

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: P227329

Luminaire Tested: **ISW-AF-1200-LED-E1-SLR-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227329
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35948)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISW-AF-1200-LED-E1-SLR-7030
Description: IMPACT ELITE LED WEDGE LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5259.9 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U1 - G2

Input Watts (W): 66
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

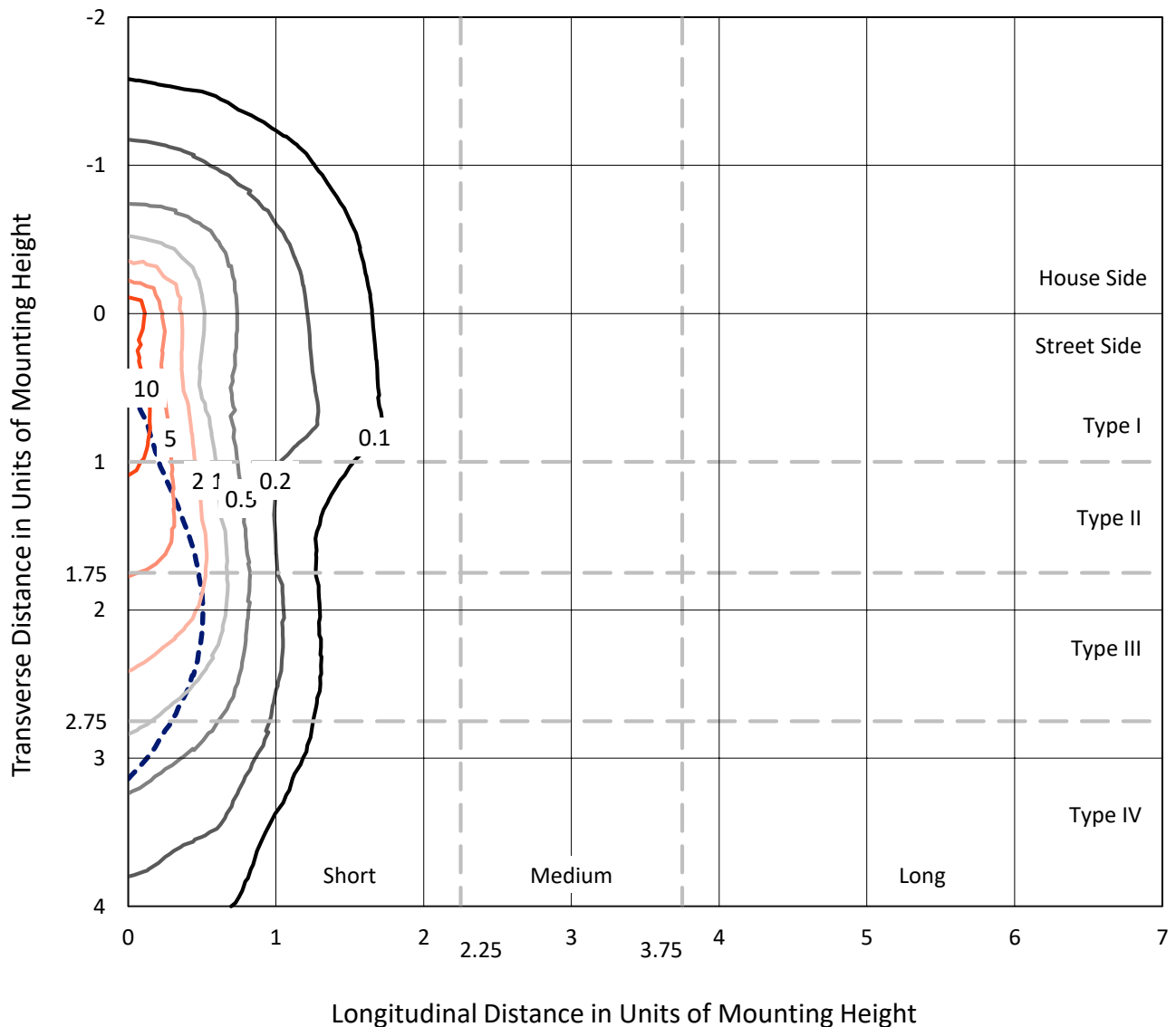


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Iso-Footcandle Lines of Horizontal Illumination

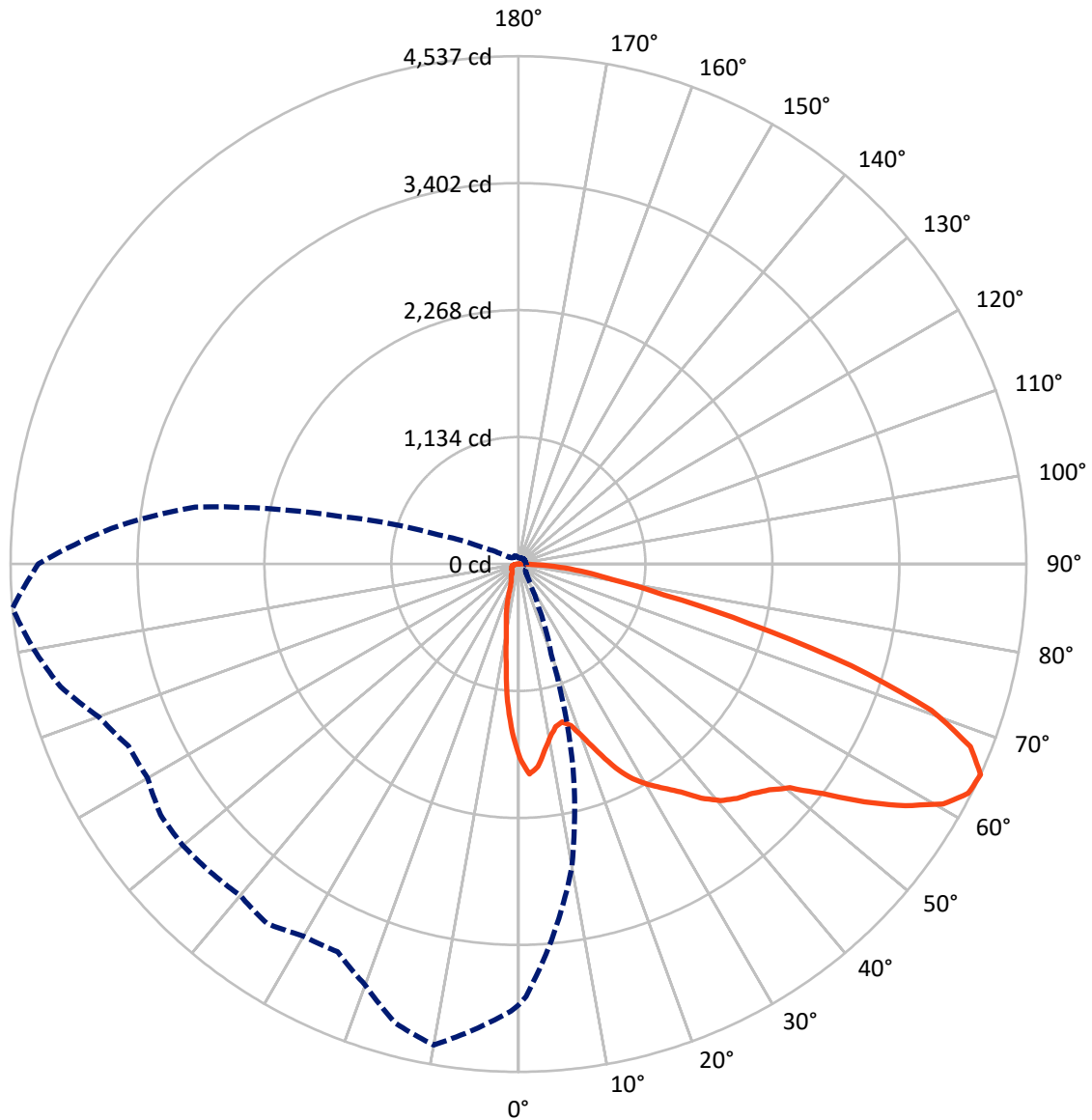
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.4 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 275-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	902.2	0.0	902.3
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	4357.4	0.2	4357.6
	% Fixture	82.8	0.0	82.8
Total	Lumens	5259.6	0.2	5259.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.7	2.4
10°-20°	247.7	4.7
20°-30°	353.2	6.7
30°-40°	512.4	9.7
40°-50°	733.0	13.9
50°-60°	1125.5	21.4
60°-70°	1302.7	24.8
70°-80°	664.6	12.6
80°-90°	191.8	3.6
90°-100°	0.2	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°	5259.6	100.0
0°-180°	5259.9	100.0



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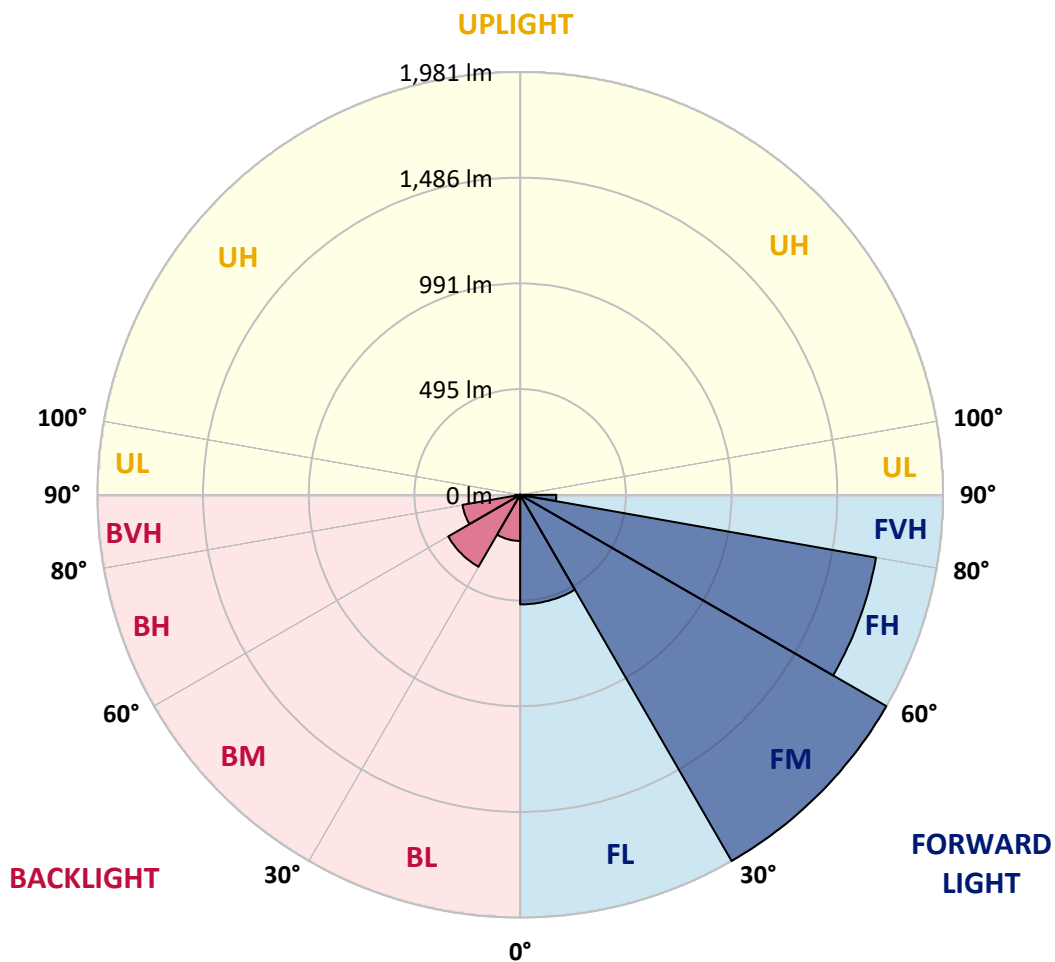
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	513.7	9.8			
FM	(30°-60°)	1981.3	37.7			
FH	(60°-80°)	1692.9	32.2			G1/1800
FVH	(80°-90°)	169.5	3.2			G2/225
BL	(0°-30°)	216.0	4.1	B1/500		
BM	(30°-60°)	389.6	7.4	B1/1000		
BH	(60°-80°)	274.4	5.2	B1/500		G1/500
BVH	(80°-90°)	22.3	0.4			G1/100
UL	(90°-100°)	0.2	0.0		U1/10	
UH	(100°-180°)	0.0	0.0		U1/10	

BUG Rating: B1-U1-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6
2.5°	1798.7	1788.1	1774.8	1751.8	1731.4	1702.2	1695.2	1658.9	1635.8	1641.2	1599.6
5°	1689.0	1682.8	1650.0	1598.7	1565.0	1498.6	1460.6	1441.1	1386.2	1379.1	1364.1
7.5°	1534.9	1516.3	1463.2	1399.5	1342.0	1293.3	1232.2	1185.3	1143.7	1118.0	1072.9
10°	1403.0	1383.6	1326.0	1248.1	1179.1	1110.9	1061.4	1000.3	941.0	894.9	858.6
12.5°	1339.3	1318.1	1250.8	1160.5	1083.5	998.5	928.6	868.4	835.6	812.6	782.5
15°	1364.1	1333.1	1252.6	1144.6	1049.0	958.7	884.3	819.7	780.7	745.3	709.9
17.5°	1464.1	1426.1	1334.0	1203.9	1071.1	954.2	848.0	774.5	712.6	659.5	611.7
20°	1635.8	1607.5	1473.9	1291.5	1118.9	956.9	817.0	720.6	645.3	578.0	514.3
22.5°	1836.8	1794.3	1663.3	1410.1	1180.0	972.8	797.6	675.4	586.0	495.7	426.7
25°	2047.5	2014.7	1841.2	1569.5	1273.8	1005.6	782.5	635.6	516.1	416.0	339.9
27.5°	2217.4	2188.2	2016.5	1722.6	1359.7	1033.9	760.4	597.5	460.3	339.9	255.8
30°	2356.4	2331.6	2151.9	1848.3	1464.1	1043.6	729.4	553.2	398.3	274.4	211.6
32.5°	2512.2	2484.8	2282.0	1935.9	1511.0	1034.8	694.0	511.6	348.8	242.5	181.5
35°	2683.0	2651.2	2427.2	2030.6	1550.0	1003.8	663.9	481.5	324.9	220.4	161.1
37.5°	2835.3	2814.9	2558.2	2124.5	1594.2	952.5	634.7	448.8	308.9	204.5	145.2
40°	2953.9	2948.6	2703.4	2202.4	1628.8	915.3	610.8	423.1	288.6	198.3	139.9
42.5°	3049.5	3047.7	2822.0	2272.3	1637.6	882.5	592.2	400.1	270.0	183.2	142.5
45°	3141.6	3140.7	2937.1	2369.7	1643.8	884.3	578.0	385.9	254.1	173.5	134.6
47.5°	3229.2	3242.5	3057.5	2505.1	1709.3	914.4	572.7	372.7	241.7	162.9	127.5
50°	3376.1	3362.9	3247.8	2688.3	1814.7	972.8	563.9	361.2	230.2	153.1	120.4
52.5°	3655.0	3639.9	3537.3	2933.5	1929.7	1033.0	552.4	345.2	216.9	142.5	112.4
55°	3995.8	4016.1	3873.6	3231.9	2086.4	1083.5	540.0	324.0	199.2	130.1	107.1
57.5°	4195.8	4179.0	4016.1	3403.6	2182.9	1109.2	532.0	299.2	171.7	119.5	101.8
59°	4242.8	4214.4	3992.2	3432.8	2208.6	1096.8	527.6	275.3	157.6	114.2	99.1
60°	4238.3	4203.8	3954.2	3414.2	2215.7	1081.7	520.5	261.1	149.6	111.5	98.3
62.5°	4147.2	4093.2	3738.2	3189.4	2116.5	1006.5	491.3	227.5	139.0	108.0	92.9
65°	3940.0	3863.9	3375.3	2750.3	1889.0	856.9	424.9	215.1	141.6	106.2	89.4
67.5°	3582.4	3521.3	2908.8	2275.8	1505.7	692.2	367.4	209.8	145.2	108.0	84.1
70°	2914.1	2861.8	2269.6	1704.0	1127.7	550.6	333.7	207.1	142.5	103.6	79.7
72.5°	2055.4	1965.1	1508.4	1193.2	715.2	442.6	289.5	195.6	139.0	100.0	72.6
75°	1250.8	1267.6	958.7	869.3	451.5	303.6	227.5	164.6	123.0	89.4	65.5
77.5°	825.0	824.1	707.3	613.4	229.3	188.5	161.1	126.6	96.5	73.5	56.7
80°	559.4	565.6	513.4	418.7	127.5	113.3	105.3	92.1	70.8	55.8	46.9
82.5°	344.3	345.2	397.5	313.4	85.0	71.7	67.3	62.0	50.5	43.4	36.3
85°	119.5	122.2	139.0	221.3	57.5	46.9	46.9	43.4	38.1	29.2	23.9
87.5°	51.3	50.5	60.2	60.2	28.3	23.9	22.1	22.1	21.2	15.9	13.3
90°	3.5	2.7	2.7	3.5	4.4	6.2	5.3	6.2	6.2	5.3	3.5
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°	1°	5°	10°	15°	20°	25°	30°	35°	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°	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6
2.5°	1587.2	1577.4	1550.0	1542.9	1551.8	1534.0	1529.6	1525.2	1492.4	1509.3	1489.8
5°	1326.9	1324.3	1268.5	1280.0	1268.5	1249.0	1241.0	1259.6	1226.9	1234.0	1238.4
7.5°	1019.7	1009.1	971.9	947.2	932.1	918.8	902.0	874.6	895.8	891.4	925.0
10°	827.7	804.6	781.6	747.1	727.6	709.0	689.6	678.9	654.2	651.5	640.0
12.5°	758.6	725.9	696.7	666.6	646.2	609.0	578.0	558.6	542.6	517.8	499.3
15°	666.6	639.1	601.0	571.8	540.0	506.3	476.2	451.5	439.9	416.9	406.3
17.5°	573.6	532.0	486.0	456.8	412.5	378.0	353.2	337.3	320.4	306.3	293.9
20°	462.1	408.1	358.5	321.3	286.8	253.2	241.7	222.2	215.1	209.8	214.2
22.5°	351.4	295.7	244.3	216.0	197.4	188.5	178.8	175.3	172.6	171.7	173.5
25°	257.6	210.7	185.9	175.3	168.2	162.9	159.3	156.7	154.9	154.0	154.9
27.5°	199.2	174.4	162.0	154.9	149.6	146.1	144.3	141.6	140.7	139.9	140.7
30°	172.6	159.3	150.5	143.4	137.2	131.0	128.4	127.5	128.4	129.2	128.4
32.5°	150.5	140.7	131.0	124.8	120.4	116.8	116.8	115.1	115.1	117.7	118.6
35°	136.3	126.6	119.5	111.5	106.2	102.7	100.0	98.3	99.1	99.1	101.8
37.5°	124.8	117.7	111.5	104.5	99.1	95.6	93.8	92.1	91.2	90.3	90.3
40°	116.8	112.4	107.1	100.0	94.7	91.2	89.4	87.6	86.7	85.9	85.9
42.5°	116.8	108.0	104.5	98.3	92.1	88.5	85.9	84.1	82.3	82.3	82.3
45°	128.4	110.6	104.5	97.4	91.2	86.7	84.1	81.4	79.7	79.7	78.8
47.5°	124.8	123.9	106.2	97.4	92.1	86.7	83.2	80.6	78.8	77.9	77.0
50°	118.6	129.2	118.6	100.0	92.1	85.9	82.3	79.7	77.0	76.1	76.1
52.5°	115.1	120.4	123.0	103.6	92.9	85.9	81.4	78.8	77.0	75.2	74.4
55°	106.2	113.3	117.7	101.8	92.9	84.1	79.7	77.0	74.4	73.5	72.6
57.5°	97.4	102.7	113.3	101.8	90.3	83.2	77.9	74.4	72.6	71.7	70.8
59°	94.7	94.7	100.9	104.5	88.5	82.3	77.0	73.5	71.7	70.8	69.0
60°	92.1	92.1	95.6	107.1	87.6	81.4	76.1	72.6	69.9	69.9	69.0
62.5°	88.5	85.9	87.6	100.0	85.0	79.7	74.4	70.8	68.2	68.2	67.3
65°	84.1	80.6	80.6	83.2	79.7	76.1	72.6	69.0	65.5	65.5	66.4
67.5°	79.7	76.1	75.2	75.2	73.5	72.6	69.0	65.5	63.7	63.7	63.7
70°	73.5	70.8	69.9	68.2	68.2	67.3	64.6	62.0	60.2	61.1	60.2
72.5°	66.4	64.6	62.8	62.8	62.0	61.1	58.4	56.7	55.8	56.7	56.7
75°	59.3	56.7	56.7	54.9	54.9	54.0	51.3	50.5	49.6	50.5	51.3
77.5°	50.5	48.7	47.8	47.8	47.8	47.8	44.3	43.4	43.4	45.1	45.1
80°	41.6	40.7	39.8	39.8	39.8	38.9	37.2	36.3	36.3	37.2	38.1
82.5°	31.9	30.1	30.1	31.0	31.9	31.9	29.2	27.4	27.4	29.2	31.0
85°	21.2	21.2	21.2	22.1	22.1	23.0	21.2	18.6	19.5	20.4	23.0
87.5°	11.5	12.4	11.5	10.6	12.4	11.5	11.5	10.6	11.5	12.4	13.3
90°	3.5	3.5	2.7	1.8	0.9	1.8	1.8	2.7	0.9	0.9	1.8
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-1200-LED-E1-SLR-7030

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



REPORT NUMBER: P227329

CATALOG NUMBER: ISW-AF-1200-LED-E1-SLR-7030

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6
2.5°	1507.5	1492.4	1484.5	1515.5	1512.8	1486.2	1486.2	1504.8	1505.7	1489.8	1508.4
5°	1243.7	1228.7	1242.8	1230.4	1237.5	1236.6	1247.2	1227.8	1235.7	1228.7	1211.8
7.5°	922.4	952.5	968.4	948.0	973.7	987.0	968.4	987.0	957.8	933.9	956.9
10°	634.7	668.3	662.1	694.9	707.3	714.4	727.6	710.8	690.5	684.3	667.4
12.5°	492.2	485.1	482.4	495.7	503.7	492.2	501.9	491.3	480.7	462.1	461.2
15°	385.1	373.6	365.6	350.5	345.2	347.9	352.3	352.3	331.1	331.9	339.9
17.5°	292.1	289.5	283.3	270.9	262.9	265.6	264.7	260.2	257.6	259.4	269.1
20°	219.5	216.9	220.4	224.0	221.3	222.2	218.6	214.2	212.4	214.2	216.0
22.5°	173.5	177.0	181.5	186.8	187.7	192.1	191.2	192.1	188.5	186.8	182.4
25°	158.5	160.2	157.6	158.5	158.5	162.9	162.0	162.0	158.5	157.6	158.5
27.5°	139.9	139.0	139.0	140.7	140.7	143.4	145.2	143.4	139.9	139.0	139.9
30°	129.2	128.4	127.5	128.4	127.5	128.4	130.1	130.1	128.4	125.7	126.6
32.5°	118.6	118.6	117.7	118.6	117.7	117.7	119.5	116.8	116.8	116.0	116.0
35°	104.5	106.2	108.0	108.9	108.9	108.9	110.6	108.0	107.1	106.2	106.2
37.5°	90.3	92.1	97.4	100.0	100.9	102.7	103.6	101.8	100.0	98.3	96.5
40°	85.9	85.9	87.6	91.2	94.7	95.6	97.4	94.7	93.8	91.2	88.5
42.5°	82.3	83.2	83.2	84.1	85.0	86.7	89.4	86.7	85.0	83.2	80.6
45°	79.7	79.7	79.7	79.7	78.8	78.8	79.7	77.9	77.0	76.1	76.1
47.5°	77.9	77.0	76.1	75.2	74.4	73.5	73.5	71.7	71.7	71.7	71.7
50°	76.1	74.4	73.5	72.6	70.8	70.8	70.8	69.0	68.2	68.2	69.0
52.5°	73.5	72.6	71.7	70.8	69.9	69.0	69.0	67.3	66.4	66.4	66.4
55°	72.6	71.7	69.9	69.0	68.2	69.0	68.2	67.3	65.5	65.5	65.5
57.5°	69.9	70.8	69.9	68.2	68.2	68.2	68.2	66.4	65.5	63.7	64.6
59°	69.0	69.9	69.0	68.2	67.3	68.2	68.2	65.5	64.6	63.7	63.7
60°	68.2	69.0	68.2	67.3	67.3	68.2	67.3	66.4	64.6	62.0	62.8
62.5°	67.3	67.3	66.4	66.4	65.5	66.4	65.5	63.7	62.0	60.2	59.3
65°	65.5	65.5	64.6	64.6	63.7	63.7	63.7	62.0	60.2	58.4	58.4
67.5°	64.6	63.7	62.8	62.8	62.0	62.0	62.0	60.2	57.5	56.7	55.8
70°	61.1	60.2	60.2	59.3	58.4	59.3	60.2	57.5	54.9	53.1	52.2
72.5°	57.5	56.7	56.7	55.8	55.8	56.7	57.5	54.9	51.3	49.6	48.7
75°	52.2	51.3	51.3	51.3	51.3	53.1	53.1	50.5	47.8	45.1	43.4
77.5°	45.1	46.0	46.0	46.0	46.0	47.8	47.8	46.0	43.4	41.6	38.9
80°	38.9	38.9	39.8	39.8	40.7	40.7	39.8	38.9	38.1	36.3	32.8
82.5°	32.8	32.8	32.8	32.8	32.8	31.9	30.1	31.9	31.9	30.1	27.4
85°	25.7	25.7	25.7	26.6	26.6	23.9	21.2	21.2	23.9	23.0	21.2
87.5°	15.0	15.0	15.9	18.6	16.8	15.9	13.3	14.2	13.3	15.0	12.4
90°	3.5	2.7	2.7	0.9	1.8	0.0	0.0	0.0	0.0	0.0	0.0
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

	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	59°
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°
												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
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DISTRIBUTION (continued):

CANDELA DISTRIBUTION

160°	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	110°	160°
1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	110°	0.0
1510.1	1513.7	1521.7	1519.0	1548.2	1539.4	1559.7	1587.2	1612.8	1600.4	1604.0	112.5°	0.0
1241.9	1246.4	1212.7	1233.1	1263.2	1250.8	1246.4	1287.1	1277.3	1323.4	1285.3	115°	0.0
919.7	909.1	893.2	885.2	863.1	863.1	904.7	923.3	920.6	952.5	985.2	117.5°	0.0
646.2	633.8	614.3	609.0	631.1	641.8	660.4	678.9	703.7	740.0	761.3	120°	0.0
474.5	470.0	474.5	487.7	508.1	523.2	551.5	584.2	611.7	640.9	669.2	122.5°	0.0
358.5	367.4	378.9	387.7	403.7	432.0	447.0	483.3	508.1	533.8	566.5	125°	0.0
278.8	284.1	286.8	290.3	303.6	324.0	324.0	361.2	393.9	427.6	455.0	127.5°	0.0
212.4	212.4	203.6	208.9	210.7	208.9	219.5	240.8	262.0	284.1	327.5	130°	0.0
177.9	172.6	170.0	169.1	170.0	173.5	179.7	187.7	191.2	200.9	217.8	132.5°	0.0
157.6	156.7	154.0	154.0	155.8	156.7	162.9	170.0	171.7	174.4	180.6	135°	0.0
139.0	140.7	143.4	142.5	143.4	145.2	149.6	155.8	159.3	160.2	164.6	137.5°	0.0
125.7	127.5	128.4	131.0	131.0	131.9	135.4	141.6	144.3	148.7	153.1	140°	0.0
116.8	117.7	118.6	117.7	118.6	118.6	123.0	129.2	132.8	135.4	138.1	142.5°	0.0
107.1	106.2	106.2	106.2	103.6	102.7	104.5	110.6	111.5	114.2	120.4	145°	0.0
95.6	92.9	91.2	91.2	91.2	92.1	96.5	102.7	103.6	106.2	111.5	147.5°	0.0
85.0	84.1	84.1	85.0	85.9	87.6	91.2	97.4	98.3	100.9	105.3	150°	0.0
79.7	79.7	79.7	80.6	81.4	82.3	86.7	92.9	94.7	97.4	102.7	152.5°	0.0
76.1	77.0	76.1	76.1	77.0	78.8	83.2	90.3	92.9	95.6	100.9	155°	0.0
73.5	73.5	73.5	74.4	74.4	76.1	81.4	88.5	90.3	93.8	101.8	157.5°	0.0
69.9	71.7	70.8	71.7	72.6	74.4	79.7	86.7	89.4	94.7	103.6	160°	0.0
68.2	68.2	68.2	69.0	70.8	71.7	76.1	84.1	87.6	94.7	108.9	162.5°	0.0
67.3	65.5	65.5	66.4	68.2	69.9	74.4	82.3	86.7	93.8	108.0	165°	0.0
66.4	63.7	62.8	63.7	65.5	66.4	71.7	79.7	85.9	91.2	104.5	167.5°	0.0
63.7	62.0	61.1	62.0	63.7	65.5	69.9	77.9	82.3	89.4	100.0	170°	0.0
62.8	60.2	60.2	61.1	62.8	63.7	68.2	76.1	80.6	90.3	102.7	172.5°	0.0
59.3	58.4	58.4	59.3	59.3	61.1	66.4	74.4	77.9	92.1	85.9	175°	0.0
56.7	56.7	56.7	56.7	57.5	58.4	64.6	72.6	74.4	79.7	73.5	177.5°	0.0
54.9	54.9	54.9	54.9	54.9	56.7	62.0	69.9	70.8	69.9	67.3	180°	0.0
51.3	51.3	51.3	51.3	52.2	53.1	58.4	65.5	65.5	63.7	63.7		
48.7	47.8	47.8	47.8	47.8	48.7	54.0	61.1	60.2	59.3	59.3		
43.4	43.4	43.4	43.4	43.4	43.4	48.7	55.8	54.9	54.0	53.1		
38.1	38.1	38.9	38.1	37.2	36.3	41.6	49.6	49.6	48.7	47.8		
32.8	31.9	32.8	31.9	30.1	30.1	34.5	41.6	42.5	41.6	39.8		
26.6	25.7	25.7	25.7	22.1	22.1	26.6	33.6	33.6	32.8	31.0		
20.4	19.5	18.6	17.7	15.0	15.0	18.6	24.8	25.7	22.1	21.2		
10.6	10.6	10.6	8.0	7.1	6.2	9.7	15.0	15.0	12.4	10.6		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

'227329
 ISW-AF-1200-LED-E1-SLR-7030

REPORT NUMBER: P227329
 CATALOG NUMBER: ISW-AF-1:

TION (continued):

CANDELA DISTRIBUTION (con

165°	170°	175°	180°	185°	190°	195°	200°	205°	210°		215°	220°
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°	1737.6	1737.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1626.1	1634.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	1313.6	1344.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	993.2	1034.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	795.8	824.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	698.4	739.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	599.3	643.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	491.3	545.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	375.3	428.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	263.8	308.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	192.1	212.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	170.8	178.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	160.2	165.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	144.3	149.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	126.6	133.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	117.7	123.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	112.4	113.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	108.0	108.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	105.3	108.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	107.1	118.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	120.4	116.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	123.0	109.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	112.4	105.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	100.9	92.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	90.3	85.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	84.1	82.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	77.0	78.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	71.7	75.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	69.0	71.7
										70°	64.6	66.4
										72.5°	60.2	61.1
										75°	54.0	54.9
										77.5°	47.8	47.8
										80°	38.9	38.9
										82.5°	30.1	29.2
										85°	19.5	18.6
										87.5°	8.9	7.1
										90°	0.0	0.0
										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: P227329

CATALOG NUMBER: ISW-AF-1200-LED-E:

200-LED-E1-SLR-7030

tinued):

CANDELA DISTRIBUTION (continued):

225°	230°	235°	240°	245°	250°	255°	260°	265°		215°	220°	225°
1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	110°	0.0	0.0	0.0
1673.9	1698.7	1718.2	1714.6	1756.2	1781.0	1784.6	1810.2	1835.0	112.5°	0.0	0.0	0.0
1369.4	1403.9	1437.6	1462.3	1527.9	1581.8	1623.5	1667.7	1719.9	115°	0.0	0.0	0.0
1091.4	1120.7	1175.5	1215.4	1284.4	1347.3	1408.4	1478.3	1537.6	117.5°	0.0	0.0	0.0
855.1	892.3	943.6	1018.0	1079.9	1151.6	1228.7	1295.0	1394.2	120°	0.0	0.0	0.0
768.4	791.4	833.9	869.3	946.3	1022.4	1109.2	1200.3	1291.5	122.5°	0.0	0.0	0.0
678.9	719.7	759.5	810.8	878.1	961.3	1055.2	1153.4	1256.1	125°	0.0	0.0	0.0
592.2	646.2	689.6	745.3	820.6	925.9	1048.1	1170.2	1290.6	127.5°	0.0	0.0	0.0
486.0	536.4	612.6	669.2	767.5	899.4	1056.0	1225.1	1388.0	130°	0.0	0.0	0.0
382.4	436.4	523.2	607.2	715.2	885.2	1087.9	1315.4	1533.2	132.5°	0.0	0.0	0.0
273.5	347.0	432.9	539.1	670.1	876.3	1131.3	1426.9	1719.9	135°	0.0	0.0	0.0
204.5	255.8	360.3	476.2	619.6	860.4	1177.3	1530.5	1847.4	137.5°	0.0	0.0	0.0
182.4	218.6	286.8	409.0	557.7	829.4	1211.8	1628.8	1963.4	140°	0.0	0.0	0.0
159.3	187.7	241.7	345.2	501.9	781.6	1226.9	1681.0	2043.9	142.5°	0.0	0.0	0.0
139.9	166.4	221.3	320.4	473.6	727.6	1224.2	1733.2	2144.8	145°	0.0	0.0	0.0
127.5	150.5	212.4	314.2	451.5	678.1	1226.9	1817.3	2294.4	147.5°	0.0	0.0	0.0
117.7	144.3	205.4	301.0	440.8	650.6	1237.5	1891.7	2422.8	150°	0.0	0.0	0.0
117.7	142.5	187.7	282.4	435.5	653.3	1241.9	1949.2	2518.4	152.5°	0.0	0.0	0.0
123.9	133.7	174.4	271.8	439.1	672.8	1236.6	2007.6	2611.3	155°	0.0	0.0	0.0
117.7	124.8	165.5	270.0	439.1	686.9	1252.6	2080.2	2733.5	157.5°	0.0	0.0	0.0
111.5	116.0	162.9	267.3	430.2	700.2	1318.1	2215.7	2892.8	160°	0.0	0.0	0.0
103.6	108.9	159.3	262.9	420.5	717.0	1434.0	2443.1	3156.6	162.5°	0.0	0.0	0.0
93.8	104.5	154.0	255.8	414.3	747.1	1552.6	2673.3	3470.9	165°	0.0	0.0	0.0
90.3	100.0	141.6	239.0	408.1	779.9	1679.2	2893.7	3753.2	167.5°	0.0	0.0	0.0
87.6	96.5	131.0	226.6	402.8	795.8	1717.3	2977.8	3862.1	170°	0.0	0.0	0.0
85.9	94.7	124.8	216.0	396.6	796.7	1744.7	3009.7	3878.1	172.5°	0.0	0.0	0.0
83.2	91.2	112.4	193.9	377.1	795.8	1747.4	3030.0	3832.0	175°	0.0	0.0	0.0
78.8	87.6	113.3	182.4	341.7	758.6	1637.6	2931.8	3648.8	177.5°	0.0	0.0	0.0
75.2	85.0	119.5	185.0	304.5	663.0	1432.3	2626.4	3256.6	180°	0.0	0.0	0.0
69.9	83.2	124.8	191.2	293.9	550.6	1083.5	2144.8	2727.3				
64.6	82.3	129.2	195.6	282.4	453.2	750.6	1520.8	2041.3				
58.4	75.2	117.7	166.4	233.7	329.3	483.3	995.0	1407.5				
50.5	60.2	85.9	116.8	171.7	230.2	285.9	601.0	920.6				
41.6	45.1	61.1	75.2	114.2	136.3	158.5	339.0	643.5				
31.0	31.9	41.6	47.8	64.6	75.2	94.7	208.0	521.4				
17.7	20.4	28.3	31.9	38.9	47.8	62.0	132.8	409.0				
7.1	8.9	16.8	18.6	21.2	26.6	34.5	77.0	127.5				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				



REPORT NUMBER: P227329

CATALOG NUMBER: ISW-AF-1200-LED-E1-SLR-703C

1-SLR-7030

CANDELA DISTRIBUTION (continued):

230°	235°	240°	245°	250°	255°	260°	265°		270°	275°	280°	285°
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°	1737.6	1737.6	1737.6	1737.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1859.8	1878.4	1894.3	1906.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	1775.7	1819.1	1871.3	1915.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	1626.1	1681.0	1766.0	1818.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	1484.5	1565.0	1658.0	1733.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	1388.0	1488.0	1576.5	1660.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	1361.4	1463.2	1542.9	1619.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	1414.5	1516.3	1584.5	1631.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	1539.4	1648.2	1691.6	1688.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	1710.2	1824.4	1824.4	1789.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	1935.9	2018.3	1973.1	1905.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	2096.2	2173.2	2094.4	1983.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	2228.9	2285.6	2185.6	2051.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	2345.8	2387.4	2255.5	2123.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	2485.6	2500.7	2328.1	2187.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	2640.5	2652.9	2432.5	2257.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	2822.9	2778.6	2509.5	2321.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	2935.3	2862.7	2565.3	2355.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	3023.8	2924.7	2591.0	2375.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	3132.7	3015.9	2636.1	2410.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	3276.1	3142.5	2750.3	2510.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	3570.0	3404.5	2955.7	2684.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	3908.2	3751.5	3284.1	2972.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	4179.0	4073.7	3577.1	3232.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	4279.0	4233.9	3784.2	3453.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	4316.2	4355.2	3894.0	3587.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	4341.9	4511.0	4250.7	3989.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	4288.8	4536.6	4395.0	4234.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	4057.8	4354.3	4326.9	4186.1
								70°	3585.1	3915.2	4010.8	3810.8
								72.5°	2697.2	3107.0	3628.4	3315.1
								75°	1757.1	2136.0	3098.2	2839.7
								77.5°	1100.3	1333.1	2210.3	1989.0
								80°	732.1	856.9	1403.0	1277.3
								82.5°	550.6	607.2	964.9	907.3
								85°	290.3	370.0	750.6	951.6
								87.5°	108.9	121.3	564.8	850.7
								90°	0.0	0.0	0.9	0.0
								92.5°	0.0	0.0	0.0	0.0
								95°	0.0	0.0	0.0	0.0
								97.5°	0.0	0.0	0.0	0.0
								100°	0.0	0.0	0.0	0.0
								102.5°	0.0	0.0	0.0	0.0
								105°	0.0	0.0	0.0	0.0
								107.5°	0.0	0.0	0.0	0.0



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CATALOG NUMBER: ISW-AF-1200-LED-E1-SLR-7030

CANDELA DISTRIBUTION (continued):

290°	295°	300°	305°	310°	315°	320°		270°	275°	280°	285°	290°
1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6	110°	0.0	0.0	0.0	0.0	0.0
1917.3	1933.3	1943.0	1935.9	1947.4	1950.1	1937.7	112.5°	0.0	0.0	0.0	0.0	0.0
1952.7	1997.0	2028.9	2051.0	2059.9	2067.8	2064.3	115°	0.0	0.0	0.0	0.0	0.0
1887.2	1955.4	2014.7	2055.4	2069.6	2080.2	2070.5	117.5°	0.0	0.0	0.0	0.0	0.0
1814.7	1885.5	1941.2	1982.0	1981.1	1991.7	1973.1	120°	0.0	0.0	0.0	0.0	0.0
1746.5	1815.5	1865.1	1863.3	1851.0	1820.0	1814.7	122.5°	0.0	0.0	0.0	0.0	0.0
1692.5	1728.8	1741.2	1738.5	1703.1	1685.4	1682.8	125°	0.0	0.0	0.0	0.0	0.0
1665.9	1664.2	1635.8	1604.9	1571.2	1569.5	1546.4	127.5°	0.0	0.0	0.0	0.0	0.0
1670.4	1612.8	1560.6	1507.5	1471.2	1463.2	1465.9	130°	0.0	0.0	0.0	0.0	0.0
1726.1	1624.3	1526.1	1472.1	1429.6	1417.2	1422.5	132.5°	0.0	0.0	0.0	0.0	0.0
1796.1	1659.7	1537.6	1455.3	1420.7	1405.7	1408.4	135°	0.0	0.0	0.0	0.0	0.0
1843.0	1700.5	1575.7	1473.9	1426.9	1412.8	1421.6	137.5°	0.0	0.0	0.0	0.0	0.0
1903.2	1756.2	1627.0	1521.7	1451.7	1433.1	1439.3	140°	0.0	0.0	0.0	0.0	0.0
1962.5	1816.4	1699.6	1580.1	1495.1	1460.6	1470.3	142.5°	0.0	0.0	0.0	0.0	0.0
2026.2	1886.4	1768.6	1659.7	1559.7	1505.7	1518.1	145°	0.0	0.0	0.0	0.0	0.0
2100.6	1967.8	1866.9	1766.9	1664.2	1619.0	1624.3	147.5°	0.0	0.0	0.0	0.0	0.0
2172.3	2047.5	1982.8	1908.5	1848.3	1779.2	1779.2	150°	0.0	0.0	0.0	0.0	0.0
2214.8	2151.0	2133.3	2112.1	2076.7	2027.1	2016.5	152.5°	0.0	0.0	0.0	0.0	0.0
2267.0	2274.1	2314.8	2357.3	2367.9	2319.2	2304.2	155°	0.0	0.0	0.0	0.0	0.0
2365.3	2439.6	2573.3	2689.2	2712.2	2752.1	2706.1	157.5°	0.0	0.0	0.0	0.0	0.0
2503.3	2640.5	2866.3	3055.7	3109.7	3113.2	3116.8	160°	0.0	0.0	0.0	0.0	0.0
2660.9	2857.4	3155.7	3381.5	3477.9	3503.6	3485.0	162.5°	0.0	0.0	0.0	0.0	0.0
2930.9	3108.8	3435.5	3678.9	3802.8	3863.0	3847.1	165°	0.0	0.0	0.0	0.0	0.0
3198.2	3419.5	3707.2	3947.1	4079.0	4146.3	4160.4	167.5°	0.0	0.0	0.0	0.0	0.0
3380.6	3587.7	3853.3	4074.6	4204.7	4285.2	4292.3	170°	0.0	0.0	0.0	0.0	0.0
3492.1	3681.5	3940.9	4135.6	4265.8	4333.9	4358.7	172.5°	0.0	0.0	0.0	0.0	0.0
3830.3	3864.8	4041.8	4170.2	4261.3	4292.3	4310.9	175°	0.0	0.0	0.0	0.0	0.0
3988.7	3844.4	3824.1	3903.7	3911.7	3891.3	3865.7	177.5°	0.0	0.0	0.0	0.0	0.0
3768.3	3431.0	3306.2	3295.6	3262.8	3249.6	3168.1	180°	0.0	0.0	0.0	0.0	0.0
3272.6	2786.6	2566.2	2446.7	2519.3	2516.6	2433.4						
2757.4	2262.6	1976.6	1804.9	1783.7	1780.1	1707.5						
2239.6	1775.7	1525.2	1442.0	1342.0	1311.9	1324.3						
1614.6	1267.6	1214.5	1278.2	1286.2	1263.2	1247.2						
1017.1	953.4	1004.7	1120.7	1188.8	1158.7	1170.2						
848.0	750.6	754.2	876.3	922.4	929.5	905.6						
941.0	751.5	616.1	601.0	585.1	368.2	512.5						
848.0	581.6	342.6	282.4	173.5	100.0	103.6						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						



REPORT NUMBER: P227329

CATALOG NUMBER: ISW-AF-1200-LED-E1-SLR-7030

CANDELA DISTRIBUTION (continued):

295°	300°	305°	310°	315°	320°		325°	330°	335°	340°	345°	350°
0.0	0.0	0.0	0.0	0.0	0.0	0°	1737.6	1737.6	1737.6	1737.6	1737.6	1737.6
0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1935.0	1918.2	1899.6	1874.9	1879.3	1849.2
0.0	0.0	0.0	0.0	0.0	0.0	5°	2036.8	2007.6	1967.8	1917.3	1870.4	1810.2
0.0	0.0	0.0	0.0	0.0	0.0	7.5°	2026.2	1979.3	1912.9	1836.8	1774.8	1688.1
0.0	0.0	0.0	0.0	0.0	0.0	10°	1935.0	1874.0	1820.0	1741.2	1660.6	1584.5
0.0	0.0	0.0	0.0	0.0	0.0	12.5°	1807.6	1773.1	1726.1	1666.8	1588.9	1511.0
0.0	0.0	0.0	0.0	0.0	0.0	15°	1668.6	1671.3	1642.9	1627.0	1588.0	1526.1
0.0	0.0	0.0	0.0	0.0	0.0	17.5°	1554.4	1581.0	1596.0	1620.8	1625.2	1595.1
0.0	0.0	0.0	0.0	0.0	0.0	20°	1478.3	1515.5	1562.4	1630.5	1702.2	1733.2
0.0	0.0	0.0	0.0	0.0	0.0	22.5°	1435.8	1481.8	1557.1	1681.0	1812.0	1890.8
0.0	0.0	0.0	0.0	0.0	0.0	25°	1427.8	1488.9	1594.2	1745.6	1915.6	2026.2
0.0	0.0	0.0	0.0	0.0	0.0	27.5°	1441.1	1520.8	1645.6	1818.2	1985.5	2145.7
0.0	0.0	0.0	0.0	0.0	0.0	30°	1483.6	1576.5	1712.9	1898.8	2072.2	2231.6
0.0	0.0	0.0	0.0	0.0	0.0	32.5°	1524.3	1639.4	1789.9	1971.3	2145.7	2304.2
0.0	0.0	0.0	0.0	0.0	0.0	35°	1589.8	1705.8	1859.8	2027.1	2196.2	2375.9
0.0	0.0	0.0	0.0	0.0	0.0	37.5°	1689.8	1791.6	1914.7	2070.5	2246.6	2432.5
0.0	0.0	0.0	0.0	0.0	0.0	40°	1832.4	1899.6	1979.3	2102.3	2271.4	2470.6
0.0	0.0	0.0	0.0	0.0	0.0	42.5°	2045.7	2059.9	2087.3	2151.0	2293.5	2514.8
0.0	0.0	0.0	0.0	0.0	0.0	45°	2321.0	2278.5	2254.6	2245.7	2343.1	2543.2
0.0	0.0	0.0	0.0	0.0	0.0	47.5°	2640.5	2557.3	2461.7	2415.7	2438.7	2588.3
0.0	0.0	0.0	0.0	0.0	0.0	50°	3056.6	2921.2	2733.5	2600.7	2589.2	2721.1
0.0	0.0	0.0	0.0	0.0	0.0	52.5°	3438.1	3261.1	3024.7	2868.0	2804.3	2969.0
0.0	0.0	0.0	0.0	0.0	0.0	55°	3798.4	3662.1	3394.7	3200.0	3177.9	3297.4
0.0	0.0	0.0	0.0	0.0	0.0	57.5°	4114.4	3996.7	3778.0	3524.0	3532.8	3648.8
0.0	0.0	0.0	0.0	0.0	0.0	59°	4278.2	4179.9	3977.2	3718.7	3738.2	3897.5
0.0	0.0	0.0	0.0	0.0	0.0	60°	4336.6	4254.3	4061.3	3843.5	3868.3	4033.8
0.0	0.0	0.0	0.0	0.0	0.0	62.5°	4332.2	4279.0	4139.2	4036.5	4163.1	4284.4
0.0	0.0	0.0	0.0	0.0	0.0	65°	3918.8	3838.2	3822.3	4002.0	4246.3	4363.1
0.0	0.0	0.0	0.0	0.0	0.0	67.5°	3116.8	3154.8	3306.2	3615.2	4025.0	4195.0
						70°	2314.8	2382.1	2583.9	2971.6	3534.6	3828.5
						72.5°	1702.2	1769.5	1955.4	2380.3	2907.9	3168.1
						75°	1335.8	1356.1	1489.8	1823.5	2291.8	2505.1
						77.5°	1234.0	1172.9	1118.0	1296.8	1545.6	1728.8
						80°	1149.0	1033.0	903.8	957.8	1018.0	1212.7
						82.5°	892.3	815.3	714.4	783.4	811.7	817.9
						85°	522.3	464.7	588.7	833.9	825.0	722.3
						87.5°	184.1	239.0	269.1	462.1	558.6	483.3
						90°	0.0	2.7	8.0	8.9	13.3	4.4
						92.5°	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
						97.5°	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
						102.5°	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
						107.5°	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P227329

CATALOG NUMBER: ISW-AF-1200-LED-E1-SLR-7030

CANDELA DISTRIBUTION (continued):

355°	359°	360°		325°	330°	335°	340°	345°	350°	355°
1737.6	1737.6	1737.6	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1825.3	1800.5	1798.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1762.4	1706.7	1689.0	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1612.8	1548.2	1534.9	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1487.1	1415.4	1403.0	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1422.5	1354.4	1339.3	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1447.3	1372.1	1364.1	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1540.2	1460.6	1464.1	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1699.6	1648.2	1635.8	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1908.5	1852.7	1836.8	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2086.4	2058.1	2047.5	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2214.8	2228.0	2217.4	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2317.4	2361.7	2356.4	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2422.8	2508.7	2512.2	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2500.7	2652.1	2683.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2600.7	2803.4	2835.3	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2676.8	2915.0	2953.9	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2751.2	3007.0	3049.5	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2812.3	3098.2	3141.6	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2881.3	3186.7	3229.2	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3005.2	3325.7	3376.1	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3271.7	3583.3	3655.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3656.8	3939.1	3995.8	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4003.8	4180.8	4195.8	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4146.3	4247.2	4242.8	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4250.7	4263.1	4238.3	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4307.4	4189.6	4147.2	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4159.5	3995.8	3940.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3732.9	3646.1	3582.4	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3175.2	2955.7	2914.1								
2406.9	2117.4	2055.4								
1681.9	1334.9	1250.8								
1105.6	856.9	825.0								
717.0	569.2	559.4								
500.1	373.6	344.3								
307.2	124.8	119.5								
95.6	57.5	51.3								
2.7	3.5	3.5								
0.0	0.0	0.0								
0.0	0.0	0.0								
0.0	0.0	0.0								
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0.0	0.0	0.0								



359°	360°
0.0	0.0
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