

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: P226295

Luminaire Tested: **ISW-AF-XXX-LED-E1-T2-7030-XXB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226295
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-T2-7030-XXB
Description: IMPACT ELITE LED WEDGE LUMINAIRE, EMERGENCY MODE WITH BATTERY
BACKPACK BOX
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 588.1 lumens
Efficiency: N/A
Efficacy: 45.2 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

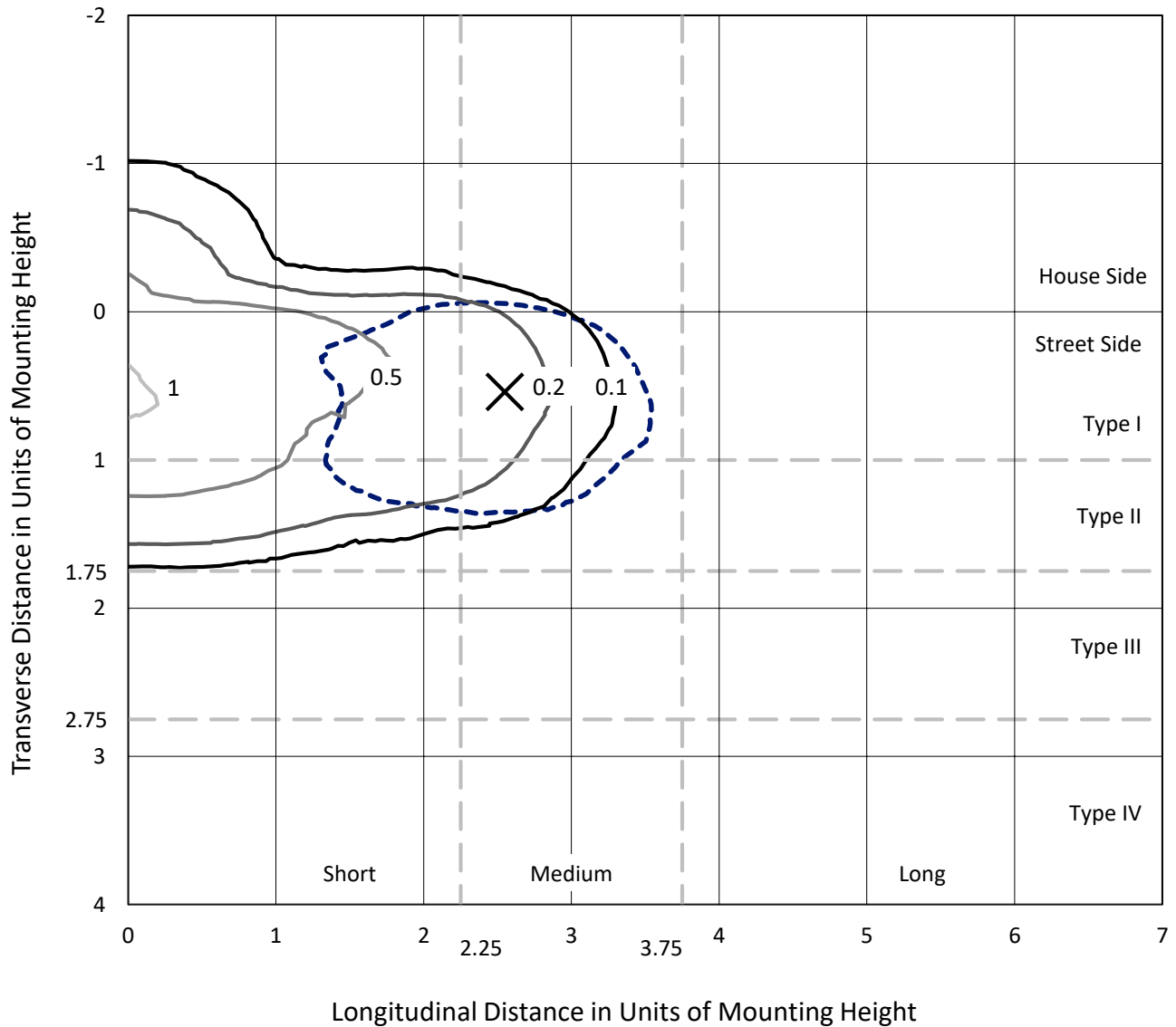


REPORT NUMBER: P226295

CATALOG NUMBER: ISW-AF-XXX-LED-E1-T2-7030-XXB

Iso-Footcandle Lines of Horizontal Illumination

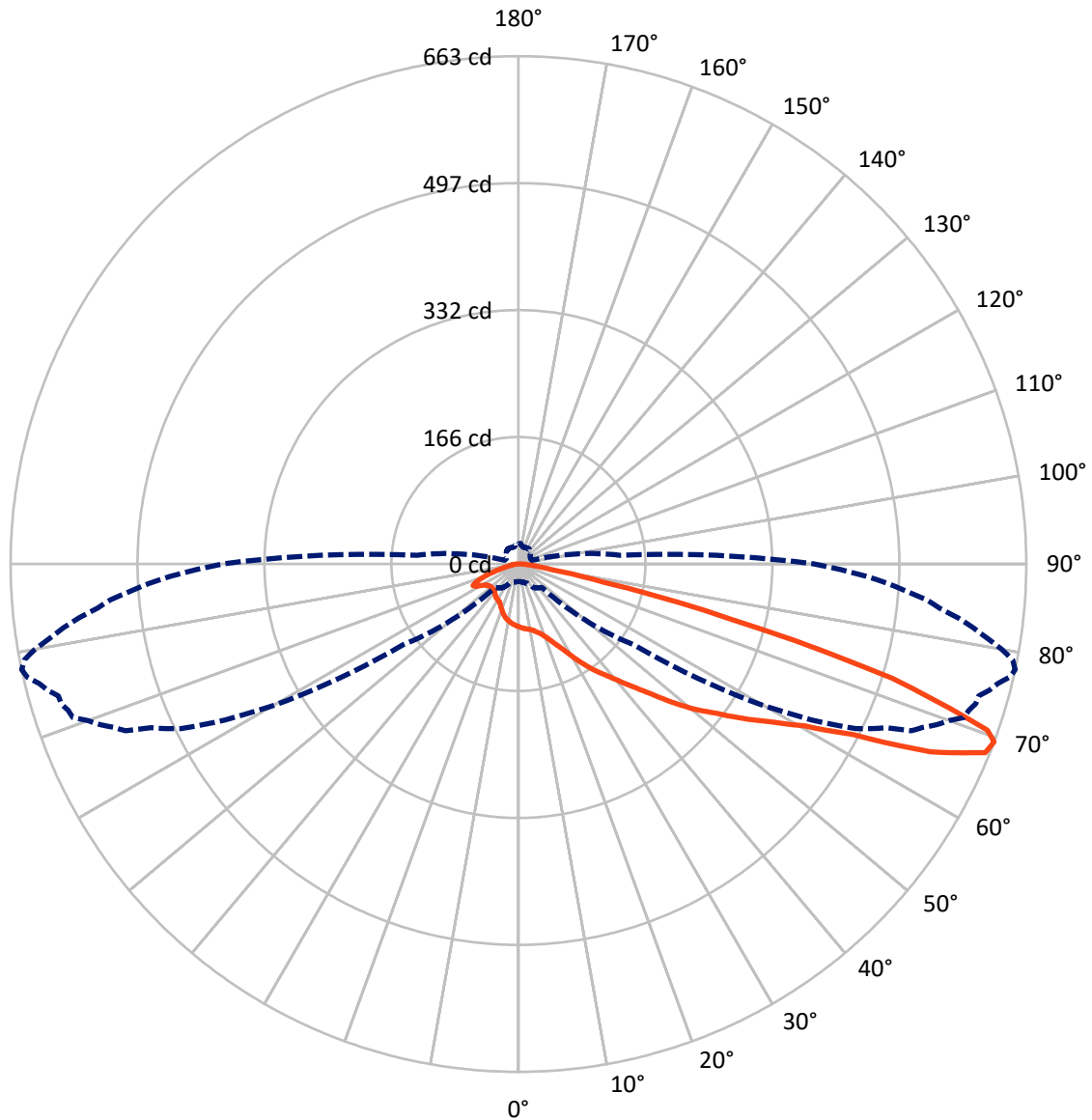
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P226295
CATALOG NUMBER: ISW-AF-XXX-LED-E1-T2-7030-XXB

Luminous Intensity Polar Plot



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

REPORT NUMBER: P226295

CATALOG NUMBER: ISW-AF-XXX-LED-E1-T2-7030-XXB

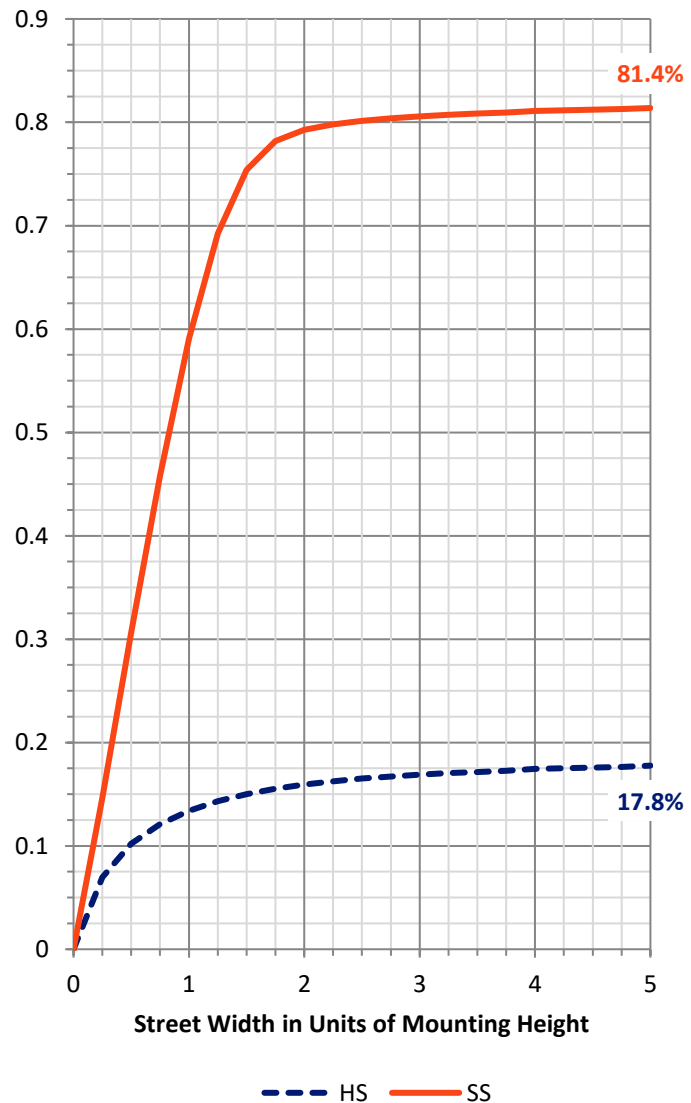
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	107.5	0.2	107.7
	% Fixture	18.3	0.0	18.3
Street Side	Lumens	480.3	0.1	480.4
	% Fixture	81.7	0.0	81.7
Total	Lumens	587.8	0.3	588.1
	% Fixture	99.9	0.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.6	1.3
10°-20°	22.9	3.9
20°-30°	41.1	7.0
30°-40°	67.1	11.4
40°-50°	99.3	16.9
50°-60°	129.6	22.0
60°-70°	145.0	24.6
70°-80°	65.1	11.1
80°-90°	10.2	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°	587.8	99.9
0°-180°	588.1	100.0



REPORT NUMBER: P226295

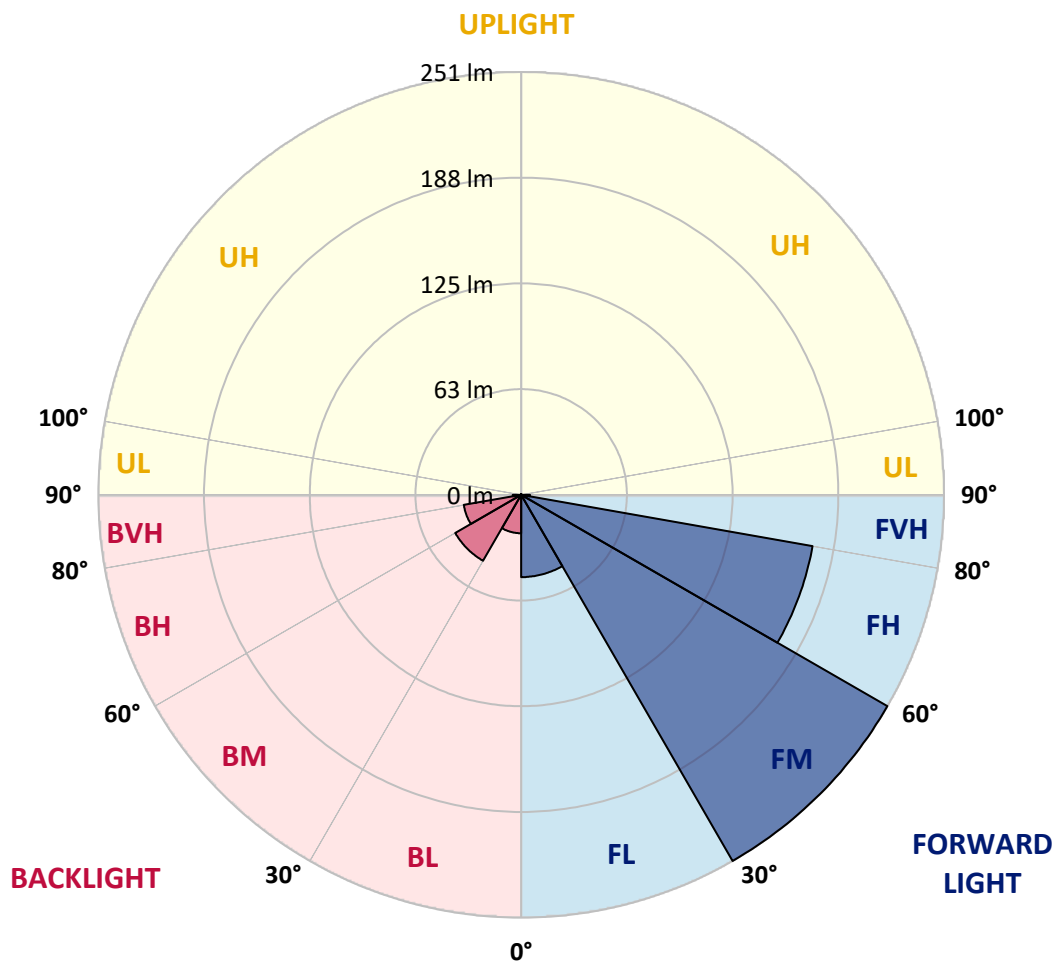
CATALOG NUMBER: ISW-AF-XXX-LED-E1-T2-7030-XXB

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	48.8	8.3			
FM (30°-60°)	250.8	42.6			
FH (60°-80°)	175.5	29.8			G0/660
FVH (80°-90°)	5.2	0.9			G0/10
BL (0°-30°)	22.8	3.9	B0/110		
BM (30°-60°)	45.2	7.7	B0/220		
BH (60°-80°)	34.6	5.9	B0/110		G0/110
BVH (80°-90°)	5.0	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





REPORT NUMBER: P226295

CATALOG NUMBER: ISW-AF-XXX-LED-E1-T2-7030-XXB

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
2.5°	87.6	87.6	87.3	87.2	86.9	86.2	85.2	85.0	85.0	84.8	84.6
5°	94.0	93.3	93.5	93.1	92.1	90.9	89.1	88.1	87.6	87.5	87.2
7.5°	99.2	99.3	99.0	98.2	96.9	95.5	92.9	91.4	91.0	90.8	90.2
10°	103.0	102.7	102.5	102.4	101.3	100.2	96.9	95.1	94.8	94.1	93.4
12.5°	105.7	105.7	105.7	105.5	104.9	104.0	101.4	99.6	99.2	98.3	97.7
15°	108.7	108.3	108.0	107.7	107.8	107.8	106.0	104.6	103.9	103.4	102.2
17.5°	115.1	114.3	113.6	112.5	110.9	110.5	110.4	110.3	109.4	109.3	108.1
20°	120.6	119.9	119.2	118.2	115.9	113.4	114.7	115.9	115.7	115.8	115.2
22.5°	127.3	126.8	125.4	124.2	121.2	118.3	118.4	121.0	121.3	121.7	121.8
25°	136.5	136.3	134.0	131.7	128.3	125.5	122.9	126.0	126.7	127.5	129.0
27.5°	145.8	145.2	142.8	140.8	136.5	133.5	129.9	131.6	132.6	134.0	136.4
30°	157.9	156.2	155.4	150.8	146.9	142.5	139.3	139.9	139.7	141.4	145.1
32.5°	175.3	172.7	168.5	163.8	159.2	153.4	150.8	150.7	150.3	152.2	154.3
35°	184.7	184.1	181.4	176.8	171.8	166.3	164.6	163.0	163.2	164.3	165.0
37.5°	194.8	194.3	192.3	189.7	185.9	188.9	179.4	177.0	175.9	175.4	175.6
40°	199.3	199.7	200.8	201.2	199.0	213.4	194.7	186.8	186.5	185.7	184.9
42.5°	200.2	201.3	203.5	208.4	210.5	241.8	207.3	197.8	196.5	195.9	195.9
45°	203.6	205.3	205.8	210.2	220.3	243.2	221.6	207.6	206.5	206.4	205.9
47.5°	211.9	214.2	214.2	216.2	225.7	246.1	226.4	217.3	216.6	216.3	217.6
50°	213.1	216.2	222.3	228.6	235.6	248.4	232.0	227.9	228.1	228.9	232.9
52.5°	192.9	195.9	212.2	230.8	253.3	254.7	240.3	242.0	243.7	247.4	254.8
55°	165.4	167.6	186.8	216.6	254.0	278.7	261.3	265.9	269.5	270.6	282.1
57.5°	130.2	133.3	152.8	191.5	237.2	285.5	309.7	311.7	307.7	311.4	315.6
60°	70.5	70.2	97.4	138.5	201.8	272.9	356.3	391.5	392.3	398.0	391.2
62.5°	39.4	39.4	47.3	71.1	129.9	230.9	378.7	460.5	471.1	480.1	499.8
65°	29.8	30.1	32.9	42.9	72.9	145.7	362.3	484.0	504.5	525.1	559.7
67.5°	24.8	24.8	26.8	31.9	45.6	66.2	266.7	436.7	462.3	486.9	534.7
69°	23.0	23.1	24.6	28.1	38.2	43.0	184.3	370.3	399.6	433.6	490.0
70°	22.1	21.9	23.3	26.2	34.6	34.0	135.0	322.0	344.7	375.2	440.0
72.5°	19.6	19.4	20.1	22.4	27.2	24.2	55.1	173.2	207.5	241.7	293.4
75°	17.5	17.2	17.8	18.9	21.2	18.5	27.7	72.6	87.9	113.6	156.7
77.5°	15.5	14.9	15.5	16.1	16.6	13.8	18.8	33.6	41.2	50.5	71.4
80°	14.0	13.5	14.1	13.7	13.1	10.7	12.5	19.6	21.7	26.0	34.0
82.5°	10.0	9.9	13.4	13.8	10.4	7.8	8.9	12.6	14.0	14.8	17.9
85°	6.1	5.9	7.8	9.9	10.6	4.9	5.7	7.4	7.8	8.5	10.0
87.5°	3.2	3.2	4.2	5.1	6.9	2.9	3.4	4.4	4.4	4.4	5.0
90°	0.8	0.9	1.3	1.8	1.5	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



REPORT NUMBER: P226295

CATALOG NUMBER: ISW-AF-XXX-LED-E1-T2-7030-XXB

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



REPORT NUMBER: P226295

CATALOG NUMBER: ISW-AF-XXX-LED-E1-T2-7030-XXB

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
2.5°	84.7	84.4	84.1	84.2	84.0	83.8	83.8	83.8	83.8	83.7	83.5
5°	87.2	87.0	86.5	86.4	86.2	86.1	85.8	85.6	85.5	85.3	85.0
7.5°	90.0	89.5	89.2	88.9	88.5	87.8	87.7	87.3	87.1	86.9	86.5
10°	92.9	92.3	92.0	91.5	91.1	90.7	90.2	89.6	89.1	88.9	88.4
12.5°	97.2	96.5	95.8	95.1	94.7	93.9	93.3	92.6	92.0	91.7	90.8
15°	102.0	101.0	100.3	99.8	99.1	98.4	97.7	97.0	96.1	95.3	94.5
17.5°	107.7	106.7	106.2	105.3	104.4	103.7	103.1	102.2	101.4	100.1	99.4
20°	115.1	114.3	113.7	112.7	111.8	111.0	110.5	108.7	107.7	106.5	105.4
22.5°	122.0	122.1	121.5	120.8	120.2	119.2	118.3	117.1	115.8	114.3	112.8
25°	129.5	130.2	130.3	130.1	129.8	128.6	128.2	126.9	125.9	123.5	122.8
27.5°	137.9	138.7	139.6	140.8	141.0	139.8	140.4	139.1	137.3	136.3	134.0
30°	146.0	148.1	150.1	151.5	152.3	152.9	152.5	152.1	150.9	149.2	147.2
32.5°	156.4	158.6	160.6	163.6	165.1	167.0	166.7	166.8	166.4	164.7	162.4
35°	166.9	168.9	171.4	173.4	177.2	179.2	180.9	180.8	180.8	179.8	177.6
37.5°	176.2	177.3	179.5	182.7	185.2	188.4	191.2	192.3	194.1	194.2	191.8
40°	186.0	187.1	188.7	191.1	193.8	197.7	201.3	204.9	206.6	208.4	207.5
42.5°	196.5	197.7	198.9	200.4	204.3	207.3	212.3	217.1	220.6	224.3	223.9
45°	206.9	208.2	209.9	212.3	215.8	220.6	225.4	230.9	238.9	243.2	246.2
47.5°	218.7	220.9	224.0	227.7	230.5	235.6	241.6	250.1	258.2	265.7	270.4
50°	236.4	237.3	242.4	246.0	251.4	256.5	262.5	270.0	280.5	288.2	295.7
52.5°	257.3	260.6	265.7	269.8	274.1	279.2	285.4	292.1	302.5	311.1	320.9
55°	284.3	288.9	293.4	295.6	301.6	306.2	311.2	317.8	329.0	338.4	349.8
57.5°	316.5	321.1	323.2	326.5	329.1	334.2	341.0	345.4	355.4	365.1	377.2
60°	382.6	379.7	382.2	377.2	376.4	376.9	378.3	381.7	387.3	396.3	409.1
62.5°	501.9	497.7	486.6	482.6	474.8	464.3	454.4	453.0	450.1	457.0	465.0
65°	571.5	586.7	588.4	592.6	589.5	581.4	569.7	566.0	556.6	550.0	549.6
67.5°	554.8	577.6	591.9	609.9	619.9	629.6	632.2	635.5	629.4	626.4	627.3
69°	508.3	525.2	557.1	569.4	585.2	598.2	615.2	618.2	624.1	625.0	636.3
70°	462.2	487.0	505.3	523.7	545.6	559.8	567.5	580.2	594.8	601.9	614.2
72.5°	332.3	340.4	353.4	377.3	383.4	398.1	413.2	424.0	441.2	453.3	482.2
75°	179.3	184.2	204.6	218.1	221.7	226.6	237.7	240.3	246.7	250.7	278.5
77.5°	81.9	89.3	92.0	99.4	95.2	97.2	99.9	99.3	101.1	109.6	119.4
80°	37.7	39.2	40.2	43.3	43.5	42.8	43.0	42.6	42.3	43.6	44.7
82.5°	18.4	20.6	20.6	22.5	23.4	23.1	23.7	23.5	23.8	23.5	24.6
85°	10.8	10.8	11.6	12.6	12.5	12.8	12.8	13.5	13.6	13.7	13.7
87.5°	5.0	5.5	5.8	6.2	6.4	6.7	6.8	6.8	6.9	6.7	6.9
90°	1.3	1.3	2.1	2.1	2.3	2.6	2.2	2.4	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: P226295

CATALOG NUMBER: ISW-AF-XXX-LED-E1-T2-7030-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



REPORT NUMBER: P226295

CATALOG NUMBER: ISW-AF-XXX-LED-E1-T2-7030-XXB

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
2.5°	83.3	83.5	83.4	83.1	83.0	83.0	82.8	82.7	82.6	82.5	82.6
5°	84.9	84.9	84.6	84.3	83.9	83.8	83.8	83.3	83.2	83.0	82.8
7.5°	86.3	86.1	85.8	85.2	84.9	84.8	84.4	84.0	83.6	83.2	83.1
10°	87.9	87.7	87.0	86.6	85.9	85.8	85.2	84.7	84.3	83.8	83.5
12.5°	90.1	89.9	89.1	88.1	87.6	87.3	86.5	85.9	85.3	84.8	84.2
15°	93.5	92.8	92.3	91.3	90.5	89.8	88.9	88.0	87.2	86.3	85.8
17.5°	98.3	97.3	96.0	95.4	94.3	93.2	92.0	91.4	90.2	89.2	88.2
20°	104.5	103.6	101.4	100.7	99.2	97.6	96.6	95.3	94.3	92.7	91.6
22.5°	111.4	110.6	108.5	106.5	105.1	103.8	102.2	100.6	98.8	97.2	96.1
25°	120.4	119.1	117.3	115.3	113.2	111.4	109.2	106.9	105.4	103.2	101.5
27.5°	132.6	130.4	127.4	125.2	123.5	120.8	118.1	116.0	113.6	110.8	108.9
30°	145.8	143.4	141.1	138.6	135.8	133.2	129.4	126.4	123.9	120.9	117.8
32.5°	160.5	158.4	155.2	151.9	148.9	145.6	142.8	139.7	135.2	132.1	128.8
35°	175.3	172.8	169.6	166.7	163.3	159.9	156.8	152.7	148.6	144.1	139.6
37.5°	189.5	187.4	183.8	179.6	176.6	172.9	169.7	165.3	160.5	155.5	152.1
40°	205.4	202.0	199.5	194.6	191.5	187.4	182.9	179.5	174.9	169.4	164.5
42.5°	223.6	221.2	218.6	214.6	211.3	206.4	200.7	196.4	192.1	185.6	178.9
45°	246.7	245.1	240.8	237.5	233.2	228.1	223.1	217.8	211.1	203.5	197.4
47.5°	274.3	273.1	269.2	264.6	258.9	252.0	247.3	240.1	234.4	225.0	217.6
50°	299.4	300.0	297.9	290.8	285.7	278.8	271.5	265.2	256.4	246.7	237.3
52.5°	329.4	328.8	323.4	319.5	313.4	305.1	297.1	289.0	279.4	269.3	257.6
55°	358.1	359.9	356.1	350.6	343.2	331.5	323.5	313.0	302.8	291.7	278.3
57.5°	385.9	391.6	388.7	382.2	374.6	366.2	355.6	343.8	333.3	318.8	303.6
60°	420.6	428.2	429.4	425.1	416.9	407.1	393.2	384.0	369.5	356.1	344.4
62.5°	473.9	491.2	490.2	492.2	486.4	480.3	464.0	454.1	435.4	425.7	409.4
65°	563.1	575.8	591.1	590.6	586.6	572.0	555.1	538.6	526.2	507.2	490.2
67.5°	637.9	648.4	657.4	652.7	643.5	627.2	607.4	584.3	565.5	544.5	522.2
69°	644.9	657.7	663.0	657.2	640.6	619.3	600.0	578.5	552.6	534.6	507.4
70°	626.1	638.7	649.4	634.5	619.3	598.5	577.3	555.1	531.8	512.5	485.0
72.5°	497.3	511.6	510.1	508.5	496.4	475.7	456.2	444.2	427.9	404.5	384.7
75°	289.2	295.8	284.2	296.4	281.8	260.9	263.7	250.2	238.2	224.7	214.3
77.5°	113.6	119.4	113.3	111.3	104.8	103.4	92.6	93.8	88.5	77.9	73.0
80°	43.0	43.8	42.8	40.6	40.2	37.7	37.1	34.7	33.6	30.1	28.8
82.5°	23.1	23.6	22.9	22.2	21.7	20.2	19.3	17.5	16.5	15.4	15.3
85°	13.3	13.0	12.6	12.3	11.5	10.7	10.0	9.3	8.5	7.9	7.3
87.5°	7.0	7.1	7.2	6.8	6.3	5.6	5.2	5.0	4.4	4.1	3.8
90°	2.3	1.7	2.0	2.5	2.3	1.9	1.8	1.5	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



REPORT NUMBER: P226295
 CATALOG NUMBER: ISW-AF-XXX-LED-E1-T2-7030-XXB

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°

NUMBER: P226295
 NUMBER: ISW-AF-XXX-LED-E1-T2-7030-XXB

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°	110°	87°
81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	110°	0.0
82.4	82.4	82.1	82.0	81.4	80.3	79.3	78.4	77.1	76.6	75.9	112.5°	0.0
82.6	82.5	82.2	81.9	80.7	78.3	75.8	73.2	70.4	68.0	65.1	115°	0.0
82.8	82.5	82.1	81.7	80.0	76.3	71.4	66.2	61.3	57.6	56.1	117.5°	0.0
82.9	82.6	82.2	81.6	79.2	73.8	65.8	58.3	54.0	52.6	52.3	120°	0.0
83.8	83.4	82.7	82.1	78.9	71.0	59.6	52.4	50.7	51.4	52.6	122.5°	0.0
85.0	84.5	83.7	83.0	78.7	67.3	53.5	49.1	49.7	51.6	53.5	125°	0.0
87.2	86.3	85.4	84.7	79.1	62.8	48.7	47.4	49.2	51.6	54.2	127.5°	0.0
90.3	89.1	88.0	86.8	79.6	57.1	45.8	46.3	48.4	51.0	53.9	130°	0.0
94.3	92.9	91.4	89.6	80.2	52.3	44.1	45.1	47.0	49.3	51.7	132.5°	0.0
99.6	97.7	95.7	93.5	81.0	47.0	42.7	43.7	44.9	46.2	47.4	135°	0.0
106.2	103.7	101.5	98.5	81.9	43.4	41.5	41.8	42.1	42.3	42.2	137.5°	0.0
115.1	111.2	108.7	105.0	82.8	41.5	40.1	39.7	39.3	38.7	38.0	140°	0.0
124.5	121.2	117.3	112.6	83.4	40.2	38.8	37.5	36.3	35.7	35.7	142.5°	0.0
135.4	131.4	126.4	120.6	82.6	38.8	37.1	35.3	34.7	35.4	35.2	145°	0.0
146.3	140.8	135.3	128.6	80.8	37.3	35.3	34.3	34.8	33.8	33.2	147.5°	0.0
158.4	152.2	144.6	136.8	78.0	35.7	34.3	34.8	33.0	31.8	32.4	150°	0.0
171.9	164.6	156.4	145.7	76.2	34.7	32.9	33.3	31.8	30.9	30.7	152.5°	0.0
190.2	179.9	169.9	157.4	77.6	33.0	30.1	31.8	30.9	30.1	29.5	155°	0.0
208.2	197.2	185.4	170.7	80.0	31.8	27.8	30.1	30.7	29.5	28.2	157.5°	0.0
226.3	214.6	200.9	184.4	82.9	31.1	26.1	28.2	30.3	28.8	27.7	160°	0.0
245.4	230.6	216.5	198.8	86.7	30.3	24.8	26.5	29.5	28.8	27.2	162.5°	0.0
265.4	247.9	233.9	214.6	93.2	29.2	23.1	25.1	28.8	28.7	26.7	165°	0.0
288.6	273.0	254.9	235.4	102.4	27.9	21.5	24.1	28.1	28.3	26.1	167.5°	0.0
328.1	312.1	290.2	271.6	120.5	26.2	20.6	23.1	27.0	27.7	25.6	170°	0.0
392.2	370.4	350.3	332.9	151.5	23.8	19.9	21.9	25.8	26.8	25.2	172.5°	0.0
465.7	444.4	420.2	390.9	168.7	21.6	19.0	20.6	24.6	26.0	24.8	175°	0.0
497.0	469.1	439.6	404.9	152.2	19.8	17.9	19.3	23.2	24.8	24.2	177.5°	0.0
482.7	454.4	420.2	386.1	132.4	18.9	17.3	18.6	22.2	24.0	23.6	180°	0.0
457.7	429.3	398.7	357.8	118.3	18.4	16.9	18.2	21.8	23.6	23.2		
362.0	336.7	308.5	277.3	80.6	16.6	15.5	16.9	20.1	22.0	21.9		
191.8	184.4	163.6	145.3	41.8	14.9	14.1	15.5	18.5	20.6	20.6		
69.1	62.7	59.9	49.8	22.2	13.0	12.6	13.7	16.8	18.8	18.7		
26.1	25.4	22.8	21.3	14.1	10.6	10.7	11.7	14.8	16.6	16.6		
14.8	13.4	13.0	12.6	9.0	8.4	8.8	9.8	12.6	14.3	14.5		
7.1	6.6	6.4	6.0	5.9	6.4	6.9	7.8	10.1	12.0	11.8		
3.4	3.2	3.2	3.1	4.2	4.1	5.0	5.4	6.7	9.6	8.6		
1.1	1.1	1.0	0.9	1.2	1.4	1.6	2.3	2.8	5.5	4.5		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		



'226295
 ISW-AF-XXX-LED-E1-T2-7030-XXB

REPORT NUMBER: P226295
 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°	81.8	81.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	75.3	74.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	62.9	62.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	55.2	54.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	52.6	52.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	53.7	54.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	55.2	55.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	56.1	57.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	55.8	56.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	53.0	53.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	48.0	48.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	41.9	41.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	37.7	36.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	35.7	35.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	34.3	33.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	35.6	35.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	36.8	36.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	34.7	33.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	31.0	29.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	28.4	27.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	27.2	26.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	26.9	27.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	26.7	27.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	25.5	27.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	24.7	26.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	24.2	26.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	23.7	26.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	23.1	27.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69°	22.7	27.0
										70°	22.4	26.7
										72.5°	21.2	24.7
										75°	19.7	21.8
										77.5°	17.8	18.7
										80°	15.8	16.3
										82.5°	13.7	15.7
										85°	10.8	13.3
										87.5°	7.9	7.3
										90°	4.5	3.3
										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: P226295

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

XX-LED-E1-T2-7030-XXB

tinued):

180°
81.8
74.4
62.2
54.1
52.8
53.8
55.8
57.4
57.2
54.0
48.3
42.4
37.4
35.8
33.7
35.9
37.0
33.6
29.2
27.2
26.7
28.0
27.6
27.2
26.7
26.3
26.2
26.4
26.0
25.6
23.1
20.7
18.7
16.5
13.9
10.4
7.9
2.8
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

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Scaled Data Report

