

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: P271831

Luminaire Tested: **ISW-AF-450-LED-E1-RW-7027-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271831
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29767)-DOWNLIGHT AND
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-7027-ULG
Description: IMPACT ELITE LED WEDGE LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-RECTANGULAR WIDE TYPE I, WITH UPLIGHT
GLOW
Light Source: (16) 2700K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4393.2 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U5 - G1

Input Watts (W): 42.01
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

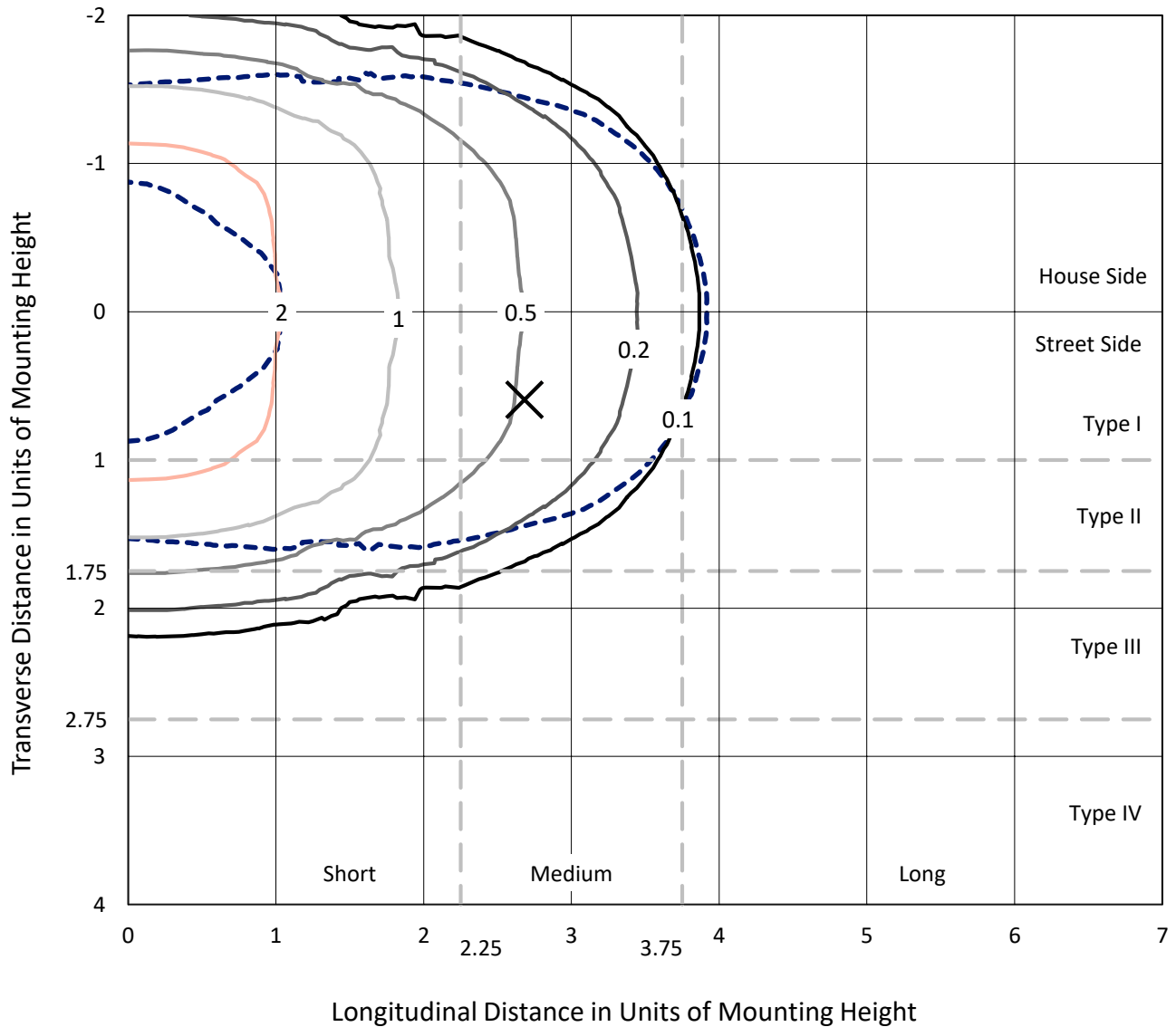


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Iso-Footcandle Lines of Horizontal Illumination

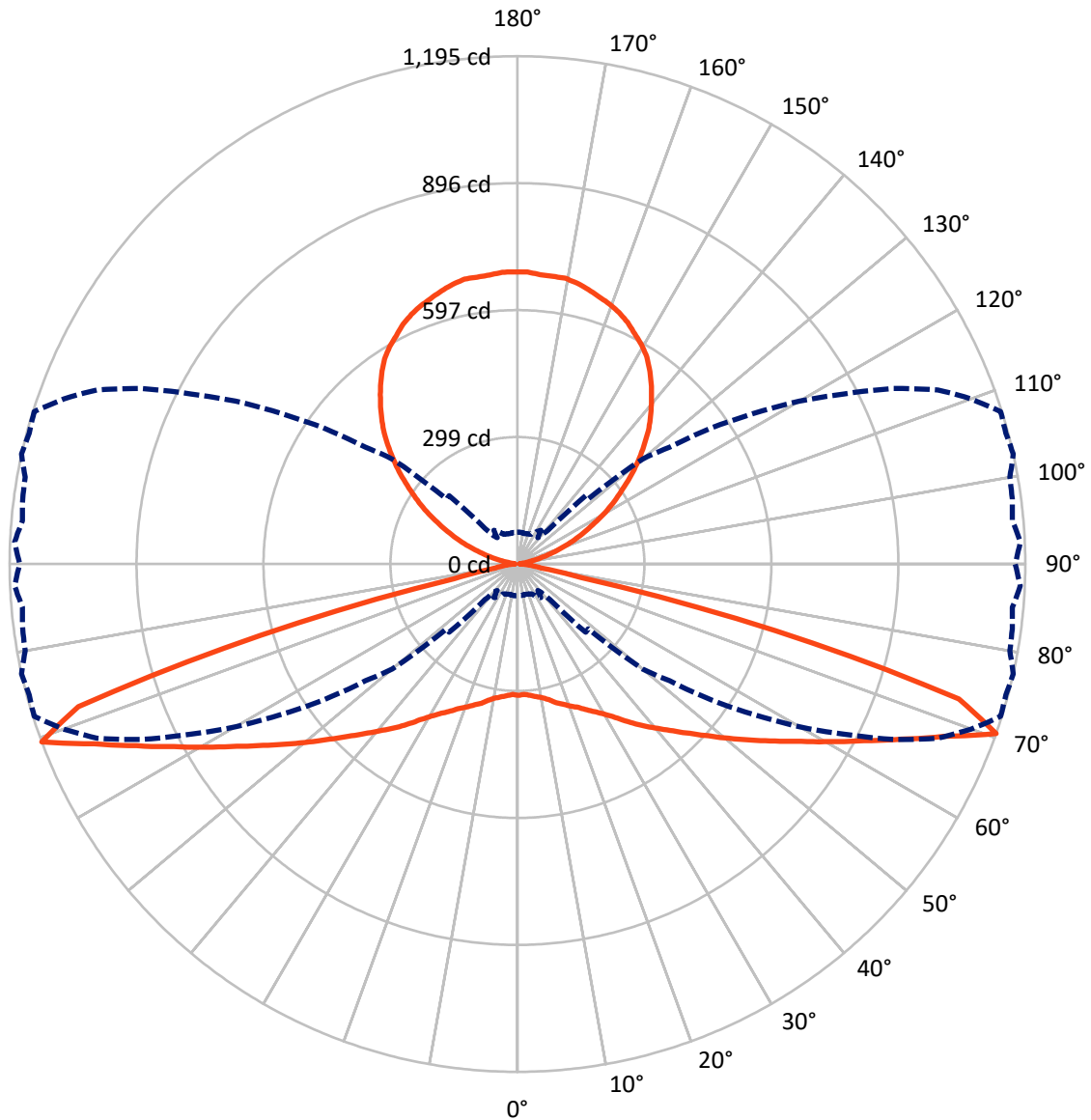
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type II - Medium - Non-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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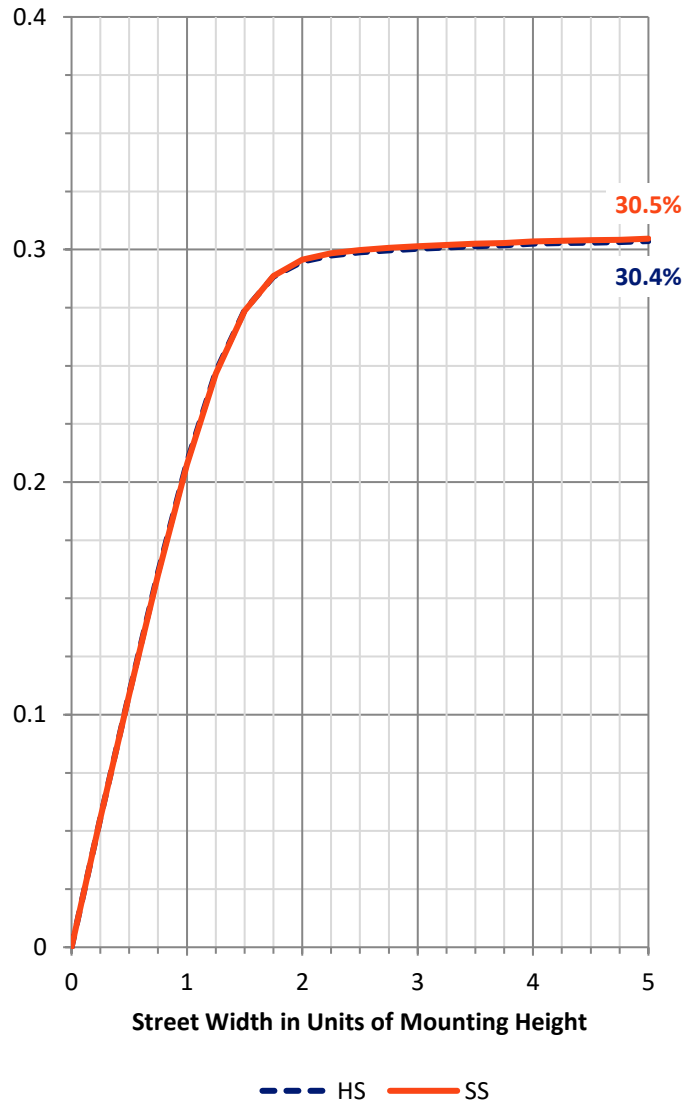
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1344.9	851.7	2196.6
	% Fixture	30.6	19.4	50.0
Street Side	Lumens	1344.9	851.7	2196.6
	% Fixture	30.6	19.4	50.0
Total	Lumens	2689.8	1703.4	4393.2
	% Fixture	61.2	38.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.8	0.7
10°-20°	93.4	2.1
20°-30°	175.3	4.0
30°-40°	306.3	7.0
40°-50°	499.3	11.4
50°-60°	683.3	15.6
60°-70°	628.5	14.3
70°-80°	245.7	5.6
80°-90°	28.3	0.6
90°-100°	9.5	0.2
100°-110°	56.3	1.3
110°-120°	163.0	3.7
120°-130°	268.1	6.1
130°-140°	330.6	7.5
140°-150°	338.2	7.7
150°-160°	284.9	6.5
160°-170°	187.6	4.3
170°-180°	65.0	1.5
0°-90°	2689.8	61.2
0°-180°	4393.2	100.0



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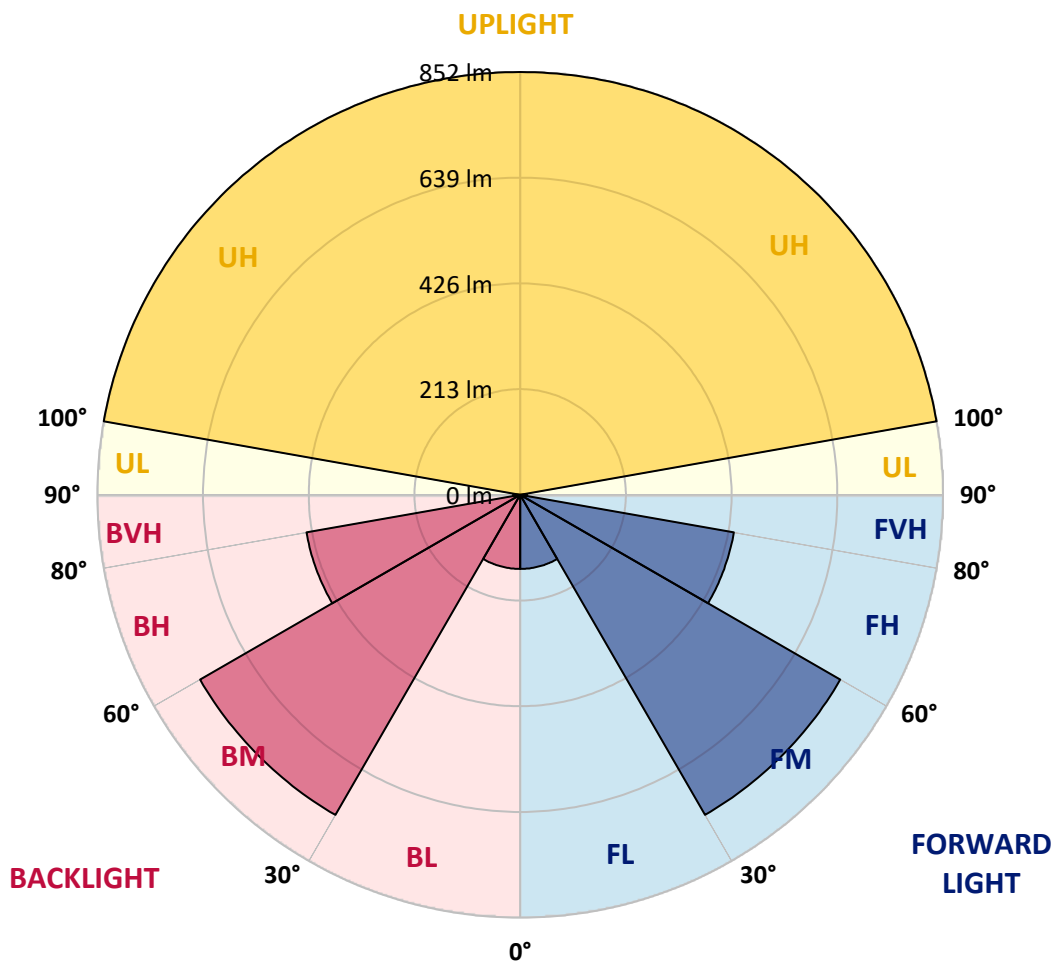
CATALOG NUMBER: ISW-AF-450-LED-E1-RW-7027-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	149.2	3.4			
FM (30°-60°)	744.4	16.9			
FH (60°-80°)	437.1	9.9			G0/660
FVH (80°-90°)	14.2	0.3			G1/100
BL (0°-30°)	149.2	3.4	B1/500		
BM (30°-60°)	744.4	16.9	B1/1000		
BH (60°-80°)	437.1	9.9	B1/500		G1/500
BVH (80°-90°)	14.2	0.3			G1/100
UL (90°-100°)	9.5	0.2		U1/10	
UH (100°-180°)	851.7	19.4		U4/1000	

BUG Rating: B1-U5-G1

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°	308.9	308.9	308.9	308.9	308.9	308.9	308.9	308.9	308.9	308.9	308.9
2.5°	307.7	307.3	307.3	307.7	308.6	308.9	308.1	308.6	308.6	308.1	309.4
5°	308.6	308.1	308.6	309.4	310.5	311.7	311.4	311.4	311.7	310.9	312.9
7.5°	307.7	307.3	308.1	310.2	312.9	314.5	314.5	314.5	315.2	314.9	317.2
10°	304.2	303.8	305.7	309.4	314.5	315.7	316.8	317.2	319.5	319.5	322.0
12.5°	301.0	301.4	304.2	309.7	318.0	318.4	320.0	321.6	324.7	323.2	327.5
15°	302.2	303.0	306.5	313.3	324.4	324.0	325.2	326.7	331.8	328.3	335.4
17.5°	308.1	309.4	313.3	321.1	332.6	330.7	332.2	334.7	341.4	337.0	345.3
20°	317.6	319.2	323.6	332.2	343.0	341.0	342.5	345.3	353.2	348.9	357.2
22.5°	330.3	331.8	336.7	346.5	358.0	355.5	357.2	359.5	368.2	361.6	371.8
25°	347.3	348.9	354.0	364.4	377.4	374.6	375.4	377.0	386.0	378.2	388.1
27.5°	371.0	372.5	377.0	386.8	399.5	397.1	397.9	399.5	409.0	401.1	409.8
30°	401.1	402.7	406.7	416.5	427.2	424.4	425.5	426.9	435.5	427.6	434.7
32.5°	436.7	436.3	442.2	452.5	462.0	456.9	456.9	456.9	465.1	457.2	462.8
35°	478.5	478.5	484.5	494.4	503.1	497.2	494.4	492.9	502.0	492.1	496.0
37.5°	524.5	522.5	531.7	540.7	549.0	541.5	539.2	537.2	543.8	532.9	534.9
40°	573.2	571.6	581.5	591.7	597.4	587.4	585.4	583.0	590.2	579.5	579.0
42.5°	617.5	616.2	628.9	640.9	647.5	634.8	632.0	629.7	637.7	626.9	624.6
45°	655.0	654.7	669.2	685.5	697.4	683.9	681.9	678.0	685.9	672.8	671.7
47.5°	684.3	682.7	700.5	724.2	743.3	729.4	729.1	726.2	734.5	720.4	718.7
50°	704.1	705.3	724.7	752.3	783.2	770.2	771.4	770.2	782.4	768.2	770.2
52.5°	707.7	710.0	734.9	771.4	814.4	798.6	807.8	811.3	826.7	814.4	818.4
55°	665.4	672.0	710.0	773.4	833.9	823.9	835.4	845.7	867.4	857.2	864.3
57.5°	570.7	584.7	628.5	720.4	831.4	837.0	860.4	876.2	902.7	893.5	910.2
60°	441.1	450.5	499.2	606.4	755.6	763.0	805.3	855.5	916.5	929.2	955.3
62.5°	288.7	294.3	341.7	450.5	624.6	626.9	679.6	744.9	850.4	878.1	951.2
65°	143.2	150.6	176.0	259.5	437.5	434.3	492.1	568.4	705.3	735.7	854.7
67.5°	89.4	90.5	95.7	120.2	219.2	194.7	242.0	322.0	487.7	515.0	666.1
70°	75.2	74.8	73.6	77.2	96.5	78.3	86.7	113.2	227.0	225.8	384.0
72.5°	69.2	68.0	64.9	64.5	67.2	61.7	62.5	64.0	91.0	76.4	148.0
75°	63.7	61.4	57.3	56.1	56.1	51.8	51.8	52.2	58.9	55.3	67.2
77.5°	57.0	54.2	50.2	48.7	47.1	42.3	42.0	42.3	47.5	44.3	50.2
80°	49.0	46.4	43.5	41.1	38.8	34.5	33.2	33.2	37.5	34.5	39.2
82.5°	42.7	39.2	38.4	34.5	30.8	26.9	25.7	23.7	27.7	24.2	29.3
85°	31.6	28.8	36.4	30.5	24.5	21.8	17.3	14.6	17.3	14.2	18.5
87.5°	18.1	17.0	32.0	24.2	21.8	23.4	14.2	10.3	9.9	8.7	10.3
90°	8.4	8.8	11.9	11.4	12.6	10.0	8.5	8.3	9.3	8.4	9.6
92.5°	4.0	4.0	4.9	5.9	5.9	5.9	5.9	5.9	5.9	6.1	6.4
95°	4.9	4.9	5.9	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
97.5°	6.8	6.8	7.8	7.8	8.8	8.8	8.8	8.8	8.8	9.6	10.3
100°	7.8	7.8	8.8	9.8	11.8	13.9	16.2	18.4	20.6	22.5	24.5
102.5°	10.8	10.8	12.8	17.7	26.5	29.6	32.9	36.1	39.3	41.7	44.2
105°	20.6	21.6	26.5	35.3	47.1	50.8	54.4	58.1	61.8	64.0	66.3
107.5°	40.2	41.2	48.1	57.0	71.7	75.4	79.1	82.6	86.3	88.1	89.8
110°	64.8	66.7	72.7	85.4	100.1	103.0	106.0	109.0	111.9	113.4	114.8



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CATALOG NUMBER: ISW-AF-450-LED-E1-RW-7027-ULG

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°	50°
112.5°	97.2	97.2	104.0	118.8	131.5	133.7	135.9	138.2	140.3	141.6	142.8
115°	137.4	136.5	144.3	156.0	164.9	166.4	167.8	169.3	170.8	171.9	173.2
117.5°	180.6	180.6	185.5	193.3	198.3	199.1	199.7	200.4	201.2	202.7	204.2
120°	220.8	218.8	221.8	228.7	232.6	234.1	235.5	237.1	238.5	239.3	239.9
122.5°	258.2	255.2	256.2	262.0	266.0	267.4	269.0	270.4	271.8	272.4	272.8
125°	292.5	288.5	290.5	293.5	299.3	300.6	301.8	303.1	304.3	305.1	305.7
127.5°	323.9	322.9	322.9	326.8	332.7	332.9	333.2	333.5	333.7	334.9	336.1
130°	356.3	354.3	355.3	359.2	363.2	363.6	364.2	364.6	365.1	366.3	367.6
132.5°	388.7	386.7	385.7	393.5	396.5	396.7	397.1	397.3	397.5	398.9	400.5
135°	421.0	418.1	418.1	424.0	427.0	427.4	428.0	428.4	428.9	430.4	431.8
137.5°	451.5	448.5	450.5	451.5	455.4	456.4	457.3	458.3	459.3	460.5	461.8
140°	479.0	476.0	478.0	480.0	481.9	483.4	484.8	486.3	487.8	488.6	489.3
142.5°	508.4	505.5	507.5	508.4	511.3	512.3	513.3	514.3	515.3	515.8	516.3
145°	539.8	535.9	534.0	536.8	539.8	540.0	540.3	540.6	540.8	541.9	543.3
147.5°	564.3	561.4	560.5	563.3	563.3	563.6	563.9	564.1	564.3	565.6	566.8
150°	584.0	581.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	583.0	584.0
152.5°	599.7	596.7	596.7	597.7	598.7	598.7	598.7	598.7	598.7	598.9	599.2
155°	617.3	613.5	613.5	615.4	618.3	617.9	617.3	616.9	616.3	615.9	615.4
157.5°	634.0	631.1	631.1	632.0	634.0	633.8	633.6	633.2	633.0	632.9	632.6
160°	650.7	647.8	646.8	643.8	642.8	642.8	642.8	642.8	642.8	643.6	644.4
162.5°	660.5	656.6	656.6	652.7	648.8	649.3	649.7	650.2	650.7	651.7	652.7
165°	668.4	665.5	663.5	663.5	660.5	660.5	660.5	660.5	660.5	660.3	660.1
167.5°	677.2	674.3	671.3	673.3	675.3	674.4	673.8	673.1	672.3	670.6	668.9
170°	685.0	682.2	679.2	679.2	680.2	679.7	679.2	678.7	678.2	677.1	675.7
172.5°	686.0	684.1	682.2	680.2	677.2	677.2	677.2	677.2	677.2	677.1	676.7
175°	687.0	685.0	684.1	682.2	678.2	678.0	677.7	677.4	677.2	677.2	677.2
177.5°	693.9	692.0	687.0	686.0	684.1	683.6	683.1	682.6	682.2	681.9	681.6
180°	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0



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CANDELA DISTRIBUTION (continued):

	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
0°	308.9	308.9	308.9	308.9	308.9	308.9	308.9	308.9	308.9	308.9	308.9
2.5°	308.1	309.4	307.7	309.4	306.5	308.9	307.0	309.4	307.3	309.4	307.0
5°	310.2	313.3	309.7	314.0	308.9	314.0	309.7	314.5	310.5	314.5	310.2
7.5°	313.3	318.8	314.0	319.5	313.3	320.3	314.5	321.1	315.2	321.6	314.9
10°	317.2	324.4	318.0	325.2	317.6	325.9	318.4	327.2	319.2	327.9	319.5
12.5°	320.8	329.9	322.9	332.2	324.0	333.8	325.2	336.2	326.7	338.2	327.5
15°	327.5	339.4	330.3	341.7	332.2	343.7	334.2	346.8	336.2	349.4	338.2
17.5°	336.2	349.4	339.8	351.2	341.0	353.7	343.3	356.0	345.3	358.7	346.5
20°	348.1	361.2	351.2	362.4	352.5	363.9	353.7	365.1	356.0	367.5	356.8
22.5°	361.6	373.8	363.2	374.2	363.2	373.8	363.9	374.2	365.1	375.9	366.3
25°	377.7	389.2	378.5	388.1	377.0	386.5	377.0	386.5	378.2	387.3	380.2
27.5°	400.4	409.0	397.9	406.2	394.4	402.7	392.8	401.1	393.2	401.1	394.0
30°	425.5	433.5	420.9	427.6	414.6	420.9	410.2	417.4	409.0	416.5	411.0
32.5°	453.4	459.7	447.0	452.5	439.0	444.6	433.2	437.8	430.7	435.5	431.9
35°	484.2	490.5	477.4	482.6	469.2	473.9	462.4	464.7	457.7	460.8	457.7
37.5°	520.9	526.5	511.5	516.2	501.5	507.5	493.7	496.0	487.3	489.3	483.0
40°	560.5	566.4	548.7	553.4	535.2	541.9	526.5	528.0	516.2	518.1	508.4
42.5°	603.2	608.7	586.6	590.5	569.2	576.4	558.2	561.4	547.1	549.0	536.4
45°	650.4	653.4	628.9	631.7	606.0	613.1	590.2	596.0	579.0	583.0	568.4
47.5°	694.2	700.5	673.5	676.1	648.3	652.7	626.2	634.0	615.9	621.8	604.0
50°	744.4	749.2	723.5	723.9	696.9	698.5	668.9	676.9	657.0	663.4	644.4
52.5°	795.9	799.0	771.4	774.1	747.6	750.4	720.7	723.9	700.9	706.4	687.8
55°	845.7	846.6	823.6	822.8	797.9	802.9	770.2	777.2	749.9	755.9	734.9
57.5°	895.5	898.2	876.9	877.7	852.9	856.4	826.7	831.8	806.0	813.2	787.2
60°	948.1	956.9	935.9	938.7	914.9	922.0	886.1	892.7	864.7	876.2	848.1
62.5°	981.8	1014.2	1010.2	1014.5	992.1	995.6	958.4	969.1	935.5	943.8	914.9
65°	917.7	997.2	1037.5	1081.8	1083.1	1094.5	1058.6	1062.4	1028.8	1026.9	992.9
67.5°	748.0	846.0	914.1	1005.1	1068.7	1130.1	1152.3	1157.7	1139.6	1120.2	1081.8
70°	451.3	558.6	658.5	765.7	866.2	976.5	1070.4	1135.3	1191.8	1189.1	1194.6
72.5°	178.4	267.3	334.2	434.7	534.4	656.6	760.2	851.6	948.9	1008.7	1086.2
75°	70.3	93.0	108.8	165.0	212.4	303.4	394.7	444.2	520.6	572.8	626.6
77.5°	50.7	55.3	56.1	65.3	68.8	95.3	111.6	128.5	144.8	155.0	153.1
80°	39.2	42.3	42.3	46.4	45.8	51.0	49.9	54.5	54.2	58.1	55.3
82.5°	29.3	31.2	31.2	34.5	34.5	37.5	36.8	40.0	38.8	41.5	38.8
85°	19.0	21.0	21.0	22.5	21.8	25.0	24.5	26.9	25.7	26.9	25.0
87.5°	10.7	11.9	12.3	13.5	12.3	14.6	14.2	15.5	14.2	15.5	14.6
90°	8.4	9.3	8.9	10.2	9.5	12.4	10.8	12.8	10.0	13.6	10.3
92.5°	6.6	6.8	6.8	6.8	6.8	6.8	6.6	6.4	6.1	5.9	5.9
95°	6.8	6.8	7.1	7.4	7.6	7.8	7.6	7.4	7.1	6.8	6.8
97.5°	11.0	11.8	11.3	10.8	10.3	9.8	9.6	9.3	9.1	8.8	8.6
100°	26.5	28.5	27.7	26.9	26.3	25.5	24.7	24.1	23.4	22.5	21.6
102.5°	46.6	49.0	48.3	47.6	46.9	46.2	44.9	43.7	42.4	41.2	40.4
105°	68.5	70.7	70.2	69.7	69.2	68.7	67.6	66.3	64.9	63.8	62.8
107.5°	91.4	93.2	93.1	92.7	92.4	92.3	91.3	90.3	89.3	88.3	87.6
110°	116.3	117.8	117.9	118.3	118.6	118.8	118.3	117.8	117.3	116.8	116.0



REPORT NUMBER: P271831

CATALOG NUMBER: ISW-AF-450-LED-E1-RW-7027-ULG

CANDELA DISTRIBUTION (continued):

	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
112.5°	144.1	145.3	145.7	146.2	146.7	147.2	147.1	146.7	146.4	146.2	145.7
115°	174.5	175.7	176.4	177.1	177.9	178.7	177.9	177.1	176.4	175.7	175.2
117.5°	205.6	207.1	208.0	209.0	210.0	211.0	209.8	208.6	207.3	206.1	205.6
120°	240.7	241.5	242.5	243.4	244.4	245.3	244.2	242.9	241.6	240.5	239.9
122.5°	273.4	273.8	274.8	275.8	276.8	277.8	276.6	275.3	274.1	272.8	272.4
125°	306.4	307.2	307.7	308.2	308.7	309.2	308.0	306.7	305.4	304.3	304.3
127.5°	337.4	338.6	338.8	339.1	339.4	339.6	339.6	339.6	339.6	339.6	339.4
130°	368.8	370.0	371.0	372.0	373.0	374.0	374.0	374.0	374.0	374.0	373.4
132.5°	401.9	403.4	404.6	405.9	407.1	408.3	407.8	407.3	406.8	406.3	406.3
135°	433.3	434.8	435.9	437.3	438.6	439.7	439.5	439.2	438.9	438.7	439.5
137.5°	463.1	464.2	464.7	465.2	465.7	466.2	466.4	466.7	467.0	467.2	468.4
140°	489.9	490.7	491.2	491.7	492.2	492.7	493.2	493.7	494.2	494.7	495.9
142.5°	516.7	517.2	518.7	520.2	521.6	523.2	523.2	523.2	523.2	523.2	523.4
145°	544.6	545.7	547.2	548.7	550.1	551.6	551.4	551.1	550.8	550.6	549.9
147.5°	568.1	569.3	570.4	571.7	573.0	574.2	574.4	574.6	574.9	575.2	574.4
150°	585.0	586.0	586.8	587.4	588.1	588.9	589.6	590.4	591.1	591.8	592.6
152.5°	599.5	599.7	600.4	601.1	601.9	602.7	603.6	604.6	605.5	606.5	607.7
155°	614.9	614.4	615.6	616.9	618.1	619.3	620.5	621.8	623.1	624.2	624.7
157.5°	632.2	632.0	633.0	634.0	635.0	636.0	636.4	637.0	637.4	638.0	638.0
160°	645.1	645.8	647.3	648.8	650.2	651.7	650.9	650.2	649.6	648.8	648.6
162.5°	653.7	654.7	655.7	656.6	657.6	658.5	658.4	658.1	657.8	657.6	657.1
165°	659.7	659.5	660.7	662.1	663.3	664.5	665.3	665.9	666.6	667.4	666.9
167.5°	667.2	665.5	666.9	668.4	669.9	671.3	672.3	673.3	674.3	675.3	675.3
170°	674.4	673.3	674.1	674.8	675.4	676.2	677.4	678.7	679.9	681.2	681.6
172.5°	676.4	676.2	677.1	677.7	678.4	679.2	679.7	680.2	680.6	681.2	681.6
175°	677.2	677.2	678.4	679.7	680.9	682.2	682.4	682.6	682.9	683.1	682.6
177.5°	681.4	681.2	682.4	683.6	684.9	686.0	686.6	687.0	687.6	688.0	687.2
180°	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0



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CANDELA DISTRIBUTION (continued):

	80°	82.5°	85°	87.5°	90°
0°	308.9	308.9	308.9	308.9	308.9
2.5°	308.9	308.1	309.7	307.3	309.4
5°	314.5	310.9	315.2	310.9	314.9
7.5°	322.0	316.0	322.4	316.0	322.4
10°	329.0	319.2	329.5	320.0	329.9
12.5°	339.8	327.9	341.4	328.3	341.4
15°	351.7	338.2	353.2	338.6	354.0
17.5°	361.2	348.1	362.7	348.1	363.2
20°	369.0	358.7	371.0	358.7	372.2
22.5°	378.2	370.6	380.5	370.6	382.9
25°	390.0	384.8	392.8	385.6	394.4
27.5°	403.9	400.4	406.7	401.5	408.2
30°	420.0	418.9	422.0	419.7	423.6
32.5°	438.2	441.1	441.1	441.1	442.7
35°	464.7	467.2	467.2	467.9	468.4
37.5°	490.0	494.1	493.7	494.9	494.9
40°	516.5	521.7	521.7	521.7	522.5
42.5°	545.9	551.4	552.2	549.9	551.4
45°	578.7	580.7	582.6	581.5	584.3
47.5°	613.9	615.9	617.5	615.9	620.2
50°	655.4	655.0	659.4	655.0	661.3
52.5°	698.9	702.6	705.3	700.9	705.3
55°	748.0	746.9	755.9	749.9	755.9
57.5°	801.7	801.7	810.9	805.3	812.1
60°	865.4	860.4	873.1	863.9	873.1
62.5°	929.9	920.9	935.0	927.2	939.1
65°	1004.3	991.3	1004.8	994.4	1005.1
67.5°	1079.4	1064.4	1068.7	1063.6	1069.6
70°	1176.0	1173.9	1168.9	1183.9	1170.9
72.5°	1073.9	1096.9	1078.2	1114.3	1089.7
75°	659.7	702.1	725.4	762.2	756.4
77.5°	156.2	138.9	153.1	137.2	154.7
80°	57.7	52.6	55.0	47.9	53.4
82.5°	39.5	34.5	33.2	26.5	28.5
85°	25.3	20.6	19.0	15.8	17.3
87.5°	15.0	11.5	10.7	9.2	9.5
90°	12.1	8.9	10.0	7.6	9.6
92.5°	5.9	5.9	5.9	5.9	5.9
95°	6.8	6.8	6.8	6.8	6.8
97.5°	8.4	8.1	7.8	7.8	7.8
100°	20.6	19.7	18.7	18.7	18.7
102.5°	39.7	39.1	38.3	37.8	37.3
105°	61.8	60.8	59.8	59.8	59.8
107.5°	86.9	86.1	85.4	84.9	84.4
110°	115.3	114.6	113.8	114.4	114.8



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CANDELA DISTRIBUTION (continued):

	80°	82.5°	85°	87.5°	90°
112.5°	145.3	144.8	144.3	144.3	144.3
115°	174.7	174.2	173.7	174.2	174.7
117.5°	205.2	204.6	204.2	204.6	205.2
120°	239.5	238.9	238.5	238.5	238.5
122.5°	271.8	271.4	270.9	271.4	271.8
125°	304.3	304.3	304.3	304.3	304.3
127.5°	339.1	338.8	338.6	339.6	340.5
130°	373.0	372.4	372.0	372.4	373.0
132.5°	406.3	406.3	406.3	406.8	407.3
135°	440.2	440.9	441.7	442.1	442.7
137.5°	469.6	470.9	472.1	472.6	473.0
140°	497.1	498.4	499.5	500.5	501.5
142.5°	523.6	523.9	524.1	525.1	526.0
145°	549.1	548.4	547.7	548.7	549.7
147.5°	573.7	573.0	572.2	573.2	574.2
150°	593.3	594.0	594.8	596.7	598.7
152.5°	609.1	610.3	611.5	613.9	616.3
155°	625.2	625.7	626.2	627.6	629.2
157.5°	638.0	638.0	638.0	640.4	642.8
160°	648.3	647.9	647.8	650.7	653.7
162.5°	656.6	656.1	655.7	658.5	661.5
165°	666.5	665.9	665.5	667.4	669.3
167.5°	675.3	675.3	675.3	678.2	681.2
170°	682.2	682.6	683.1	685.6	688.0
172.5°	682.2	682.6	683.1	685.6	688.0
175°	682.2	681.6	681.2	683.6	686.0
177.5°	686.6	685.9	685.0	687.0	689.0
180°	687.0	687.0	687.0	687.0	687.0

(END OF REPORT)