.5	53.4	52.2	53.0	55.3	57.7
60°	124.1	82.6	70.3	65.7	63.3	60.2	57.0	56.1	56.5	59.0	61.7
62.5°	97.3	73.6	66.5	65.3	64.5	62.9	61.7	60.9	60.9	62.9	65.3
65°	79.1	66.5	63.3	63.7	64.5	64.0	63.7	63.3	63.3	64.5	66.8
67.5°	66.0	59.7	59.0	60.2	60.9	61.4	61.7	61.4	61.7	62.9	65.7
69°	60.2	56.1	55.3	56.1	57.7	58.1	59.0	58.5	59.0	60.2	62.9
70°	56.5	53.4	52.6	53.8	55.0	55.3	56.1	55.8	56.1	57.3	60.2
72.5°	49.0	45.5	44.3	45.1	46.4	46.4	47.5	47.9	47.1	47.5	49.5
75°	42.0	38.0	36.0	36.4	36.4	36.4	37.2	37.2	36.4	36.0	36.4
77.5°	35.2	30.8	28.5	28.5	28.5	28.0	26.9	27.3	27.7	27.3	27.7
80°	27.7	24.2	21.8	21.8	21.8	21.0	20.6	20.6	21.4	22.2	21.8
82.5°	21.4	17.8	16.6	16.2	16.2	15.5	15.5	16.2	15.8	16.2	17.0
85°	15.5	12.7	11.5	11.9	11.5	10.7	11.0	12.3	12.3	11.9	12.7
87.5°	9.5	7.9	7.5	7.9	7.2	5.9	5.5	5.9	6.7	6.3	7.2
90°	1.2	0.8	0.8	0.8	1.2	0.8	0.8	0.8	1.2	1.2	0.8
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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69°
												70°
												72.5°
												75°
												77.5°
												80°
												82.5°
												85°
												87.5°
												90°
												92.5°
												95°
												97.5°
												100°
												102.5°
												105°
												107.5°

