

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: P227041

Luminaire Tested: **ISW-AF-XXX-LED-E1-SL4-8030-XXB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227041
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-XXX-LED-E1-SL4-8030-XXB
Description: IMPACT ELITE LED WEDGE LUMINAIRE, EMERGENCY MODE WITH BATTERY
BACKPACK BOX
LIGHT SQUARE WITH ACCUCLED OPTICS-TYPE IV W/SPILL CONTROL
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 485 lumens
Efficiency: N/A
Efficacy: 37.3 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 - G0

Input Watts (W): 13
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

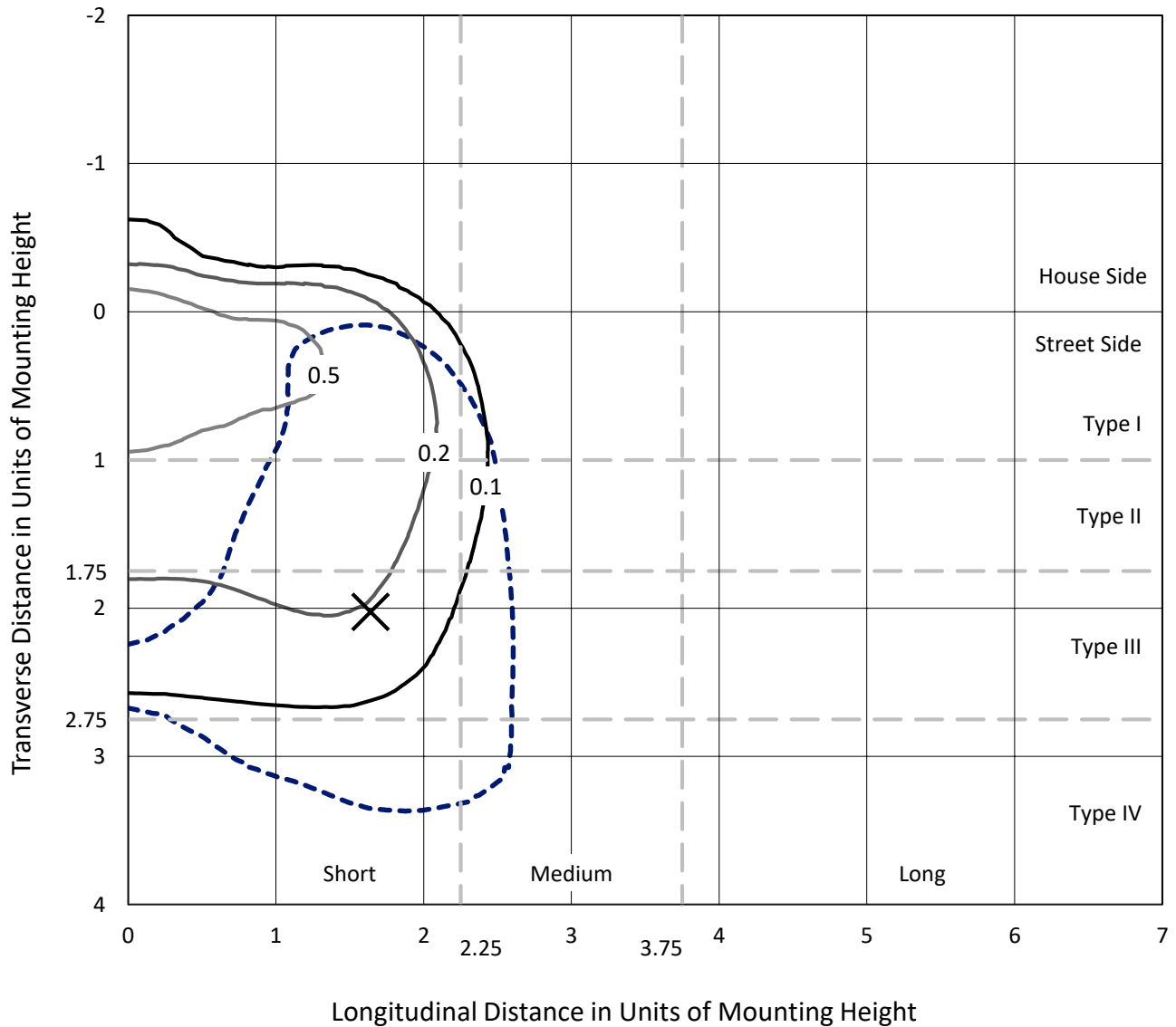


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

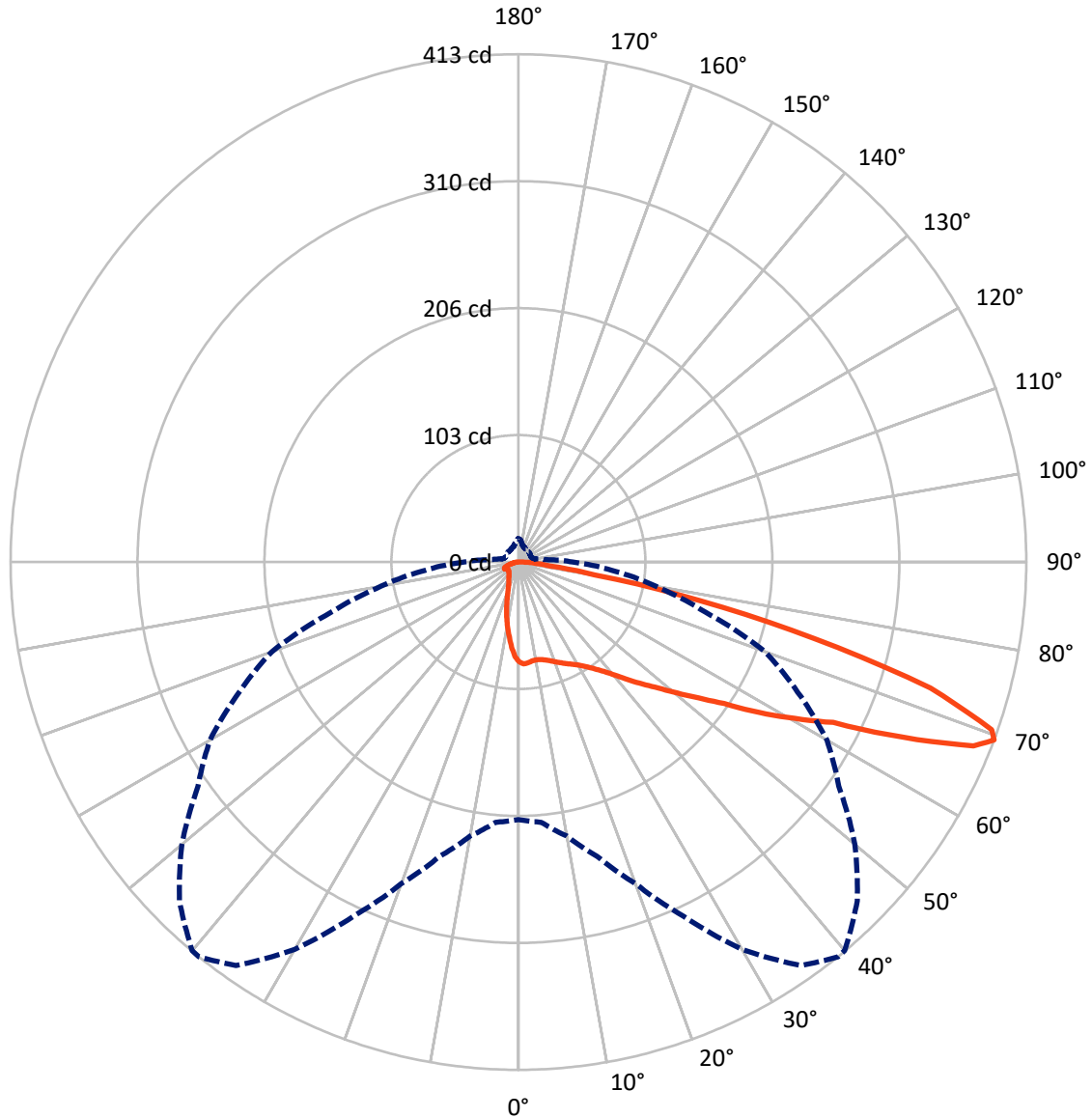


Based on 10 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Short - Semi-Cutoff

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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	61.4	0.0	61.4
	% Fixture	12.7	0.0	12.7
Street Side	Lumens	423.5	0.1	423.6
	% Fixture	87.3	0.0	87.3
Total	Lumens	484.8	0.1	485.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.0	1.4
10°-20°	17.7	3.6
20°-30°	27.5	5.7
30°-40°	41.6	8.6
40°-50°	66.5	13.7
50°-60°	104.6	21.6
60°-70°	140.8	29.0
70°-80°	69.9	14.4
80°-90°	9.2	1.9
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°	484.8	100.0
0°-180°	485.0	100.0

Coefficient of Utilization



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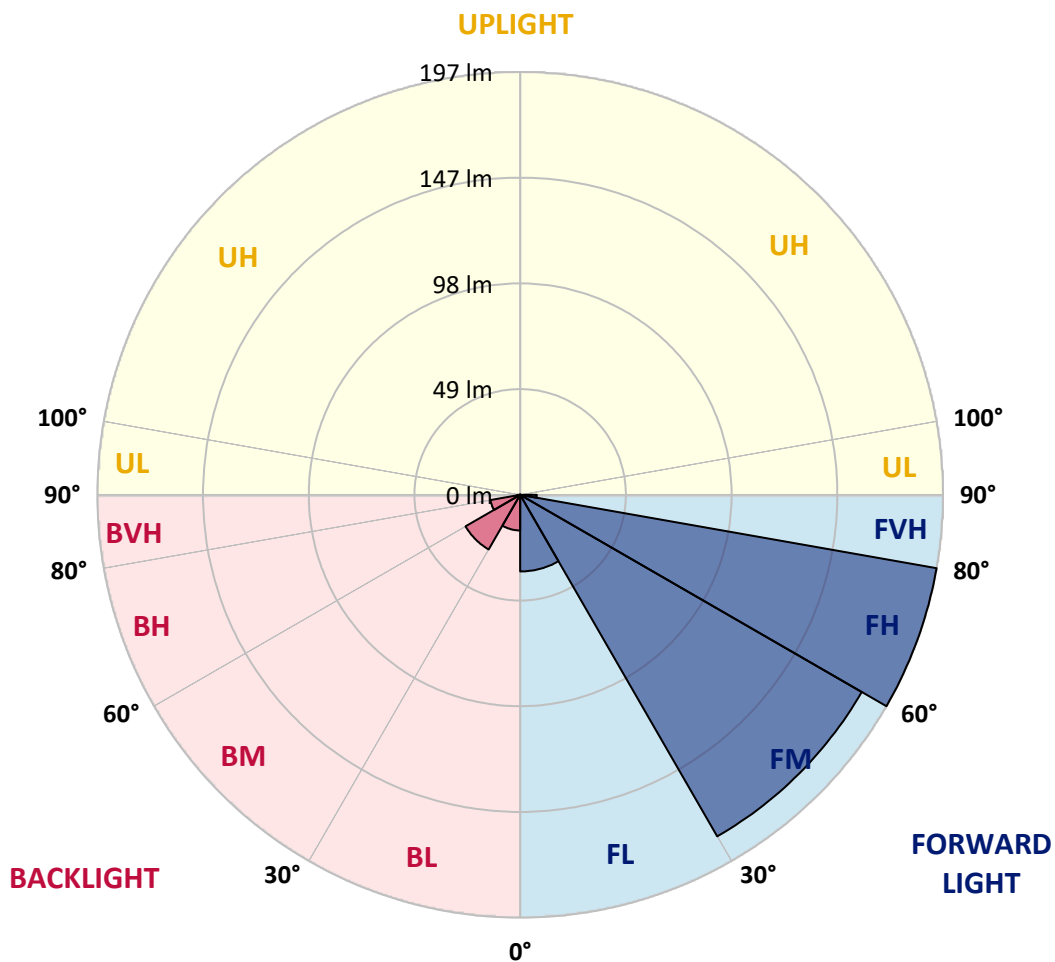
CATALOG NUMBER: ISW-AF-XXX-LED-E1-SL4-8030-XXB

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	35.7	7.4			
FM	(30°-60°)	183.4	37.8			
FH	(60°-80°)	196.7	40.6			G0/660
FVH	(80°-90°)	7.7	1.6			G0/10
BL	(0°-30°)	16.6	3.4	B0/110		
BM	(30°-60°)	29.3	6.0	B0/220		
BH	(60°-80°)	14.0	2.9	B0/110		G0/110
BVH	(80°-90°)	1.4	0.3			G0/10
UL	(90°-100°)	0.1	0.0		U1/10	
UH	(100°-180°)	0.0	0.0		U1/10	

BUG Rating: B0-U1-G0

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	39°	40°	45°
0°	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
2.5°	83.2	83.3	83.3	83.4	83.0	83.0	83.1	82.8	83.0	82.9	82.5
5°	83.4	83.4	83.4	83.4	83.0	82.9	82.6	82.2	82.3	82.2	81.7
7.5°	83.0	83.0	82.9	83.0	82.5	82.2	81.7	81.4	81.1	81.1	80.4
10°	82.1	82.3	82.0	82.2	81.9	81.5	81.3	81.0	80.8	80.8	80.0
12.5°	80.8	81.0	81.1	81.4	81.4	81.5	81.5	81.2	81.3	81.2	80.6
15°	79.7	80.2	80.8	81.1	81.7	82.1	82.4	82.3	82.6	82.5	82.1
17.5°	79.7	80.1	81.1	82.1	83.3	83.8	84.3	84.3	84.4	84.2	83.6
20°	80.0	80.8	82.4	84.1	85.6	86.7	87.0	86.9	86.6	86.6	85.5
22.5°	82.6	83.1	84.8	86.7	88.7	89.8	89.9	89.6	89.0	88.9	87.5
25°	86.3	86.9	88.5	90.9	92.4	93.3	93.0	92.2	91.6	91.1	89.6
27.5°	92.0	92.5	94.1	95.7	96.6	96.9	95.9	94.8	94.1	93.9	92.0
30°	97.9	98.5	99.8	100.8	101.5	100.6	99.1	97.8	97.2	97.0	95.3
32.5°	105.2	105.2	106.1	106.3	106.4	104.8	102.8	101.6	101.4	101.1	99.7
35°	111.8	112.2	112.0	111.9	111.2	109.2	107.5	106.8	106.6	106.5	105.4
37.5°	117.7	118.3	117.9	117.2	116.3	114.8	112.9	112.2	112.9	112.5	112.7
40°	123.4	123.4	122.9	122.5	121.5	120.0	119.4	119.5	120.7	121.1	121.4
42.5°	128.4	128.3	127.8	127.5	127.3	127.0	126.7	128.2	130.7	131.1	131.8
45°	133.8	133.7	131.9	132.5	133.6	133.9	135.0	138.4	141.4	141.7	143.2
47.5°	139.1	138.4	136.7	137.3	140.5	142.1	144.0	148.8	153.0	153.9	158.0
50°	144.6	144.0	142.1	143.2	147.7	150.7	155.0	161.7	167.5	168.7	174.1
52.5°	150.3	150.3	148.8	150.6	156.0	162.2	168.9	176.5	183.5	185.0	193.1
55°	157.3	156.9	156.2	158.4	166.1	174.5	185.0	195.3	203.0	205.7	213.8
57.5°	165.0	164.9	165.0	169.5	178.8	191.5	204.3	218.3	230.9	232.8	240.4
60°	171.8	172.1	173.9	181.1	192.8	209.9	227.9	246.9	258.1	260.0	267.4
62.5°	180.1	181.9	185.9	195.0	208.7	229.4	252.8	272.9	287.3	291.3	305.3
65°	199.9	201.3	208.8	219.7	237.2	263.8	290.7	319.9	343.6	347.3	359.3
67.5°	214.4	218.0	229.7	247.6	272.9	306.9	343.7	379.1	399.1	400.8	392.4
69°	209.4	212.4	226.2	247.8	278.2	317.8	363.6	400.5	412.9	412.6	389.7
70°	201.6	204.4	219.7	240.6	273.7	316.6	363.9	400.7	408.2	405.3	379.1
72.5°	168.9	171.3	185.7	207.5	239.7	282.2	326.8	351.9	350.3	348.0	304.7
75°	105.5	105.3	117.8	130.5	155.4	198.4	231.6	251.8	248.6	246.7	195.6
77.5°	39.4	42.2	46.8	60.4	71.9	95.1	121.9	144.3	150.6	142.6	105.3
80°	20.5	22.0	25.0	29.8	34.3	39.3	47.2	60.8	62.9	58.6	42.5
82.5°	16.2	18.0	21.0	25.1	28.3	26.4	24.9	25.7	25.6	24.4	21.6
85°	12.3	14.4	19.3	23.5	27.9	23.6	18.8	16.4	14.6	14.7	15.7
87.5°	6.1	7.9	15.2	20.5	24.3	15.7	12.3	9.5	7.9	7.6	10.2
90°	1.9	1.9	3.1	4.0	5.5	2.8	2.7	2.0	1.5	1.5	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



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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°	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
2.5°	82.2	82.2	82.0	81.9	81.7	81.4	81.1	80.8	80.5	80.1	79.7
5°	81.1	80.8	80.7	80.4	79.9	79.5	79.0	78.5	77.8	77.1	76.2
7.5°	79.8	79.3	78.8	78.6	78.1	77.6	77.1	76.3	75.4	74.0	72.9
10°	79.3	78.8	78.3	78.0	77.3	76.7	76.1	75.1	74.0	72.1	70.0
12.5°	79.8	79.3	78.9	78.3	77.7	77.1	76.2	74.9	73.4	71.0	68.5
15°	81.1	80.7	79.9	79.3	78.5	77.9	76.7	75.3	73.1	70.1	66.8
17.5°	82.6	81.9	81.2	80.4	79.6	78.9	77.6	75.8	73.0	69.5	65.2
20°	84.1	83.3	82.2	81.5	80.8	79.7	78.4	76.2	72.9	68.2	63.6
22.5°	85.7	84.7	83.5	82.8	82.2	81.3	79.7	76.9	72.9	67.5	61.7
25°	87.8	86.5	85.3	84.6	84.2	83.6	81.7	78.5	73.4	67.1	60.1
27.5°	90.4	88.6	87.6	87.1	87.0	86.6	84.7	80.8	74.7	67.1	58.6
30°	93.3	91.9	90.5	90.5	91.5	91.1	89.0	84.1	76.7	67.4	57.5
32.5°	97.5	96.0	95.2	96.0	97.0	97.4	94.9	88.9	79.9	68.5	56.4
35°	103.7	102.7	102.2	103.3	105.4	106.2	103.2	96.1	84.6	70.6	55.8
37.5°	111.8	111.1	110.3	112.4	116.2	117.8	113.5	104.4	91.4	74.1	55.5
40°	121.1	121.1	121.9	126.0	129.7	133.0	128.1	116.9	100.7	79.2	55.8
42.5°	132.1	132.9	135.6	141.3	148.4	151.0	146.3	132.0	112.2	85.2	56.6
45°	145.8	148.0	152.6	161.0	169.7	173.7	167.0	151.0	126.8	94.9	58.8
47.5°	160.3	165.4	173.1	183.3	193.4	196.0	187.7	168.3	141.0	103.5	62.2
50°	179.0	185.1	192.8	205.1	215.8	217.4	206.4	184.3	153.5	111.0	65.4
52.5°	196.4	204.7	214.6	228.8	239.7	237.7	223.5	198.5	163.3	116.1	67.2
55°	220.1	228.8	239.9	252.3	263.1	258.4	239.0	210.6	171.2	119.9	67.8
57.5°	247.3	253.9	264.8	277.5	284.6	276.5	254.3	222.4	178.7	119.9	63.4
60°	274.0	281.7	293.7	306.2	310.1	296.1	264.9	224.2	171.3	107.0	50.8
62.5°	313.5	321.3	327.3	329.4	322.3	294.1	252.6	205.1	147.7	84.5	36.0
65°	357.6	348.8	337.1	326.1	306.8	264.0	217.8	168.5	114.6	56.4	24.8
67.5°	369.2	342.4	316.9	292.3	256.3	210.2	164.3	118.5	73.5	32.1	16.8
69°	357.2	318.0	289.6	250.6	213.5	157.3	113.2	76.0	43.9	22.4	14.1
70°	335.1	294.4	255.9	214.2	165.4	120.2	75.2	49.7	28.6	16.3	12.7
72.5°	252.9	202.2	155.8	101.2	61.7	34.2	24.1	17.2	13.6	12.0	10.9
75°	146.2	97.4	63.8	34.0	20.1	15.0	13.1	11.6	10.8	10.4	9.4
77.5°	61.7	38.6	26.1	19.1	13.5	11.6	10.1	9.3	9.2	9.0	8.1
80°	28.1	24.1	20.5	14.4	10.3	8.8	7.7	7.6	7.7	7.5	6.6
82.5°	20.9	20.5	17.2	11.1	7.9	5.9	4.8	5.0	5.7	6.1	5.4
85°	17.4	17.4	14.4	8.3	5.2	3.8	3.7	4.2	4.7	5.1	4.3
87.5°	16.0	15.3	8.3	4.3	3.0	2.4	2.3	2.0	2.0	3.5	3.0
90°	1.6	0.7	0.4	0.3	0.4	0.3	0.5	0.4	0.4	0.4	0.4
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



REPORT NUMBER: P227041

CATALOG NUMBER: ISW-AF-XXX-LED-E1-SL4-8030-XXB

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°	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
2.5°	79.3	78.9	78.2	78.0	77.8	77.4	77.4	77.0	76.2	76.0	76.1
5°	75.6	74.4	73.5	72.8	72.3	70.8	70.3	69.7	68.6	68.2	67.8
7.5°	71.4	69.9	68.2	66.9	65.4	63.9	62.7	61.2	60.1	59.3	58.1
10°	68.1	66.0	63.8	61.2	59.3	57.0	55.5	53.8	51.9	50.1	48.9
12.5°	65.6	62.7	59.4	56.4	53.6	51.2	48.5	46.0	43.7	41.3	39.3
15°	63.5	60.0	55.8	52.0	48.6	44.9	42.0	38.6	35.6	33.5	30.9
17.5°	61.3	56.7	51.8	47.4	42.9	39.1	35.3	31.8	29.0	26.3	24.2
20°	58.6	53.1	47.8	42.7	37.5	33.2	29.4	26.0	23.2	21.1	19.5
22.5°	55.6	49.2	43.0	37.4	32.3	28.0	24.4	21.9	19.8	18.7	18.2
25°	52.7	45.3	38.3	32.2	27.1	23.5	21.0	18.9	17.9	17.4	17.4
27.5°	50.1	41.4	33.6	27.6	22.7	19.8	17.9	17.1	16.6	16.6	16.8
30°	47.5	37.5	29.1	23.1	19.1	17.0	16.0	15.7	15.7	16.1	16.4
32.5°	44.6	33.7	25.3	19.8	16.6	15.2	14.4	14.5	14.9	15.4	16.0
35°	41.6	29.7	21.9	17.4	14.9	13.8	13.3	13.4	13.9	14.6	15.2
37.5°	38.8	26.4	19.3	15.5	13.6	12.9	12.5	12.6	13.0	13.9	14.6
40°	36.0	23.7	17.2	14.4	12.9	12.2	12.0	11.9	12.2	13.0	13.9
42.5°	33.7	21.3	15.9	13.6	12.4	11.8	11.5	11.5	11.6	12.3	13.1
45°	32.3	19.9	15.0	13.1	12.0	11.5	11.2	11.0	11.3	11.6	12.4
47.5°	32.3	19.2	14.5	12.7	11.7	11.3	10.9	10.8	10.9	11.3	12.0
50°	33.4	19.4	14.4	12.5	11.6	10.9	10.5	10.5	10.7	11.3	11.9
52.5°	34.3	19.7	14.6	12.7	11.6	10.8	10.3	10.2	10.5	11.0	11.6
55°	34.2	19.7	14.9	12.9	11.8	10.9	10.2	10.2	10.3	10.9	11.4
57.5°	30.5	18.5	14.6	13.1	12.1	11.3	10.6	10.4	10.5	11.0	11.5
60°	24.7	16.4	14.0	13.1	12.6	12.0	11.3	11.2	11.3	11.7	12.3
62.5°	19.4	14.6	13.2	13.0	12.8	12.5	12.3	12.1	12.1	12.5	13.0
65°	15.7	13.2	12.6	12.7	12.8	12.8	12.7	12.6	12.6	12.8	13.3
67.5°	13.1	11.9	11.7	12.0	12.1	12.2	12.3	12.2	12.3	12.5	13.1
69°	12.0	11.2	11.0	11.2	11.5	11.6	11.7	11.6	11.7	12.0	12.5
70°	11.3	10.6	10.5	10.7	10.9	11.0	11.2	11.1	11.2	11.4	12.0
72.5°	9.8	9.1	8.8	9.0	9.2	9.2	9.4	9.5	9.4	9.4	9.8
75°	8.3	7.6	7.2	7.2	7.2	7.2	7.4	7.4	7.2	7.2	7.2
77.5°	7.0	6.1	5.7	5.7	5.7	5.6	5.4	5.4	5.5	5.4	5.5
80°	5.5	4.8	4.3	4.3	4.3	4.2	4.1	4.1	4.3	4.4	4.3
82.5°	4.3	3.5	3.3	3.2	3.2	3.1	3.1	3.2	3.1	3.2	3.4
85°	3.1	2.5	2.3	2.4	2.3	2.1	2.2	2.4	2.4	2.4	2.5
87.5°	1.9	1.6	1.5	1.6	1.4	1.2	1.1	1.2	1.3	1.3	1.4
90°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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°

