

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: P227445

Luminaire Tested: **ISW-AF-450-LED-E1-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227445
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29767)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISW-AF-450-LED-E1-RW
Description: IMPACT ELITE LED WEDGE LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-RECTANGULAR WIDE TYPE I
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3165.9 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium - Cutoff
BUG Rating: B2 - U1 - G2

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

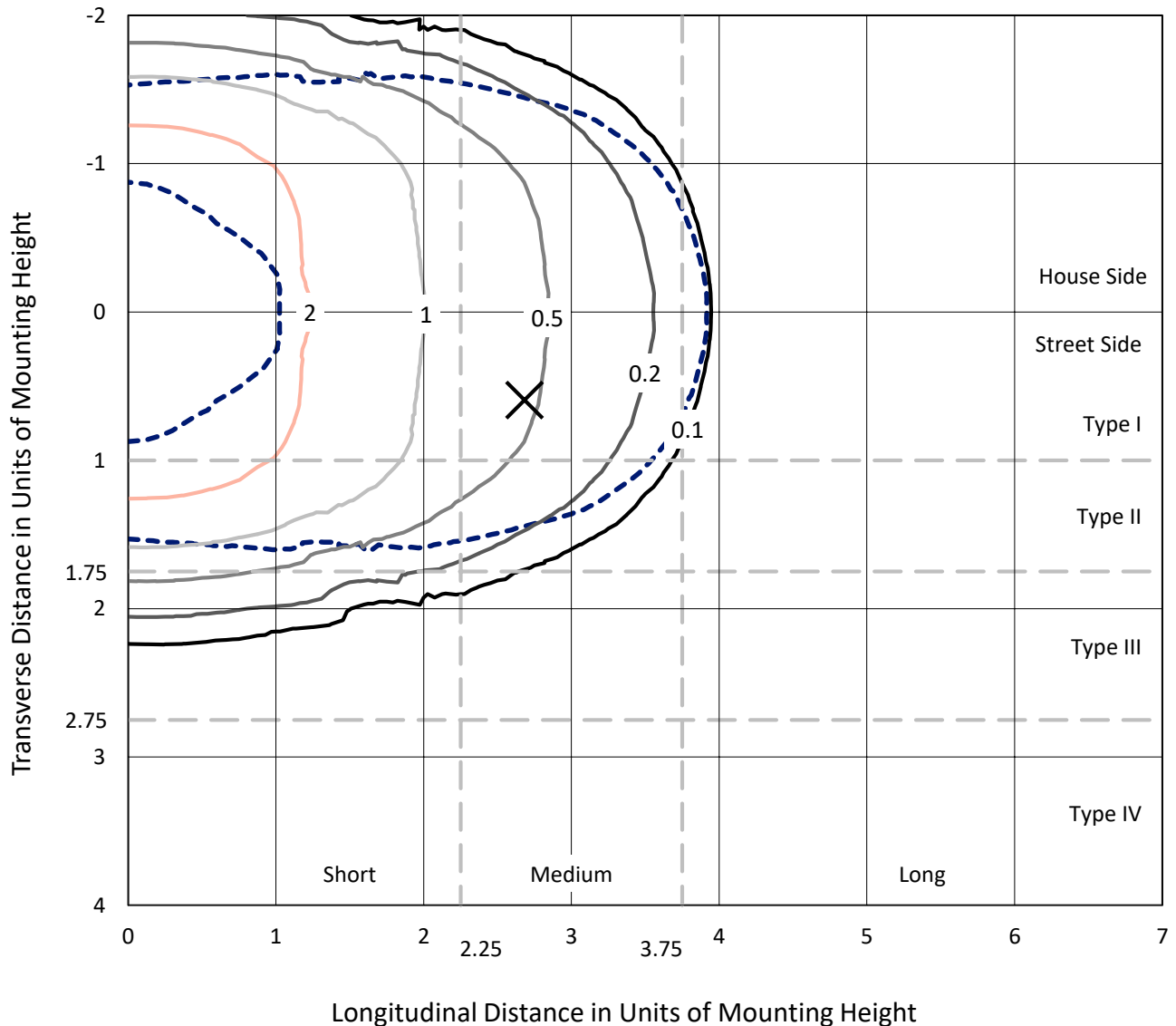


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Iso-Footcandle Lines of Horizontal Illumination

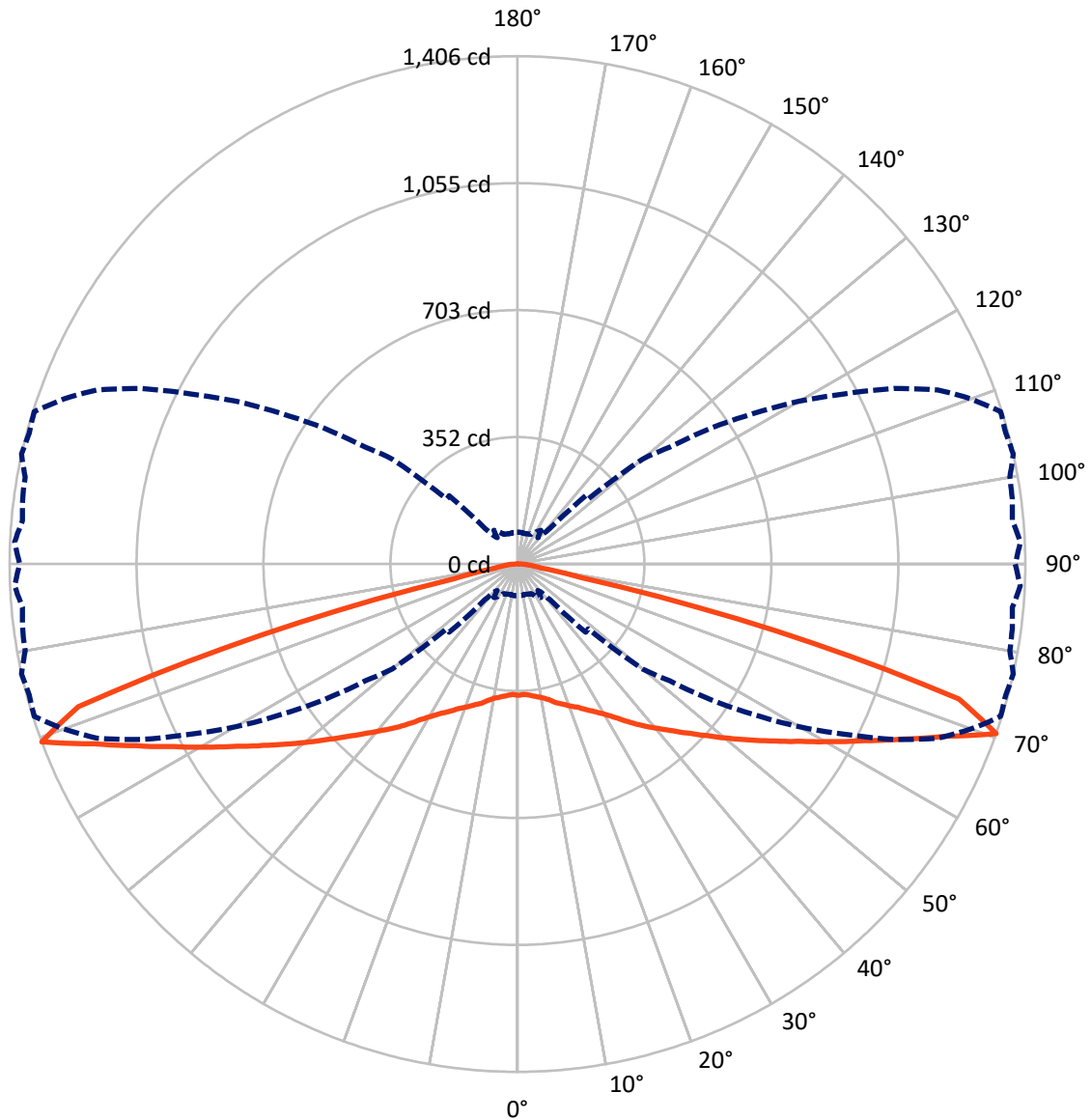
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
 Type II - Medium - Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1582.7	0.2	1582.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1582.7	0.2	1582.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	3165.4	0.5	3165.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.1	1.1
10°-20°	109.9	3.5
20°-30°	206.3	6.5
30°-40°	360.6	11.4
40°-50°	587.8	18.6
50°-60°	804.3	25.4
60°-70°	739.9	23.4
70°-80°	289.2	9.1
80°-90°	32.2	1.0
90°-100°	0.5	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°	3165.4	100.0
0°-180°	3165.9	100.0



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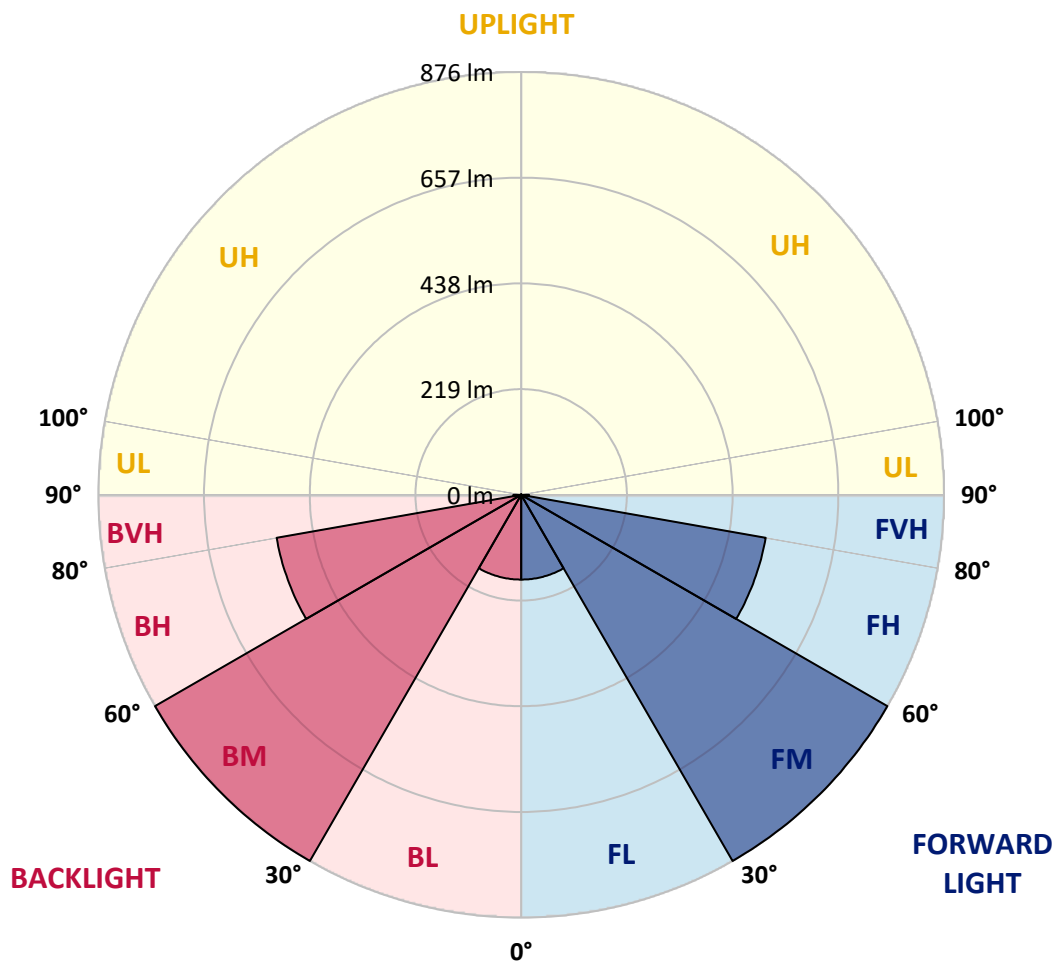
CATALOG NUMBER: ISW-AF-450-LED-E1-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	175.7	5.5			
FM (30°-60°)	876.3	27.7			
FH (60°-80°)	514.6	16.3			G0/660
FVH (80°-90°)	16.1	0.5			G1/100
BL (0°-30°)	175.7	5.5	B1/500		
BM (30°-60°)	876.3	27.7	B1/1000		
BH (60°-80°)	514.6	16.3	B2/1000		G2/1000
BVH (80°-90°)	16.1	0.5			G1/100
UL (90°-100°)	0.5	0.0		U1/10	
UH (100°-180°)	0.2	0.0		U1/10	

BUG Rating: B2-U1-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°	50°
0°	363.7	363.7	363.7	363.7	363.7	363.7	363.7	363.7	363.7	363.7	363.7
2.5°	362.3	361.8	361.8	362.3	363.2	363.7	362.7	363.2	363.2	362.7	364.2
5°	363.2	362.7	363.2	364.2	365.5	366.9	366.4	366.4	366.9	366.0	368.4
7.5°	362.3	361.8	362.7	365.1	368.4	370.2	370.2	370.2	371.1	370.6	373.5
10°	358.1	357.6	360.0	364.2	370.2	371.6	373.0	373.5	376.2	376.2	379.0
12.5°	354.4	354.9	358.1	364.6	374.4	374.8	376.8	378.6	382.3	380.4	385.6
15°	355.8	356.7	360.9	368.8	381.9	381.4	382.8	384.6	390.7	386.5	394.9
17.5°	362.7	364.2	368.8	378.1	391.6	389.3	391.2	393.9	401.8	396.7	406.5
20°	373.9	375.8	380.9	391.2	403.8	401.4	403.2	406.5	415.8	410.7	420.5
22.5°	388.8	390.7	396.3	408.0	421.5	418.6	420.5	423.3	433.5	425.6	437.7
25°	408.9	410.7	416.8	428.8	444.3	441.0	441.9	443.8	454.5	445.2	456.8
27.5°	436.8	438.6	443.8	455.4	470.4	467.5	468.4	470.4	481.5	472.2	482.4
30°	472.2	474.0	478.7	490.3	502.9	499.6	501.0	502.5	512.7	503.4	511.8
32.5°	514.1	513.6	520.6	532.8	543.9	537.9	537.9	537.9	547.6	538.3	544.8
35°	563.4	563.4	570.4	582.1	592.3	585.3	582.1	580.2	591.0	579.3	583.9
37.5°	617.5	615.1	625.8	636.6	646.3	637.5	634.6	632.4	640.3	627.3	629.5
40°	674.7	672.9	684.6	696.6	703.2	691.5	689.2	686.4	694.8	682.2	681.7
42.5°	726.9	725.5	740.4	754.3	762.3	747.4	744.1	741.3	750.6	738.1	735.3
45°	771.1	770.7	787.9	807.0	820.9	805.2	802.8	798.1	807.4	792.1	790.6
47.5°	805.6	803.7	824.7	852.6	874.9	858.7	858.3	855.0	864.7	847.9	846.1
50°	828.9	830.2	853.0	885.7	922.0	906.6	908.1	906.6	921.1	904.3	906.6
52.5°	833.1	835.9	865.2	908.1	958.8	940.2	950.8	955.0	973.2	958.8	963.4
55°	783.3	791.2	835.9	910.3	981.6	970.0	983.5	995.5	1021.2	1009.0	1017.4
57.5°	672.0	688.2	739.9	847.9	978.8	985.3	1012.8	1031.4	1062.6	1051.9	1071.4
60°	519.2	530.4	587.7	713.8	889.4	898.3	948.1	1007.2	1078.9	1093.8	1124.5
62.5°	339.9	346.5	402.3	530.4	735.3	738.1	799.9	876.9	1001.2	1033.8	1119.9
65°	168.6	177.4	207.2	305.5	515.1	511.3	579.3	669.1	830.2	866.1	1006.3
67.5°	105.3	106.6	112.7	141.6	258.0	229.1	285.0	379.0	574.2	606.3	784.2
70°	88.5	88.0	86.6	90.8	113.6	92.2	102.0	133.2	267.3	265.9	452.1
72.5°	81.5	80.1	76.4	75.9	79.2	72.6	73.6	75.4	107.1	89.9	174.1
75°	75.0	72.2	67.5	66.1	66.1	61.0	61.0	61.5	69.4	65.2	79.2
77.5°	67.1	63.8	59.1	57.3	55.4	49.8	49.4	49.8	55.9	52.2	59.1
80°	57.7	54.5	51.2	48.4	45.6	40.5	39.1	39.1	44.2	40.5	46.1
82.5°	50.3	46.1	45.2	40.5	36.3	31.7	30.3	27.9	32.6	28.4	34.5
85°	37.2	34.0	42.9	35.9	28.8	25.6	20.5	17.2	20.5	16.8	21.9
87.5°	21.4	20.0	37.7	28.4	25.6	27.5	16.8	12.1	11.7	10.2	12.1
90°	4.2	4.7	6.0	4.2	5.6	2.8	1.4	1.4	2.8	1.8	3.3
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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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CATALOG NUMBER: ISW-AF-450-LED-E1-RW

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°	50°
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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CATALOG NUMBER: ISW-AF-450-LED-E1-RW

CANDELA DISTRIBUTION (continued):

	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
0°	363.7	363.7	363.7	363.7	363.7	363.7	363.7	363.7	363.7	363.7	363.7
2.5°	362.7	364.2	362.3	364.2	360.9	363.7	361.3	364.2	361.8	364.2	361.3
5°	365.1	368.8	364.6	369.7	363.7	369.7	364.6	370.2	365.5	370.2	365.1
7.5°	368.8	375.3	369.7	376.2	368.8	377.2	370.2	378.1	371.1	378.6	370.6
10°	373.5	381.9	374.4	382.8	373.9	383.7	374.8	385.1	375.8	386.1	376.2
12.5°	377.7	388.3	380.0	391.2	381.4	393.0	382.8	395.8	384.6	398.1	385.6
15°	385.6	399.6	388.8	402.3	391.2	404.7	393.5	408.4	395.8	411.1	398.1
17.5°	395.8	411.1	400.0	413.5	401.4	416.3	404.2	419.1	406.5	422.4	408.0
20°	409.8	425.1	413.5	426.6	414.9	428.4	416.3	429.8	419.1	432.6	420.0
22.5°	425.6	440.1	427.5	440.5	427.5	440.1	428.4	440.5	429.8	442.3	431.2
25°	444.7	458.2	445.6	456.8	443.8	454.9	443.8	454.9	445.2	455.8	447.5
27.5°	471.3	481.5	468.4	478.2	464.2	474.0	462.4	472.2	462.9	472.2	463.8
30°	501.0	510.4	495.4	503.4	488.0	495.4	482.9	491.2	481.5	490.3	483.9
32.5°	533.7	541.1	526.2	532.8	516.9	523.4	509.9	515.5	507.1	512.7	508.5
35°	570.0	577.5	562.0	568.1	552.3	557.8	544.3	547.2	538.8	542.5	538.8
37.5°	613.3	619.8	602.1	607.6	590.4	597.4	581.1	583.9	573.7	576.0	568.6
40°	659.8	666.9	645.9	651.4	630.0	637.9	619.8	621.6	607.6	610.0	598.3
42.5°	710.1	716.7	690.6	695.2	670.0	678.4	657.0	660.7	644.0	646.3	631.5
45°	765.6	769.3	740.4	743.7	713.4	721.8	694.8	701.7	681.7	686.4	669.1
47.5°	817.2	824.7	793.0	795.9	763.2	768.3	737.1	746.4	725.1	732.0	711.1
50°	876.4	882.0	851.7	852.1	820.5	822.4	787.5	796.8	773.5	780.9	758.5
52.5°	936.9	940.6	908.1	911.2	880.0	883.3	848.4	852.1	825.1	831.7	809.8
55°	995.5	996.5	969.5	968.5	939.3	945.3	906.6	915.0	882.9	889.9	865.2
57.5°	1054.3	1057.5	1032.4	1033.3	1003.9	1008.1	973.2	979.3	949.0	957.4	926.7
60°	1116.1	1126.5	1101.7	1105.0	1077.1	1085.5	1043.1	1051.0	1017.9	1031.4	998.4
62.5°	1155.7	1194.0	1189.3	1194.4	1167.9	1172.1	1128.3	1140.9	1101.3	1111.0	1077.1
65°	1080.3	1173.9	1221.4	1273.6	1275.0	1288.5	1246.1	1250.8	1211.2	1208.8	1168.8
67.5°	880.6	996.0	1076.1	1183.2	1258.2	1330.3	1356.4	1363.0	1341.6	1318.8	1273.6
70°	531.3	657.6	775.3	901.5	1019.8	1149.7	1260.1	1336.4	1403.0	1399.8	1406.3
72.5°	210.0	314.8	393.5	511.8	629.1	772.9	895.0	1002.6	1117.1	1187.4	1278.7
75°	82.9	109.5	128.1	194.2	250.0	357.1	464.7	522.9	612.8	674.2	737.6
77.5°	59.6	65.2	66.1	76.8	81.0	112.2	131.3	151.3	170.4	182.5	180.2
80°	46.1	49.8	49.8	54.5	54.0	60.0	58.7	64.2	63.8	68.4	65.2
82.5°	34.5	36.8	36.8	40.5	40.5	44.2	43.3	47.1	45.6	48.9	45.6
85°	22.4	24.7	24.7	26.5	25.6	29.4	28.8	31.7	30.3	31.7	29.4
87.5°	12.6	14.0	14.4	15.9	14.4	17.2	16.8	18.2	16.8	18.2	17.2
90°	1.8	2.8	1.8	2.8	1.4	4.2	2.4	4.7	1.4	5.6	2.4
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
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P227445

CATALOG NUMBER: ISW-AF-450-LED-E1-RW

CANDELA DISTRIBUTION (continued):

	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
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: P227445

CATALOG NUMBER: ISW-AF-450-LED-E1-RW

CANDELA DISTRIBUTION (continued):

	80°	82.5°	85°	87.5°	90°
0°	363.7	363.7	363.7	363.7	363.7
2.5°	363.7	362.7	364.6	361.8	364.2
5°	370.2	366.0	371.1	366.0	370.6
7.5°	379.0	372.0	379.5	372.0	379.5
10°	387.4	375.8	387.9	376.8	388.3
12.5°	400.0	386.1	401.8	386.5	401.8
15°	414.0	398.1	415.8	398.6	416.8
17.5°	425.1	409.8	427.0	409.8	427.5
20°	434.4	422.4	436.8	422.4	438.2
22.5°	445.2	436.3	448.0	436.3	450.7
25°	459.1	453.1	462.4	454.0	464.2
27.5°	475.5	471.3	478.7	472.6	480.6
30°	494.5	493.2	496.8	494.1	498.7
32.5°	516.0	519.2	519.2	519.2	521.1
35°	547.2	549.9	549.9	550.9	551.4
37.5°	576.9	581.6	581.1	582.6	582.6
40°	608.1	614.2	614.2	614.2	615.1
42.5°	642.6	649.2	650.1	647.2	649.2
45°	681.3	683.5	685.9	684.6	687.7
47.5°	722.7	725.1	726.9	725.1	730.2
50°	771.6	771.1	776.2	771.1	778.6
52.5°	822.9	827.1	830.2	825.1	830.2
55°	880.6	879.1	889.9	882.9	889.9
57.5°	943.9	943.9	954.6	948.1	955.9
60°	1018.9	1012.8	1027.7	1017.0	1027.7
62.5°	1094.8	1084.0	1100.8	1091.5	1105.5
65°	1182.3	1167.0	1182.7	1170.7	1183.2
67.5°	1270.8	1253.1	1258.2	1252.2	1259.2
70°	1384.4	1382.1	1376.0	1393.7	1378.3
72.5°	1264.3	1291.3	1269.4	1311.7	1282.9
75°	776.7	826.5	854.1	897.3	890.4
77.5°	183.9	163.5	180.2	161.6	182.1
80°	68.0	61.9	64.8	56.4	62.9
82.5°	46.5	40.5	39.1	31.2	33.6
85°	29.8	24.2	22.4	18.6	20.5
87.5°	17.7	13.5	12.6	10.7	11.2
90°	5.1	1.8	3.7	0.9	3.3
92.5°	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P227445

CATALOG NUMBER: ISW-AF-450-LED-E1-RW

CANDELA DISTRIBUTION (continued):

	80°	82.5°	85°	87.5°	90°
112.5°	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)