

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: P226269

Luminaire Tested: **ISW-AF-350-LED-E1-T2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226269
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-350-LED-E1-T2-8030
Description: IMPACT ELITE LED WEDGE LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2038.2 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium - Cutoff
BUG Rating: B1 - U1 - G1

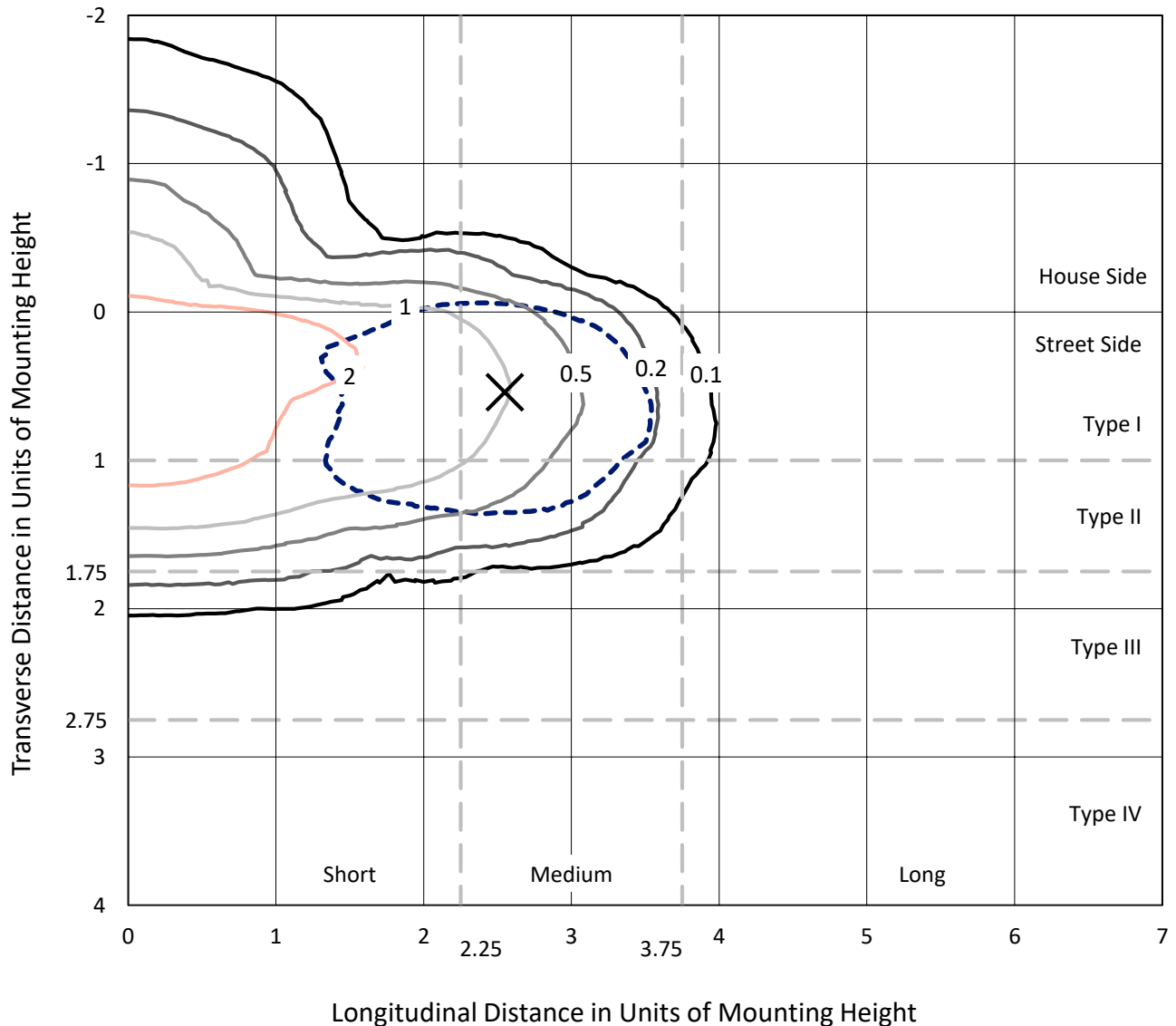
Input Watts (W): 20.09
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

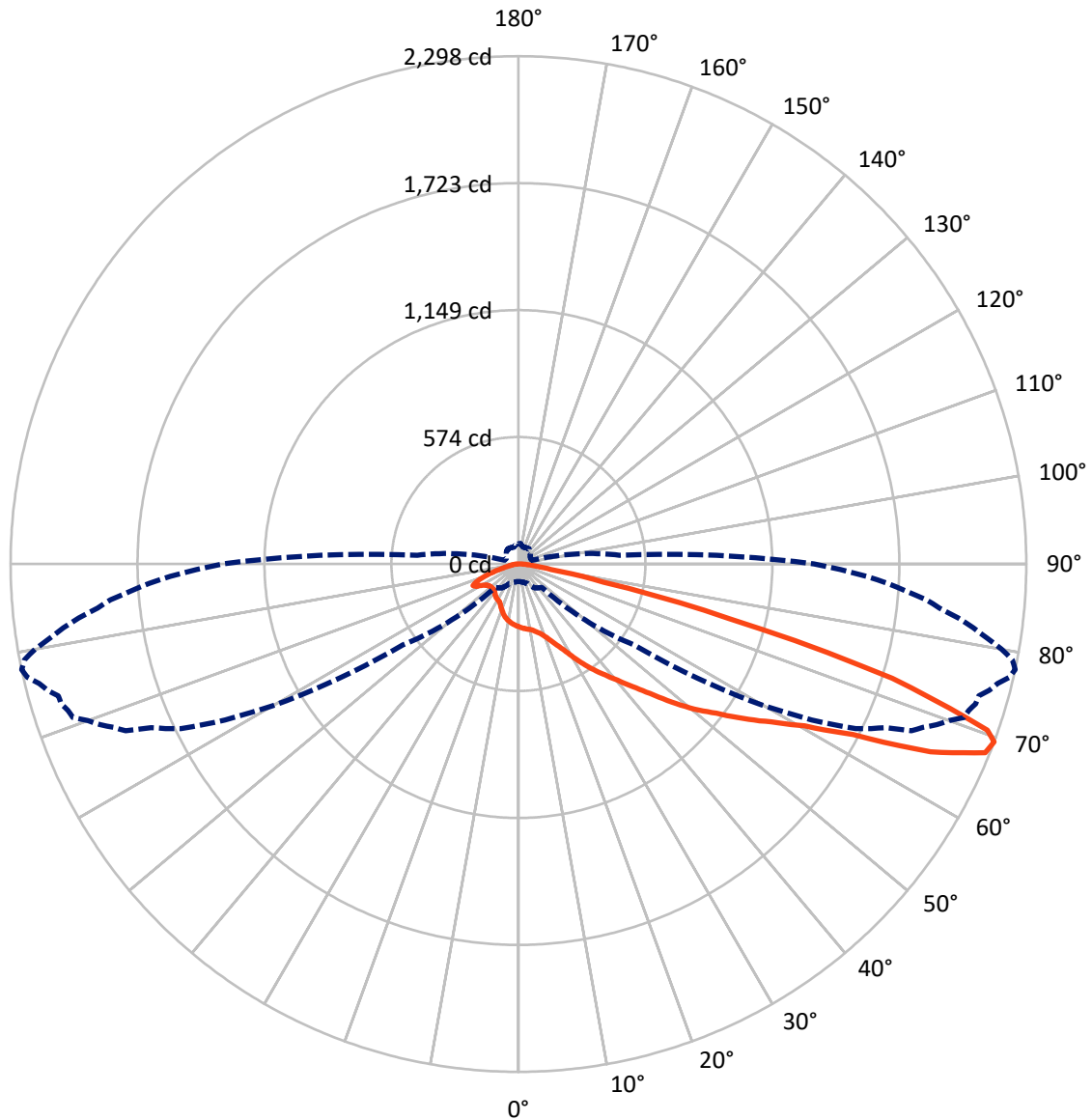
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.6 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	372.7	0.7	373.4
	% Fixture	18.3	0.0	18.3
Street Side	Lumens	1664.5	0.3	1664.9
	% Fixture	81.7	0.0	81.7
Total	Lumens	2037.2	1.0	2038.2
	% Fixture	99.9	0.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.3	1.3
10°-20°	79.5	3.9
20°-30°	142.5	7.0
30°-40°	232.6	11.4
40°-50°	344.0	16.9
50°-60°	449.2	22.0
60°-70°	502.4	24.6
70°-80°	225.5	11.1
80°-90°	35.2	1.7
90°-100°	1.0	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°	2037.2	99.9
0°-180°	2038.2	100.0



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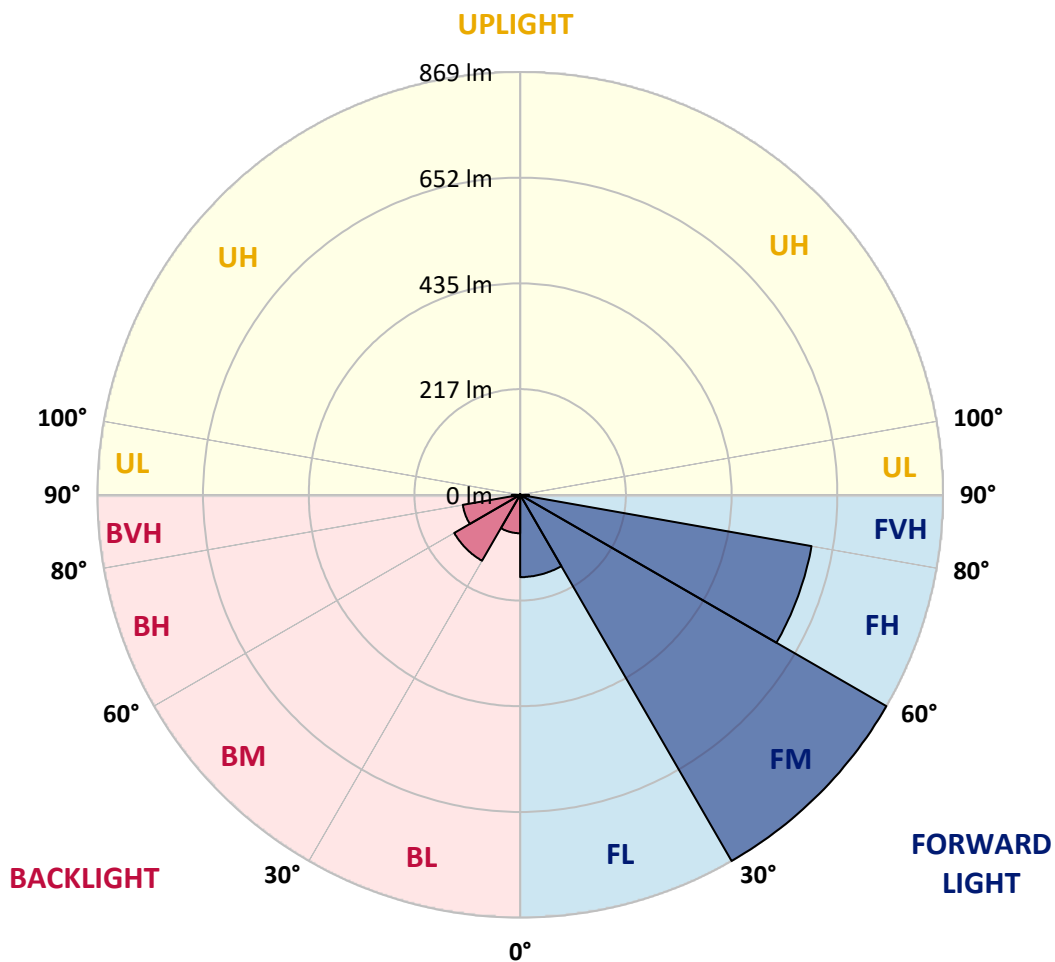
CATALOG NUMBER: ISW-AF-350-LED-E1-T2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	169.2	8.3			
FM	(30°-60°)	869.2	42.6			
FH	(60°-80°)	608.1	29.8			G0/660
FVH	(80°-90°)	18.0	0.9			G1/100
BL	(0°-30°)	79.1	3.9	B0/110		
BM	(30°-60°)	156.6	7.7	B0/220		
BH	(60°-80°)	119.8	5.9	B1/500		G1/500
BVH	(80°-90°)	17.2	0.8			G1/100
UL	(90°-100°)	1.0	0.1		U1/10	
UH	(100°-180°)	0.7	0.0		U1/10	

BUG Rating: B1-U1-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5
2.5°	303.6	303.6	302.7	302.1	301.2	298.8	295.3	294.7	294.4	293.8	293.2
5°	325.8	323.4	324.0	322.5	319.3	315.1	308.6	305.4	303.6	303.3	302.1
7.5°	343.8	344.1	343.2	340.3	335.8	330.8	321.9	316.9	315.4	314.5	312.5
10°	356.8	356.0	355.4	354.8	351.2	347.1	335.8	329.6	328.4	326.1	323.7
12.5°	366.3	366.3	366.3	365.7	363.6	360.4	351.5	345.3	343.8	340.6	338.5
15°	376.7	375.5	374.3	373.4	373.7	373.7	367.2	362.5	360.1	358.3	354.2
17.5°	398.9	396.2	393.5	390.0	384.4	382.9	382.6	382.3	379.0	378.7	374.6
20°	417.8	415.4	413.1	409.5	401.5	392.9	397.4	401.5	400.9	401.2	399.1
22.5°	441.2	439.4	434.7	430.5	420.2	409.8	410.4	419.3	420.5	421.6	422.2
25°	473.1	472.2	464.5	456.6	444.7	435.0	425.8	436.7	439.1	441.8	447.1
27.5°	505.4	503.3	495.0	487.9	473.1	462.8	450.0	456.0	459.5	464.5	472.8
30°	547.1	541.5	538.5	522.5	508.9	493.8	482.9	484.7	484.1	490.0	502.7
32.5°	607.5	598.6	583.8	567.8	551.8	531.7	522.5	522.2	520.8	527.6	534.7
35°	640.0	637.9	628.8	612.8	595.3	576.4	570.5	564.8	565.7	569.3	571.9
37.5°	675.2	673.4	666.3	657.5	644.1	654.5	621.7	613.4	609.5	607.7	608.6
40°	690.6	692.1	695.9	697.4	689.7	739.4	674.6	647.4	646.2	643.6	640.9
42.5°	693.9	697.7	705.4	722.3	729.7	837.9	718.4	685.6	680.8	678.8	679.1
45°	705.7	711.6	713.1	728.5	763.4	843.0	767.8	719.3	715.7	715.5	713.7
47.5°	734.4	742.4	742.4	749.2	782.3	852.7	784.7	753.0	750.7	749.5	754.2
50°	738.5	749.2	770.5	792.4	816.3	860.7	803.9	789.7	790.6	793.3	807.2
52.5°	668.4	679.1	735.3	799.8	877.9	882.6	832.9	838.5	844.5	857.5	882.9
55°	573.1	580.8	647.4	750.7	880.3	965.8	905.7	921.4	933.8	937.7	977.6
57.5°	451.2	461.9	529.6	663.7	822.0	989.4	1073.2	1080.3	1066.4	1079.1	1093.6
60°	244.4	243.2	337.6	479.9	699.5	945.7	1234.7	1356.6	1359.6	1379.1	1355.7
62.5°	136.7	136.7	163.9	246.5	450.0	800.1	1312.3	1595.7	1632.7	1663.8	1732.1
65°	103.3	104.2	113.9	148.5	252.7	505.1	1255.4	1677.4	1748.4	1819.7	1939.5
67.5°	85.8	85.8	92.9	110.7	158.0	229.3	924.3	1513.5	1602.2	1687.4	1853.1
69°	79.6	79.9	85.2	97.3	132.3	149.1	638.5	1283.3	1384.7	1502.8	1698.1
70°	76.6	75.7	80.8	90.8	119.8	117.8	467.8	1115.8	1194.5	1300.4	1525.0
72.5°	68.1	67.2	69.8	77.5	94.4	84.0	190.8	600.4	719.0	837.7	1016.7
75°	60.7	59.8	61.8	65.4	73.4	64.2	95.9	251.5	304.5	393.5	543.0
77.5°	53.6	51.8	53.6	55.9	57.7	47.9	65.1	116.3	142.6	175.2	247.4
80°	48.5	46.7	48.8	47.6	45.3	37.0	43.2	67.8	75.2	89.9	117.8
82.5°	34.6	34.3	46.5	47.9	36.1	26.9	30.8	43.5	48.5	51.2	62.1
85°	21.3	20.4	26.9	34.3	36.7	16.9	19.8	25.7	26.9	29.3	34.6
87.5°	10.9	11.2	14.5	17.8	24.0	10.1	11.8	15.1	15.1	15.1	17.2
90°	2.7	3.3	4.4	6.2	5.0	2.7	4.4	3.6	4.1	3.6	4.1
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°	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5
2.5°	293.5	292.6	291.4	291.7	291.2	290.3	290.6	290.3	290.6	290.0	289.4
5°	302.1	301.5	299.7	299.4	298.8	298.3	297.4	296.5	296.2	295.6	294.4
7.5°	311.9	310.1	309.2	308.0	306.5	304.2	303.9	302.7	301.8	301.2	299.7
10°	321.9	319.9	318.7	317.2	315.7	314.2	312.8	310.7	308.6	308.0	306.2
12.5°	337.0	334.4	332.0	329.6	328.1	325.5	323.4	320.7	318.7	317.8	314.8
15°	353.6	350.0	347.7	345.9	343.5	341.2	338.5	336.1	332.9	330.2	327.5
17.5°	373.1	369.9	368.1	364.8	361.9	359.2	357.1	354.2	351.5	346.8	344.4
20°	398.9	396.2	394.1	390.6	387.3	384.7	382.9	376.7	373.1	369.0	365.1
22.5°	422.8	423.1	421.0	418.7	416.6	413.1	410.1	405.7	401.2	396.2	390.9
25°	448.9	451.2	451.5	450.9	449.7	445.6	444.1	439.7	436.1	427.9	425.5
27.5°	477.9	480.5	483.8	487.9	488.8	484.4	486.4	482.0	475.8	472.2	464.5
30°	506.0	513.4	520.2	524.9	527.9	529.9	528.5	527.0	522.8	516.9	510.1
32.5°	542.1	549.8	556.6	566.9	572.2	578.8	577.6	578.2	576.7	570.8	562.8
35°	578.5	585.3	594.1	600.9	614.0	621.1	627.0	626.7	626.7	623.1	615.4
37.5°	610.7	614.6	622.0	633.2	641.8	653.0	662.5	666.3	672.5	672.8	664.6
40°	644.4	648.3	653.9	662.2	671.7	685.0	697.7	710.1	716.0	722.3	719.0
42.5°	680.8	685.0	689.1	694.4	708.1	718.4	735.6	752.4	764.6	777.3	775.8
45°	716.9	721.7	727.6	735.6	747.7	764.6	781.1	800.1	827.9	843.0	853.3
47.5°	757.8	765.5	776.4	789.1	798.9	816.3	837.4	866.6	894.8	920.8	937.1
50°	819.3	822.3	840.0	852.4	871.1	888.8	909.8	935.6	972.0	998.6	1024.7
52.5°	891.8	903.0	920.8	935.0	949.8	967.5	989.1	1012.2	1048.3	1078.2	1111.9
55°	985.3	1001.3	1016.7	1024.4	1045.1	1061.0	1078.5	1101.3	1140.0	1172.6	1212.2
57.5°	1096.8	1112.8	1120.2	1131.5	1140.3	1158.1	1181.8	1197.2	1231.5	1265.2	1307.2
60°	1325.9	1315.8	1324.7	1307.2	1304.6	1306.0	1311.1	1322.9	1342.1	1373.5	1417.9
62.5°	1739.2	1724.7	1686.3	1672.3	1645.4	1609.0	1574.7	1570.0	1559.9	1583.6	1611.4
65°	1980.7	2033.3	2038.9	2053.7	2043.1	2014.7	1974.4	1961.4	1928.9	1906.1	1904.6
67.5°	1922.7	2001.7	2051.1	2113.5	2148.1	2181.9	2190.7	2202.3	2181.3	2170.9	2173.9
69°	1761.4	1820.0	1930.7	1973.3	2028.0	2073.0	2132.2	2142.5	2162.9	2165.9	2205.2
70°	1601.6	1687.7	1751.1	1815.0	1890.7	1940.1	1966.8	2010.5	2061.1	2086.0	2128.6
72.5°	1151.6	1179.7	1224.7	1307.5	1328.5	1379.7	1432.1	1469.4	1528.8	1570.9	1671.2
75°	621.4	638.2	708.9	756.0	768.4	785.3	823.7	832.9	855.1	868.7	965.2
77.5°	283.8	309.5	318.7	344.4	329.9	337.0	346.2	344.1	350.3	379.9	413.6
80°	130.8	135.8	139.4	150.0	150.6	148.2	149.1	147.6	146.5	151.2	154.7
82.5°	63.6	71.3	71.3	77.8	81.1	80.2	82.0	81.4	82.6	81.4	85.2
85°	37.3	37.3	40.2	43.8	43.2	44.4	44.4	46.7	47.0	47.6	47.6
87.5°	17.5	19.2	20.1	21.6	22.2	23.1	23.7	23.7	24.0	23.4	24.0
90°	4.4	4.4	7.4	7.4	8.0	8.9	7.7	8.3	10.4	7.7	9.8
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



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CATALOG NUMBER: ISW-AF-350-LED-E1-T2-8030

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: P226269

CATALOG NUMBER: ISW-AF-350-LED-E1-T2-8030

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5
2.5°	288.8	289.4	289.1	287.9	287.6	287.6	287.0	286.7	286.1	285.8	286.4
5°	294.1	294.1	293.2	292.0	290.9	290.6	290.3	288.8	288.2	287.6	287.0
7.5°	299.1	298.5	297.4	295.3	294.1	293.8	292.6	291.2	289.7	288.5	287.9
10°	304.5	303.9	301.5	300.0	297.7	297.4	295.3	293.5	292.0	290.6	289.4
12.5°	312.2	311.6	308.9	305.4	303.6	302.4	299.7	297.7	295.6	293.8	291.7
15°	324.0	321.6	319.9	316.3	313.6	311.3	308.0	305.1	302.1	299.1	297.4
17.5°	340.6	337.3	332.6	330.5	327.0	323.1	318.7	316.6	312.8	309.2	305.6
20°	362.2	358.9	351.5	348.8	343.8	338.2	334.6	330.2	327.0	321.3	317.5
22.5°	386.1	383.2	376.1	369.0	364.2	359.8	354.2	348.6	342.3	337.0	332.9
25°	417.2	412.8	406.5	399.4	392.3	386.1	378.4	370.4	365.1	357.7	351.8
27.5°	459.5	451.8	441.5	433.8	428.1	418.7	409.2	402.1	393.8	384.1	377.6
30°	505.4	496.8	489.1	480.2	470.8	461.6	448.6	438.2	429.3	419.0	408.3
32.5°	556.3	548.9	537.9	526.4	516.0	504.5	495.0	484.1	468.7	457.7	446.5
35°	607.5	598.9	587.6	577.9	566.0	554.2	543.5	529.0	515.1	499.5	483.8
37.5°	656.9	649.5	637.0	622.2	611.9	599.2	588.2	572.8	556.3	538.8	527.0
40°	711.9	700.1	691.5	674.3	663.7	649.5	633.8	622.0	606.0	587.0	570.2
42.5°	774.9	766.6	757.5	743.6	732.3	715.5	695.6	680.5	665.7	643.3	619.9
45°	854.8	849.5	834.4	823.2	808.1	790.3	773.1	754.8	731.4	705.4	684.1
47.5°	950.7	946.5	932.9	916.9	897.1	873.2	857.2	832.0	812.2	779.7	754.2
50°	1037.7	1039.7	1032.3	1007.8	990.0	966.1	940.9	919.0	888.5	854.8	822.3
52.5°	1141.5	1139.5	1120.8	1107.2	1086.2	1057.2	1029.7	1001.6	968.1	933.2	892.7
55°	1240.9	1247.2	1234.1	1214.9	1189.5	1148.9	1121.1	1084.7	1049.5	1011.0	964.3
57.5°	1337.4	1357.2	1347.2	1324.4	1298.3	1269.1	1232.4	1191.5	1155.1	1104.8	1052.2
60°	1457.5	1483.9	1488.0	1473.2	1444.8	1410.8	1362.6	1330.6	1280.6	1234.1	1193.6
62.5°	1642.5	1702.2	1698.7	1705.8	1685.7	1664.7	1608.1	1573.8	1508.7	1475.3	1418.8
65°	1951.4	1995.5	2048.4	2046.6	2032.7	1982.4	1923.8	1866.4	1823.5	1757.6	1698.7
67.5°	2210.6	2247.0	2278.3	2262.0	2230.1	2173.6	2104.9	2025.0	1959.7	1886.9	1809.6
69°	2234.8	2279.2	2297.6	2277.4	2220.0	2146.4	2079.2	2004.9	1915.0	1852.5	1758.4
70°	2169.7	2213.5	2250.5	2198.7	2146.1	2074.2	2000.8	1923.6	1843.1	1775.9	1680.9
72.5°	1723.5	1772.9	1767.9	1762.3	1720.3	1648.4	1580.9	1539.5	1483.0	1401.9	1333.3
75°	1002.2	1024.9	985.0	1027.0	976.7	904.2	913.7	866.9	825.5	778.8	742.7
77.5°	393.5	413.6	392.6	385.8	363.3	358.3	320.7	325.2	306.5	269.8	253.0
80°	149.1	151.8	148.2	140.8	139.4	130.8	128.4	120.1	116.3	104.2	99.7
82.5°	80.2	81.7	79.3	76.9	75.2	70.1	66.9	60.7	57.1	53.3	53.0
85°	46.2	45.0	43.8	42.6	39.9	37.0	34.6	32.3	29.6	27.5	25.4
87.5°	24.3	24.6	24.9	23.7	21.9	19.5	18.0	17.2	15.1	14.2	13.3
90°	8.0	5.9	6.8	8.6	8.0	6.5	6.2	5.3	4.4	4.4	3.6
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: P226269
 CATALOG NUMBER: ISW-AF-350-LED-E1-T2-8030

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: P226269
 NUMBER: ISW-AF-350-LED-E1-T2-8030

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°	110°	87°
283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	110°	0.0
285.5	285.5	284.6	284.1	282.0	278.4	274.9	271.6	267.2	265.4	263.0	112.5°	0.0
286.4	285.8	284.9	283.8	279.6	271.3	262.7	253.6	244.1	235.5	225.5	115°	0.0
287.0	285.8	284.6	283.2	277.2	264.5	247.4	229.3	212.4	199.7	194.4	117.5°	0.0
287.3	286.4	284.9	282.9	274.6	255.6	228.1	202.1	187.3	182.3	181.4	120°	0.0
290.6	289.1	286.7	284.3	273.4	245.9	206.5	181.7	175.8	178.1	182.3	122.5°	0.0
294.7	292.9	290.0	287.6	272.8	233.2	185.5	170.1	172.2	178.7	185.5	125°	0.0
302.1	299.1	295.9	293.5	274.0	217.5	168.7	164.2	170.4	178.7	187.9	127.5°	0.0
313.0	308.9	305.1	300.9	275.8	197.9	158.6	160.4	167.8	176.6	186.7	130°	0.0
326.7	321.9	316.6	310.4	277.8	181.1	153.0	156.2	163.0	170.7	179.0	132.5°	0.0
345.0	338.5	331.7	324.0	280.8	162.7	147.9	151.5	155.6	160.1	164.2	135°	0.0
368.1	359.2	351.8	341.5	283.8	150.3	143.8	145.0	145.9	146.5	146.2	137.5°	0.0
398.9	385.2	376.7	363.9	287.0	143.8	139.1	137.6	136.1	134.0	131.7	140°	0.0
431.4	420.2	406.5	390.3	289.1	139.4	134.6	129.9	125.8	123.7	123.7	142.5°	0.0
469.3	455.4	438.2	417.8	286.4	134.6	128.7	122.5	120.1	122.8	121.9	145°	0.0
507.1	487.9	469.0	445.6	279.9	129.3	122.2	118.9	120.7	117.2	115.1	147.5°	0.0
548.9	527.6	501.2	474.0	270.4	123.7	118.9	120.7	114.5	110.4	112.1	150°	0.0
595.6	570.5	542.1	505.1	264.2	120.1	113.9	115.4	110.1	107.1	106.2	152.5°	0.0
659.2	623.4	588.8	545.3	269.0	114.5	104.2	110.1	107.1	104.4	102.1	155°	0.0
721.7	683.5	642.7	591.5	277.2	110.4	96.5	104.4	106.5	102.1	97.6	157.5°	0.0
784.4	743.9	696.2	639.1	287.3	107.7	90.5	97.6	105.0	99.7	96.2	160°	0.0
850.4	799.2	750.4	688.8	300.3	105.0	85.8	91.7	102.4	99.7	94.4	162.5°	0.0
919.6	859.3	810.4	743.9	323.1	101.2	79.9	87.0	99.7	99.4	92.6	165°	0.0
1000.1	946.2	883.5	815.8	354.8	96.8	74.6	83.4	97.3	98.2	90.5	167.5°	0.0
1137.1	1081.5	1005.7	941.2	417.5	90.8	71.3	79.9	93.5	95.9	88.8	170°	0.0
1359.3	1283.6	1214.0	1153.7	524.9	82.6	68.9	76.0	89.4	92.9	87.3	172.5°	0.0
1614.1	1540.1	1456.1	1354.6	584.7	74.9	65.7	71.3	85.2	89.9	85.8	175°	0.0
1722.4	1625.6	1523.5	1403.1	527.6	68.6	62.1	66.9	80.5	85.8	83.7	177.5°	0.0
1672.6	1574.7	1456.1	1338.0	458.9	65.4	60.1	64.5	76.9	83.1	81.7	180°	0.0
1586.2	1487.7	1381.8	1240.1	409.8	63.6	58.6	63.0	75.5	81.7	80.5		
1254.6	1166.7	1069.0	961.0	279.3	57.7	53.9	58.6	69.5	76.3	76.0		
664.9	639.1	566.9	503.6	144.7	51.5	48.8	53.6	64.2	71.3	71.3		
239.4	217.2	207.7	172.5	76.9	45.0	43.8	47.3	58.3	65.1	64.8		
90.5	88.2	79.0	74.0	48.8	36.7	37.0	40.5	51.2	57.7	57.4		
51.2	46.5	45.0	43.5	31.1	29.0	30.5	34.0	43.8	49.4	50.3		
24.6	22.8	22.2	20.7	20.4	22.2	24.0	26.9	34.9	41.7	40.8		
11.8	11.2	10.9	10.7	14.5	14.2	17.5	18.6	23.4	33.1	29.9		
3.8	3.8	3.6	3.0	4.1	4.7	5.6	8.0	9.8	19.2	15.7		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'226269
 ISW-AF-350-LED-E1-T2-8030

REPORT NUMBER: P226269
 CATALOG NUMBER: ISW-AF-31

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°	283.5	283.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	261.0	256.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	218.1	217.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	191.1	187.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	182.3	182.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	186.1	187.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	191.1	192.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	194.4	197.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	193.5	197.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	183.7	185.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	166.3	166.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	145.3	144.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	130.5	126.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	123.7	121.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	118.9	115.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	123.4	123.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	127.5	126.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	120.4	115.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	107.4	101.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	98.5	95.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	94.4	93.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	93.2	96.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	92.6	95.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	88.5	94.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	85.5	92.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	83.7	91.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	82.3	92.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	79.9	93.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69°	78.7	93.5
										70°	77.5	92.6
										72.5°	73.4	85.5
										75°	68.3	75.5
										77.5°	61.8	64.8
										80°	54.7	56.5
										82.5°	47.6	54.4
										85°	37.3	46.2
										87.5°	27.5	25.4
										90°	15.7	11.5
										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: P226269

CATALOG NUMBER: ISW-AF-350-LED-E1-

50-LED-E1-T2-8030

tinued):

180°
283.5
257.7
215.7
187.6
182.9
186.4
193.5
198.8
198.2
187.0
167.5
147.1
129.6
124.0
116.9
124.6
128.1
116.3
101.2
94.4
92.6
97.1
95.6
94.4
92.6
91.1
90.8
91.4
90.2
88.8
79.9
71.9
64.8
57.1
48.2
36.1
27.5
9.8
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

(END OF F

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

