

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: P271817

Luminaire Tested: **ISW-AF-XXX-LED-E1-T2-7027-XXB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271817
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35937)
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-T2-7027-XXB
Description: IMPACT ELITE LED WEDGE LUMINAIRE, EMERGENCY MODE WITH BATTERY
BACKPACK BOX
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 577.2 lumens
Efficiency: N/A
Efficacy: 44.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium - 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

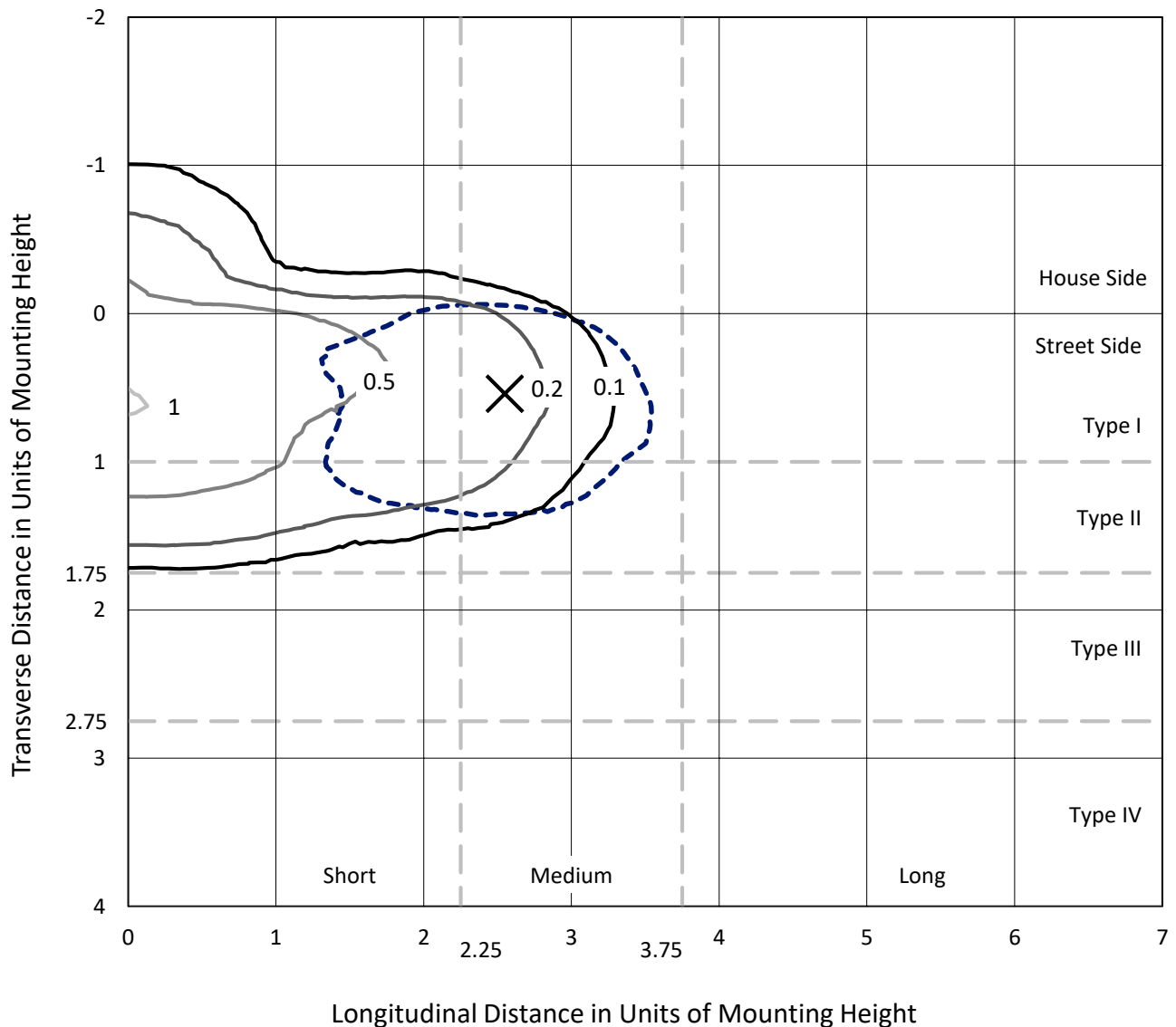


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Iso-Footcandle Lines of Horizontal Illumination

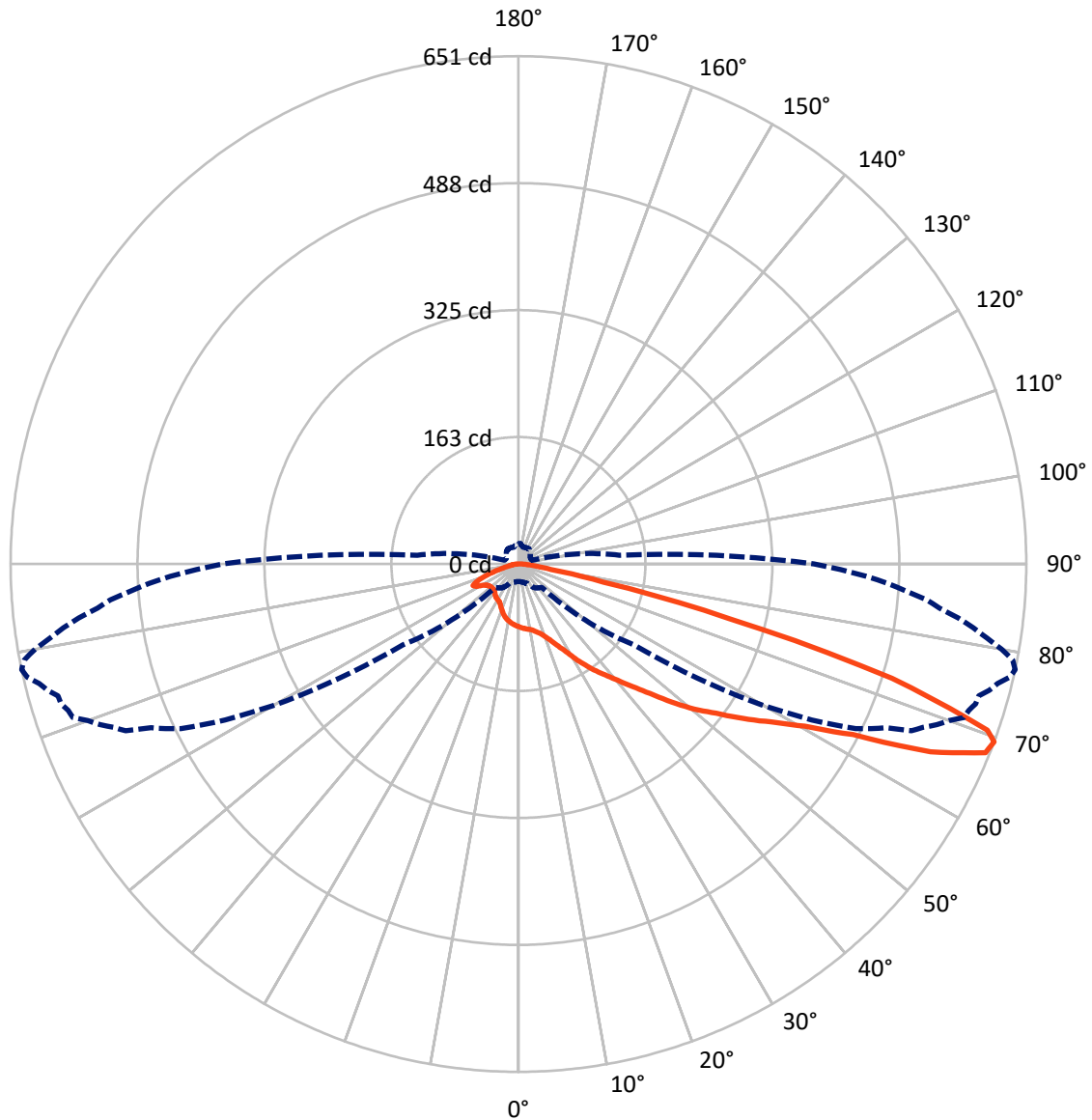
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1 fc
 Type II - Medium - Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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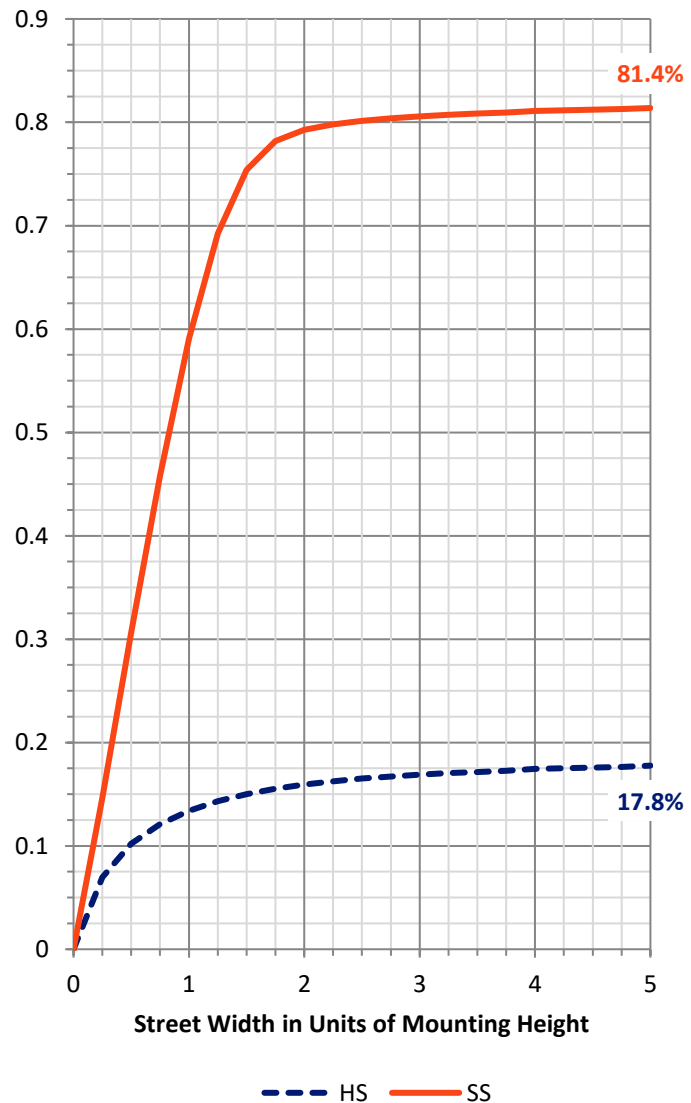
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	105.5	0.2	105.7
	% Fixture	18.3	0.0	18.3
Street Side	Lumens	471.4	0.1	471.5
	% Fixture	81.7	0.0	81.7
Total	Lumens	576.9	0.3	577.2
	% Fixture	99.9	0.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.5	1.3
10°-20°	22.5	3.9
20°-30°	40.4	7.0
30°-40°	65.9	11.4
40°-50°	97.4	16.9
50°-60°	127.2	22.0
60°-70°	142.3	24.6
70°-80°	63.9	11.1
80°-90°	10.0	1.7
90°-100°	0.3	0.1
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°	576.9	99.9
0°-180°	577.2	100.0



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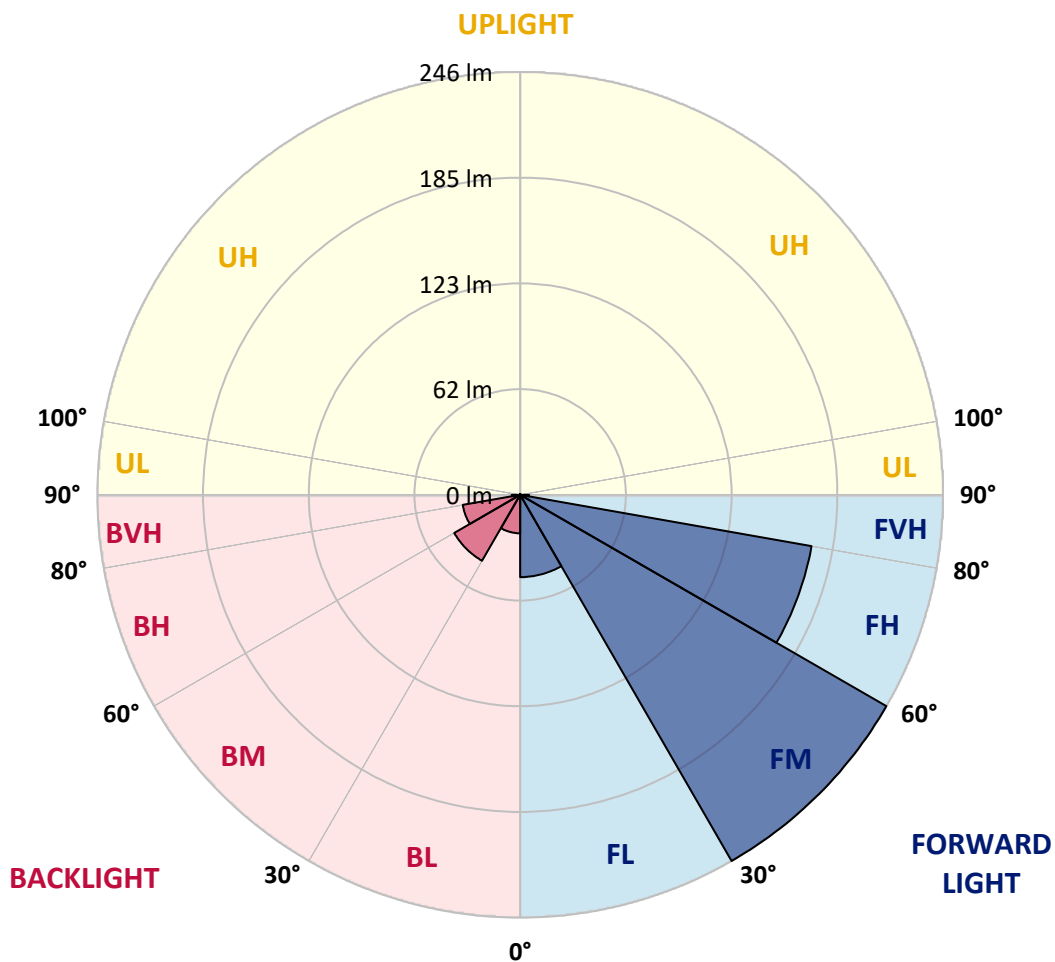
CATALOG NUMBER: ISW-AF-XXX-LED-E1-T2-7027-XXB

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	47.9	8.3			
FM	(30°-60°)	246.2	42.6			
FH	(60°-80°)	172.2	29.8			G0/660
FVH	(80°-90°)	5.1	0.9			G0/10
BL	(0°-30°)	22.4	3.9	B0/110		
BM	(30°-60°)	44.3	7.7	B0/220		
BH	(60°-80°)	33.9	5.9	B0/110		G0/110
BVH	(80°-90°)	4.9	0.8			G0/10
UL	(90°-100°)	0.3	0.1		U1/10	
UH	(100°-180°)	0.2	0.0		U1/10	

BUG Rating: B0-U1-G0

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
2.5°	86.0	86.0	85.7	85.6	85.2	84.6	83.6	83.5	83.5	83.3	83.0
5°	92.3	91.5	91.8	91.4	90.4	89.2	87.5	86.5	86.0	85.9	85.6
7.5°	97.4	97.5	97.2	96.4	95.1	93.7	91.2	89.7	89.3	89.1	88.6
10°	101.1	100.8	100.6	100.5	99.4	98.4	95.1	93.3	93.1	92.3	91.6
12.5°	103.8	103.8	103.8	103.6	102.9	102.0	99.5	97.7	97.4	96.5	95.8
15°	106.7	106.3	106.0	105.7	105.8	105.8	104.0	102.7	102.0	101.5	100.3
17.5°	113.0	112.2	111.5	110.4	108.9	108.4	108.3	108.2	107.3	107.3	106.1
20°	118.4	117.7	117.0	116.0	113.7	111.3	112.6	113.7	113.5	113.6	113.1
22.5°	125.0	124.4	123.1	121.9	118.9	116.2	116.2	118.8	119.0	119.5	119.6
25°	133.9	133.8	131.5	129.3	125.9	123.2	120.6	123.7	124.3	125.1	126.6
27.5°	143.1	142.5	140.1	138.2	133.9	131.1	127.5	129.2	130.2	131.5	133.8
30°	155.0	153.3	152.5	148.0	144.2	139.9	136.7	137.4	137.1	138.8	142.4
32.5°	172.0	169.5	165.4	160.8	156.2	150.6	148.0	148.0	147.5	149.4	151.5
35°	181.3	180.6	178.0	173.6	168.6	163.2	161.5	160.0	160.2	161.2	162.0
37.5°	191.2	190.7	188.7	186.2	182.4	185.4	176.1	173.7	172.7	172.1	172.4
40°	195.7	196.0	197.1	197.4	195.3	209.5	191.1	183.3	183.1	182.3	181.5
42.5°	196.5	197.5	199.7	204.5	206.6	237.3	203.5	194.1	192.9	192.2	192.2
45°	199.9	201.5	202.0	206.3	216.2	238.7	217.5	203.7	202.7	202.6	202.1
47.5°	208.0	210.2	210.2	212.2	221.5	241.6	222.2	213.3	212.6	212.3	213.5
50°	209.1	212.2	218.2	224.4	231.2	243.8	227.7	223.7	223.9	224.7	228.6
52.5°	189.4	192.2	208.2	226.6	248.7	250.0	235.9	237.5	239.2	242.8	250.1
55°	162.3	164.5	183.3	212.6	249.3	273.5	256.5	261.0	264.6	265.6	276.9
57.5°	127.8	130.8	149.9	187.9	232.8	280.2	304.0	306.0	302.0	305.6	309.7
60°	69.2	68.9	95.6	135.9	198.1	267.9	349.7	384.3	385.0	390.7	383.9
62.5°	38.6	38.6	46.4	69.8	127.5	226.6	371.7	451.9	462.4	471.3	490.6
65°	29.3	29.6	32.2	42.1	71.5	143.0	355.5	475.0	495.1	515.4	549.3
67.5°	24.3	24.3	26.3	31.4	44.7	64.9	261.8	428.6	453.7	477.9	524.8
69°	22.5	22.6	24.2	27.6	37.5	42.2	180.9	363.5	392.2	425.5	481.0
70°	21.6	21.5	22.9	25.7	34.0	33.3	132.5	316.0	338.3	368.2	431.8
72.5°	19.2	19.0	19.8	22.0	26.7	23.7	54.1	170.0	203.6	237.2	288.0
75°	17.2	16.9	17.4	18.5	20.8	18.1	27.2	71.2	86.2	111.5	153.8
77.5°	15.2	14.6	15.2	15.8	16.3	13.6	18.4	33.0	40.4	49.6	70.1
80°	13.7	13.3	13.8	13.5	12.8	10.5	12.3	19.2	21.3	25.5	33.3
82.5°	9.8	9.7	13.1	13.6	10.2	7.6	8.7	12.4	13.7	14.6	17.6
85°	6.0	5.7	7.6	9.7	10.4	4.9	5.6	7.3	7.6	8.4	9.8
87.5°	3.1	3.1	4.1	5.0	6.7	2.9	3.3	4.3	4.3	4.3	4.9
90°	0.8	0.9	1.3	1.8	1.4	0.8	1.3	1.0	1.2	1.0	1.2
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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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
2.5°	83.1	82.8	82.6	82.6	82.5	82.3	82.3	82.3	82.3	82.1	81.9
5°	85.6	85.4	84.9	84.8	84.6	84.5	84.2	84.0	83.9	83.7	83.5
7.5°	88.3	87.9	87.6	87.2	86.9	86.1	86.1	85.7	85.5	85.2	84.9
10°	91.2	90.5	90.3	89.8	89.4	89.0	88.6	87.9	87.5	87.2	86.8
12.5°	95.4	94.7	94.1	93.3	93.0	92.2	91.5	90.9	90.3	90.0	89.1
15°	100.1	99.2	98.5	97.9	97.3	96.6	95.8	95.2	94.3	93.5	92.7
17.5°	105.7	104.7	104.2	103.3	102.5	101.8	101.1	100.3	99.5	98.3	97.6
20°	113.0	112.2	111.6	110.6	109.8	109.0	108.4	106.7	105.7	104.6	103.5
22.5°	119.7	119.8	119.3	118.6	117.9	117.0	116.2	114.9	113.6	112.2	110.7
25°	127.1	127.8	127.9	127.6	127.4	126.2	125.9	124.5	123.6	121.2	120.6
27.5°	135.4	136.1	137.0	138.2	138.4	137.2	137.8	136.5	134.7	133.8	131.5
30°	143.3	145.3	147.3	148.7	149.5	150.1	149.7	149.3	148.1	146.4	144.4
32.5°	153.5	155.7	157.7	160.5	162.1	163.9	163.6	163.7	163.3	161.7	159.4
35°	163.9	165.7	168.3	170.2	173.9	175.9	177.5	177.4	177.4	176.4	174.3
37.5°	172.9	174.0	176.2	179.3	181.7	184.9	187.7	188.7	190.5	190.6	188.3
40°	182.5	183.6	185.2	187.6	190.2	194.0	197.5	201.1	202.7	204.5	203.6
42.5°	192.9	194.0	195.2	196.7	200.5	203.5	208.4	213.1	216.5	220.2	219.7
45°	203.1	204.4	206.0	208.4	211.8	216.5	221.3	226.6	234.5	238.7	241.6
47.5°	214.7	216.9	219.8	223.5	226.2	231.2	237.2	245.5	253.4	260.8	265.4
50°	232.0	232.9	237.9	241.5	246.8	251.7	257.6	265.0	275.3	282.9	290.2
52.5°	252.5	255.7	260.8	264.8	269.0	274.1	280.1	286.6	296.9	305.3	314.9
55°	279.0	283.5	288.0	290.2	296.0	300.6	305.4	311.9	322.9	332.1	343.3
57.5°	310.6	315.1	317.2	320.4	323.0	328.0	334.7	339.0	348.8	358.3	370.2
60°	375.5	372.7	375.1	370.2	369.5	369.9	371.3	374.6	380.2	389.0	401.5
62.5°	492.6	488.5	477.6	473.7	466.0	455.7	446.0	444.6	441.8	448.5	456.4
65°	560.9	575.8	577.5	581.7	578.6	570.6	559.1	555.5	546.3	539.8	539.4
67.5°	544.6	566.9	580.9	598.6	608.4	617.9	620.5	623.7	617.8	614.8	615.7
69°	498.9	515.4	546.8	558.8	574.4	587.1	603.8	606.7	612.6	613.5	624.5
70°	453.6	478.0	496.0	514.0	535.5	549.4	556.9	569.4	583.8	590.7	602.9
72.5°	326.2	334.1	346.8	370.3	376.3	390.8	405.6	416.2	433.1	444.9	473.2
75°	176.0	180.8	200.8	214.1	217.6	222.4	233.3	235.9	242.1	246.0	273.4
77.5°	80.4	87.7	90.3	97.6	93.4	95.4	98.1	97.5	99.3	107.5	117.2
80°	37.0	38.4	39.4	42.5	42.7	42.0	42.2	41.8	41.5	42.8	43.8
82.5°	18.1	20.2	20.2	22.1	23.0	22.6	23.3	23.1	23.4	23.1	24.2
85°	10.6	10.6	11.4	12.4	12.3	12.6	12.6	13.3	13.4	13.5	13.5
87.5°	4.9	5.4	5.7	6.1	6.3	6.6	6.6	6.6	6.7	6.6	6.7
90°	1.3	1.3	2.1	2.1	2.2	2.5	2.2	2.3	3.0	2.2	2.8
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



REPORT NUMBER: P271817

CATALOG NUMBER: ISW-AF-XXX-LED-E1-T2-7027-XXB

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
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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CATALOG NUMBER: ISW-AF-XXX-LED-E1-T2-7027-XXB

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
2.5°	81.7	81.9	81.8	81.6	81.5	81.5	81.3	81.2	81.0	80.9	81.0
5°	83.4	83.4	83.0	82.7	82.4	82.3	82.3	81.7	81.7	81.5	81.3
7.5°	84.7	84.5	84.2	83.6	83.4	83.3	82.8	82.5	82.0	81.7	81.6
10°	86.2	86.1	85.4	85.0	84.4	84.2	83.6	83.1	82.7	82.3	81.9
12.5°	88.4	88.2	87.5	86.5	86.0	85.7	84.9	84.4	83.7	83.3	82.6
15°	91.8	91.1	90.5	89.7	88.8	88.1	87.2	86.3	85.6	84.7	84.2
17.5°	96.5	95.5	94.2	93.6	92.5	91.4	90.3	89.7	88.6	87.6	86.6
20°	102.6	101.7	99.5	98.8	97.4	95.8	94.8	93.5	92.5	91.0	89.9
22.5°	109.3	108.5	106.4	104.6	103.1	101.9	100.3	98.7	96.9	95.4	94.3
25°	118.1	116.9	115.2	113.2	111.1	109.3	107.2	104.9	103.5	101.3	99.6
27.5°	130.2	128.0	125.0	122.9	121.2	118.6	115.9	113.8	111.5	108.8	106.9
30°	143.1	140.8	138.5	136.0	133.3	130.7	127.0	124.1	121.6	118.7	115.6
32.5°	157.6	155.5	152.4	149.1	146.2	142.9	140.1	137.1	132.7	129.6	126.4
35°	172.0	169.6	166.5	163.6	160.3	156.9	153.9	149.8	145.9	141.4	137.0
37.5°	185.9	184.0	180.4	176.2	173.4	169.7	166.5	162.2	157.6	152.6	149.3
40°	201.6	198.3	195.8	191.0	187.9	184.0	179.5	176.2	171.7	166.3	161.4
42.5°	219.5	217.1	214.5	210.7	207.4	202.6	197.0	192.8	188.6	182.2	175.6
45°	242.1	240.6	236.3	233.1	228.9	223.9	219.0	213.8	207.1	199.7	193.8
47.5°	269.2	268.1	264.2	259.7	254.1	247.3	242.7	235.6	230.1	220.8	213.5
50°	293.8	294.5	292.4	285.4	280.5	273.6	266.4	260.3	251.6	242.1	232.9
52.5°	323.3	322.7	317.4	313.6	307.6	299.5	291.6	283.7	274.3	264.3	252.9
55°	351.5	353.2	349.5	344.1	336.9	325.4	317.6	307.2	297.2	286.3	273.2
57.5°	378.7	384.4	381.5	375.1	367.7	359.4	349.0	337.4	327.2	312.9	298.0
60°	412.8	420.2	421.5	417.3	409.2	399.6	385.9	376.9	362.6	349.5	338.0
62.5°	465.1	482.1	481.1	483.1	477.4	471.4	455.4	445.6	427.3	417.8	401.8
65°	552.6	565.1	580.1	579.7	575.7	561.4	544.8	528.7	516.4	497.8	481.1
67.5°	626.1	636.4	645.3	640.6	631.6	615.6	596.1	573.5	555.1	534.4	512.6
69°	632.9	645.5	650.7	645.1	628.7	607.8	588.9	567.8	542.4	524.7	498.0
70°	614.5	626.8	637.3	622.7	607.8	587.4	566.7	544.8	521.9	503.1	476.0
72.5°	488.0	502.2	500.6	499.1	487.2	466.8	447.7	435.9	420.0	397.1	377.6
75°	283.9	290.3	278.9	290.9	276.6	256.1	258.8	245.6	233.8	220.5	210.3
77.5°	111.5	117.2	111.2	109.2	102.9	101.5	90.9	92.1	86.9	76.4	71.7
80°	42.2	43.0	42.0	39.9	39.4	37.0	36.4	34.0	33.0	29.6	28.3
82.5°	22.6	23.2	22.5	21.8	21.3	19.9	19.0	17.2	16.2	15.1	15.0
85°	13.0	12.8	12.4	12.0	11.3	10.5	9.8	9.2	8.4	7.7	7.2
87.5°	6.8	7.0	7.1	6.6	6.2	5.5	5.1	4.9	4.3	4.0	3.8
90°	2.2	1.7	2.0	2.4	2.2	1.9	1.8	1.4	1.3	1.3	1.0
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



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°	
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°

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REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°	110°	87°
80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	110°	0.0
80.8	80.8	80.6	80.5	79.9	78.8	77.8	77.0	75.6	75.2	74.5	112.5°	0.0
81.0	80.9	80.7	80.4	79.2	76.9	74.4	71.9	69.1	66.7	63.9	115°	0.0
81.3	80.9	80.6	80.2	78.5	74.9	70.1	64.9	60.2	56.5	55.1	117.5°	0.0
81.4	81.0	80.7	80.1	77.7	72.4	64.6	57.2	53.0	51.7	51.3	120°	0.0
82.3	81.8	81.2	80.6	77.4	69.7	58.5	51.5	49.8	50.5	51.7	122.5°	0.0
83.5	82.9	82.1	81.5	77.3	66.0	52.6	48.1	48.8	50.7	52.6	125°	0.0
85.6	84.7	83.8	83.1	77.6	61.6	47.8	46.5	48.3	50.7	53.2	127.5°	0.0
88.7	87.5	86.3	85.2	78.2	56.1	44.9	45.5	47.5	50.0	52.9	130°	0.0
92.5	91.2	89.7	87.9	78.7	51.3	43.3	44.3	46.2	48.4	50.8	132.5°	0.0
97.7	95.8	94.0	91.8	79.5	46.2	42.0	42.8	44.1	45.4	46.5	135°	0.0
104.2	101.8	99.6	96.7	80.4	42.6	40.7	41.1	41.3	41.5	41.4	137.5°	0.0
113.0	109.1	106.7	103.0	81.3	40.7	39.3	39.0	38.5	38.0	37.3	140°	0.0
122.2	118.9	115.2	110.5	81.8	39.4	38.1	36.8	35.7	35.0	35.0	142.5°	0.0
132.9	129.0	124.1	118.4	81.0	38.1	36.4	34.7	34.0	34.8	34.6	145°	0.0
143.5	138.2	132.8	126.2	79.3	36.7	34.7	33.7	34.1	33.1	32.6	147.5°	0.0
155.5	149.4	141.9	134.3	76.5	35.0	33.7	34.1	32.4	31.2	31.8	150°	0.0
168.7	161.5	153.5	143.0	74.8	34.0	32.2	32.7	31.2	30.4	30.1	152.5°	0.0
186.7	176.6	166.7	154.5	76.2	32.4	29.6	31.2	30.4	29.6	28.9	155°	0.0
204.4	193.6	182.0	167.5	78.5	31.2	27.3	29.6	30.1	28.9	27.7	157.5°	0.0
222.2	210.7	197.2	181.0	81.4	30.5	25.6	27.7	29.7	28.3	27.2	160°	0.0
240.8	226.4	212.4	195.1	85.1	29.7	24.3	26.1	28.9	28.3	26.7	162.5°	0.0
260.5	243.4	229.6	210.7	91.4	28.7	22.6	24.6	28.3	28.2	26.2	165°	0.0
283.2	268.0	250.2	231.0	100.5	27.4	21.1	23.6	27.6	27.8	25.6	167.5°	0.0
322.0	306.3	284.9	266.5	118.3	25.7	20.2	22.6	26.5	27.2	25.2	170°	0.0
384.9	363.5	343.8	326.7	148.7	23.4	19.5	21.5	25.3	26.3	24.7	172.5°	0.0
457.1	436.1	412.4	383.7	165.6	21.2	18.7	20.2	24.2	25.5	24.3	175°	0.0
487.8	460.4	431.5	397.4	149.4	19.4	17.6	19.0	22.7	24.3	23.7	177.5°	0.0
473.8	446.0	412.4	378.9	130.0	18.5	17.0	18.2	21.8	23.5	23.2	180°	0.0
449.2	421.3	391.3	351.1	116.2	18.1	16.6	17.9	21.4	23.2	22.7		
355.3	330.5	302.8	272.2	79.1	16.3	15.2	16.6	19.8	21.6	21.5		
188.3	181.0	160.5	142.7	41.1	14.6	13.8	15.2	18.1	20.2	20.2		
67.8	61.5	58.7	48.9	21.8	12.8	12.4	13.5	16.5	18.4	18.3		
25.6	25.0	22.4	20.9	13.8	10.4	10.5	11.5	14.6	16.3	16.3		
14.6	13.1	12.8	12.4	8.8	8.3	8.6	9.6	12.4	14.0	14.2		
7.0	6.5	6.3	5.9	5.7	6.3	6.7	7.6	9.9	11.8	11.6		
3.3	3.1	3.1	3.1	4.1	4.0	4.9	5.3	6.6	9.4	8.4		
1.1	1.1	1.0	0.9	1.2	1.3	1.5	2.2	2.8	5.4	4.4		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'271817
 ISW-AF-XXX-LED-E1-T2-7027-XXB

REPORT NUMBER: P271817
 CATALOG NUMBER: ISW-AF-X

TION (continued):

CANDELA DISTRIBUTION (con

88°	89°	90°	95°	105°	115°	125°	135°	145°	155°		165°	175°
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°	80.3	80.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	73.9	72.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	61.7	61.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	54.2	53.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	51.7	51.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	52.7	53.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	54.2	54.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	55.1	56.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	54.8	55.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	52.0	52.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	47.1	47.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	41.1	41.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	37.0	35.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	35.0	34.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	33.7	32.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	34.9	34.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	36.1	35.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	34.0	32.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	30.5	28.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	27.8	26.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	26.7	26.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	26.4	27.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	26.2	27.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	25.1	26.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	24.3	26.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	23.7	25.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	23.3	26.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	22.6	26.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69°	22.3	26.5
										70°	22.0	26.2
										72.5°	20.8	24.3
										75°	19.3	21.4
										77.5°	17.4	18.3
										80°	15.5	16.0
										82.5°	13.5	15.5
										85°	10.6	13.0
										87.5°	7.7	7.2
										90°	4.4	3.2
										92.5°	0.0	0.0
										95°	0.0	0.0
										97.5°	0.0	0.0
										100°	0.0	0.0
										102.5°	0.0	0.0
										105°	0.0	0.0
										107.5°	0.0	0.0



REPORT NUMBER: P271817

CATALOG NUMBER: ISW-AF-XXX-LED-E1-

XX-LED-E1-T2-7027-XXB

tinued):

180°
80.3
73.0
61.1
53.1
51.8
52.8
54.8
56.3
56.1
53.0
47.4
41.6
36.7
35.1
33.1
35.2
36.3
33.0
28.7
26.7
26.2
27.5
27.1
26.7
26.2
25.8
25.7
25.9
25.5
25.2
22.6
20.3
18.3
16.2
13.7
10.2
7.7
2.8
0.0
0.0
0.0
0.0
0.0
0.0
0.0
0.0
0.0
0.0

CANDELA DISTRIBUTION (continued):

	165°	175°	180°
110°	0.0	0.0	0.0
112.5°	0.0	0.0	0.0
115°	0.0	0.0	0.0
117.5°	0.0	0.0	0.0
120°	0.0	0.0	0.0
122.5°	0.0	0.0	0.0
125°	0.0	0.0	0.0
127.5°	0.0	0.0	0.0
130°	0.0	0.0	0.0
132.5°	0.0	0.0	0.0
135°	0.0	0.0	0.0
137.5°	0.0	0.0	0.0
140°	0.0	0.0	0.0
142.5°	0.0	0.0	0.0
145°	0.0	0.0	0.0
147.5°	0.0	0.0	0.0
150°	0.0	0.0	0.0
152.5°	0.0	0.0	0.0
155°	0.0	0.0	0.0
157.5°	0.0	0.0	0.0
160°	0.0	0.0	0.0
162.5°	0.0	0.0	0.0
165°	0.0	0.0	0.0
167.5°	0.0	0.0	0.0
170°	0.0	0.0	0.0
172.5°	0.0	0.0	0.0
175°	0.0	0.0	0.0
177.5°	0.0	0.0	0.0
180°	0.0	0.0	0.0

(END OF F

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Scaled Data Report

