

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: P228636

Luminaire Tested: **ISC-AF-800-LED-E1-SLR-8030-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228636
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29764)-DOWNLIGHT AND
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISC-AF-800-LED-E1-SLR-8030-ULG
Description: IMPACT ELITE LED CYLINDER LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR RIGHT, WITH
UPLIGHT GLOW
Light Source: (16) 3000K CCT, 80 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4755.2 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U5 - G1

Input Watts (W): 60.2
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

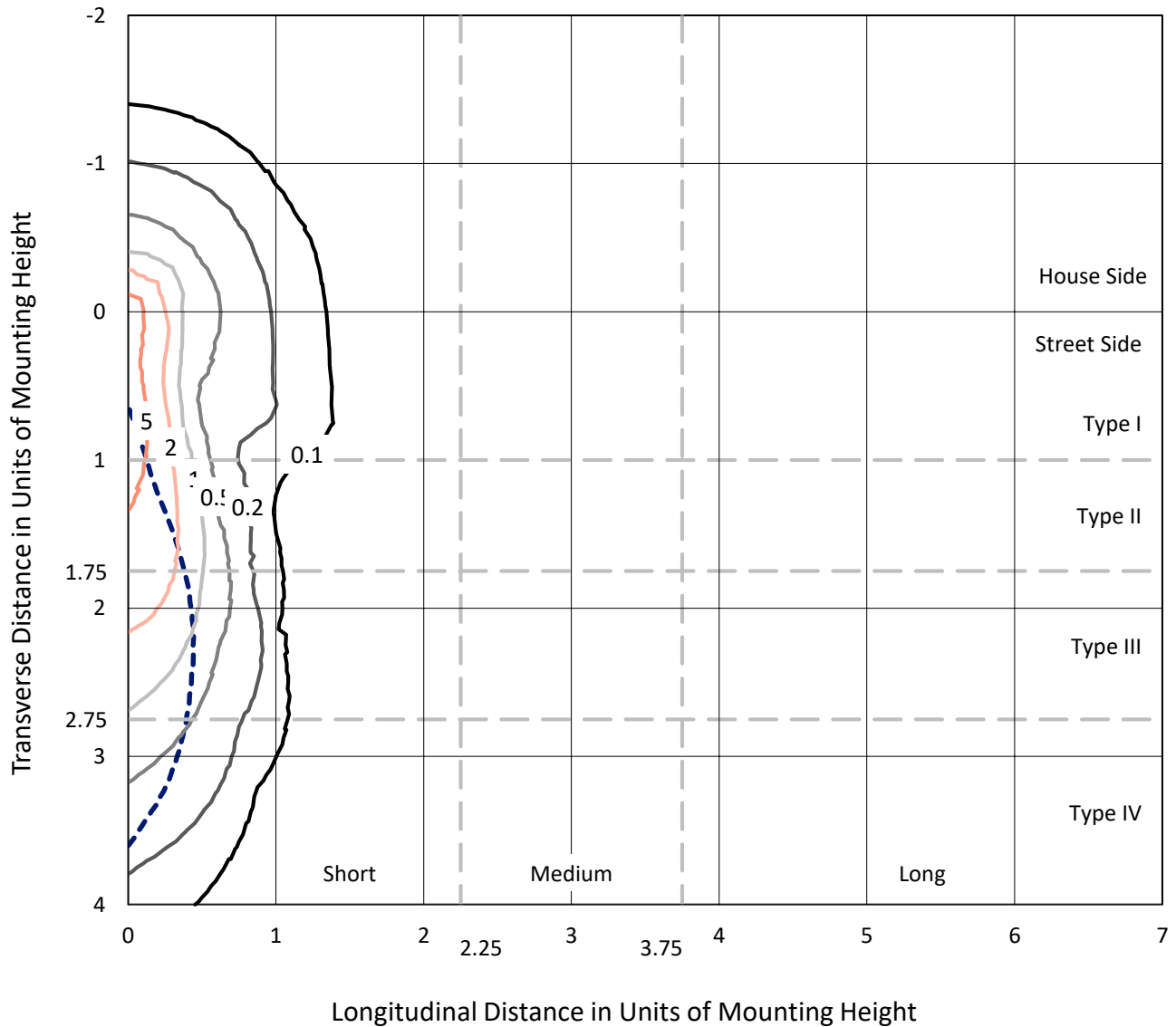


REPORT NUMBER: P228636

CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-8030-ULG

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

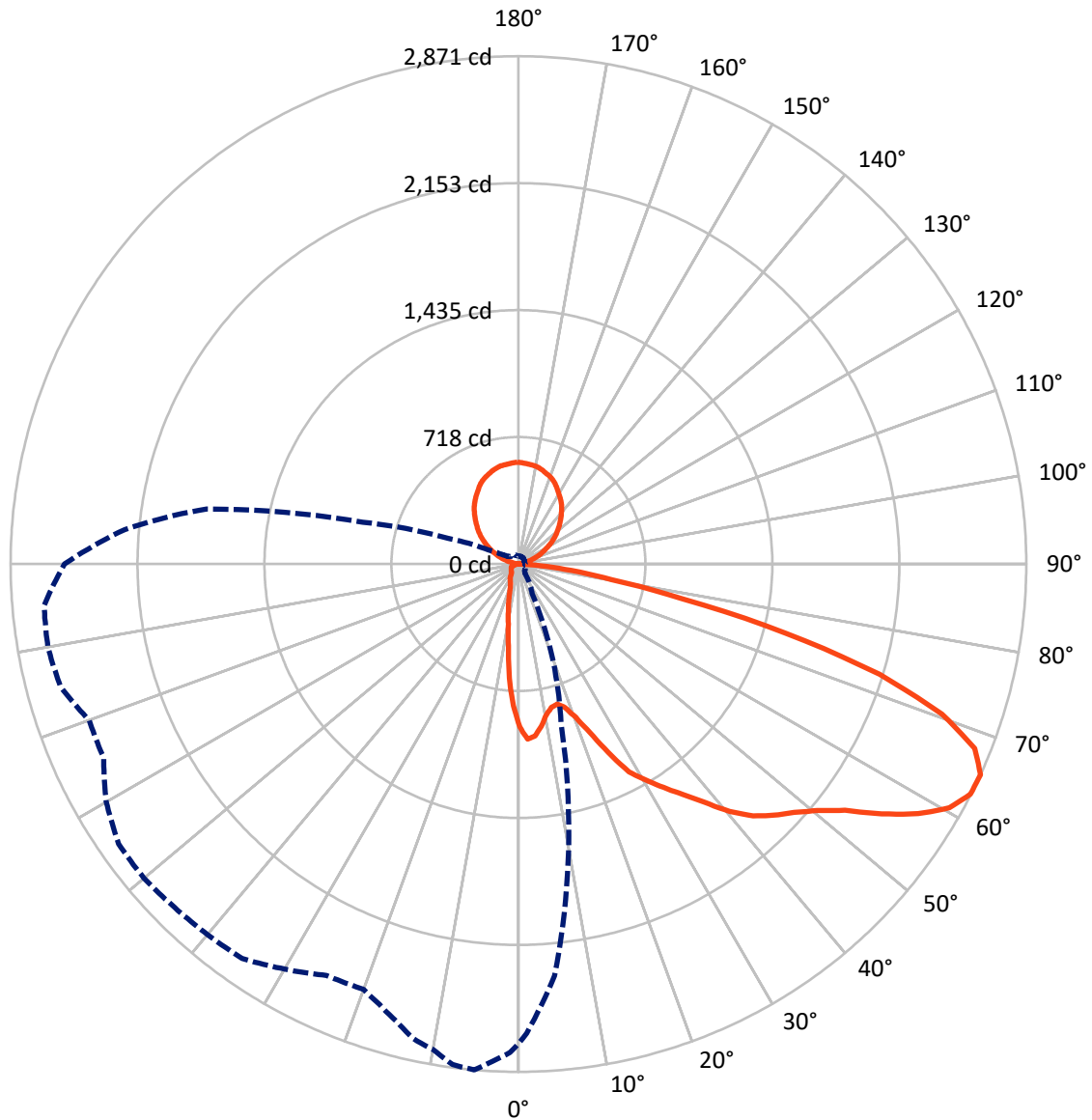


Based on 10 foot mounting height. Maximum calculated value = 9.2 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P228636

CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-8030-ULG

Luminous Intensity Polar Plot



— Vertical Plane Through 355-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P228636

CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-8030-ULG

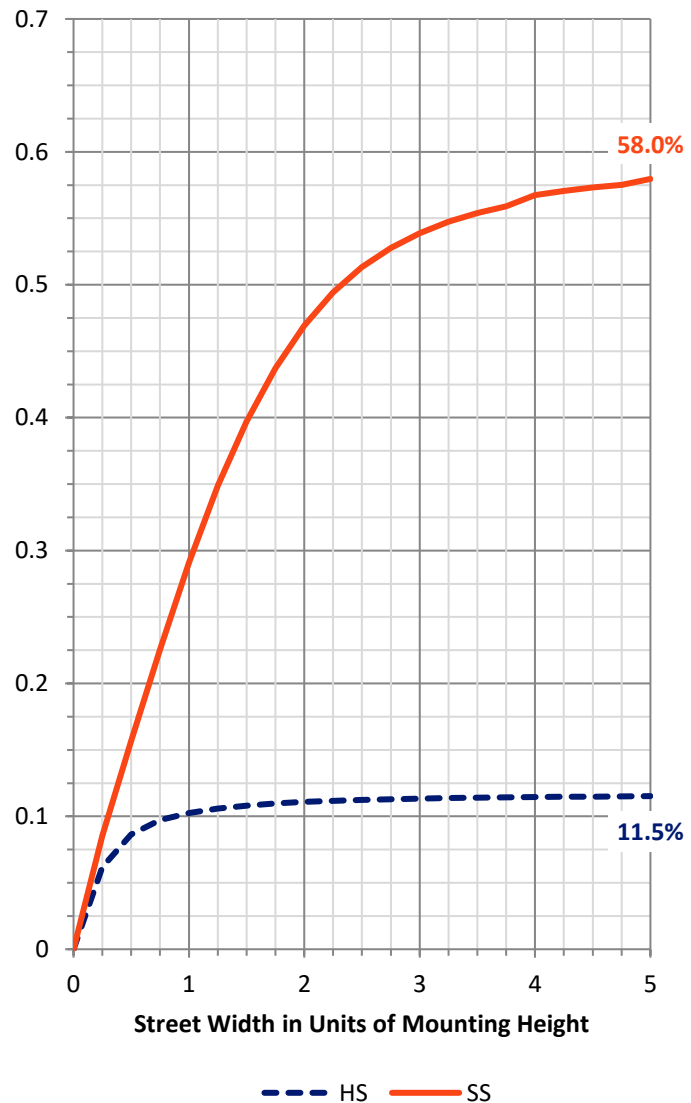
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	553.5	713.1	1266.6
	% Fixture	11.6	15.0	26.6
Street Side	Lumens	2775.5	713.1	3488.5
	% Fixture	58.4	15.0	73.4
Total	Lumens	3329.0	1426.2	4755.2
	% Fixture	70.0	30.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.7	1.5
10°-20°	145.8	3.1
20°-30°	211.9	4.5
30°-40°	313.4	6.6
40°-50°	456.6	9.6
50°-60°	684.5	14.4
60°-70°	853.0	17.9
70°-80°	499.7	10.5
80°-90°	93.4	2.0
90°-100°	4.7	0.1
100°-110°	69.0	1.5
110°-120°	153.0	3.2
120°-130°	223.9	4.7
130°-140°	265.6	5.6
140°-150°	269.3	5.7
150°-160°	231.1	4.9
160°-170°	155.1	3.3
170°-180°	54.3	1.1
0°-90°	3329.0	70.0
0°-180°	4755.2	100.0



REPORT NUMBER: P228636

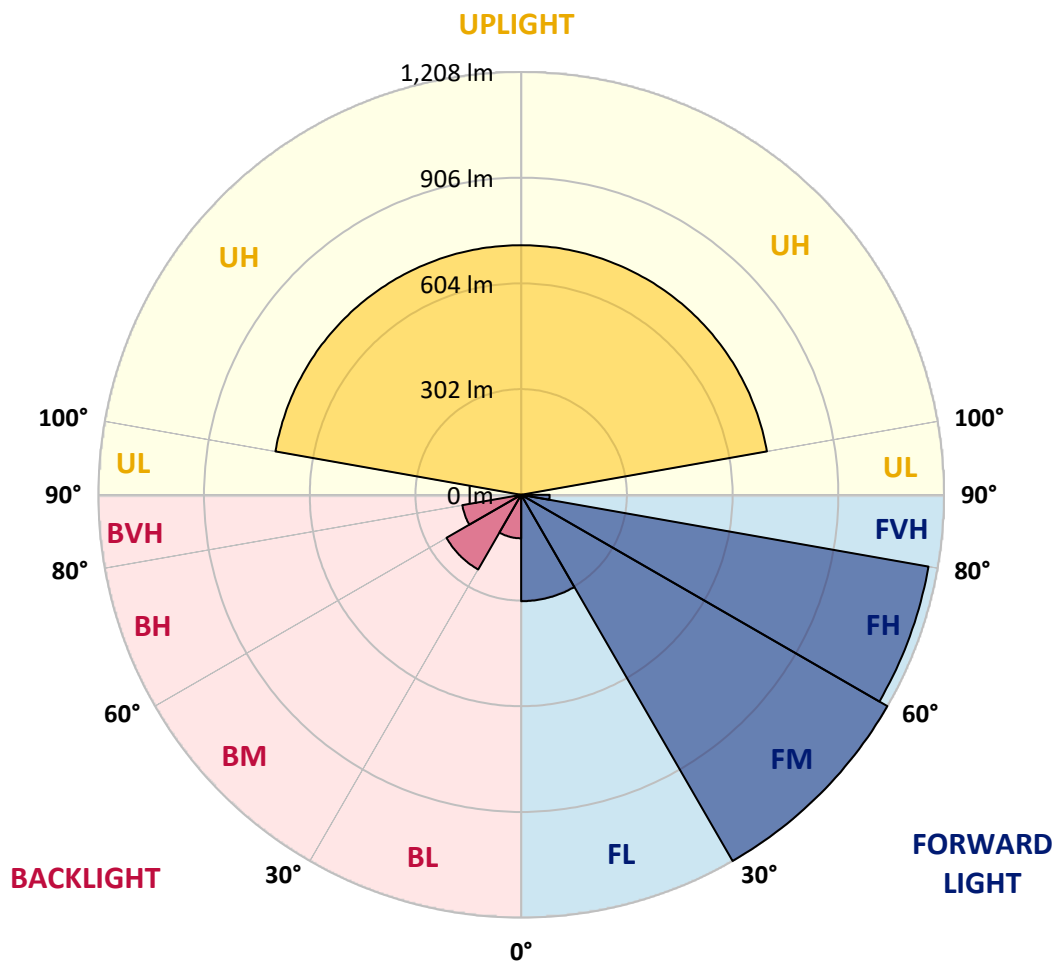
CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-8030-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	304.1	6.4			
FM	(30°-60°)	1208.2	25.4			
FH	(60°-80°)	1181.8	24.9			G1/1800
FVH	(80°-90°)	81.4	1.7			G1/100
BL	(0°-30°)	124.3	2.6	B1/500		
BM	(30°-60°)	246.4	5.2	B1/1000		
BH	(60°-80°)	170.8	3.6	B1/500		G1/500
BVH	(80°-90°)	12.0	0.3			G1/100
UL	(90°-100°)	4.7	0.1		U1/10	
UH	(100°-180°)	713.1	15.0		U4/1000	

BUG Rating: B1-U5-G1

Type IV Short





REPORT NUMBER: P228636

CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-8030-ULG

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°
0°	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3
2.5°	977.9	970.0	954.2	922.6	889.6	858.0	852.7	840.9	842.2	835.6	833.0
5°	946.3	935.8	902.8	836.9	780.2	722.3	718.3	694.6	697.2	682.7	674.8
7.5°	876.5	862.0	825.1	734.1	655.0	578.6	570.7	543.0	539.1	524.6	512.7
10°	807.9	793.4	747.3	643.2	552.2	495.6	486.3	473.2	462.6	456.0	444.2
12.5°	764.4	756.5	701.2	581.2	510.1	463.9	452.1	438.9	428.3	416.5	404.6
15°	755.2	739.4	682.7	561.5	478.4	421.8	407.3	392.8	380.9	369.0	351.9
17.5°	780.2	764.4	701.2	552.2	442.8	374.3	355.9	336.1	324.2	309.7	291.3
20°	839.6	814.5	736.7	539.1	404.6	319.0	296.5	272.8	259.6	234.6	221.4
22.5°	934.4	902.8	797.4	539.1	369.0	261.0	235.9	214.8	200.3	177.9	163.4
25°	1070.2	1042.5	896.2	553.6	337.4	212.2	187.2	166.1	151.6	135.8	126.5
27.5°	1196.7	1153.2	1001.7	574.6	312.4	177.9	152.9	135.8	125.2	117.3	112.0
30°	1291.6	1256.0	1093.9	589.1	275.5	148.9	133.1	122.6	117.3	113.3	110.7
32.5°	1378.6	1337.7	1159.8	598.4	253.1	126.5	112.0	104.1	98.8	93.6	92.3
35°	1470.9	1431.3	1237.6	597.0	238.6	116.0	101.5	92.3	87.0	85.7	83.0
37.5°	1598.7	1544.7	1327.2	597.0	233.3	112.0	94.9	85.7	81.7	79.1	77.8
40°	1722.6	1662.0	1426.1	601.0	228.0	109.4	94.9	85.7	79.1	76.4	73.8
42.5°	1838.6	1771.4	1515.7	607.6	225.4	101.5	89.6	84.4	81.7	76.4	72.5
45°	1926.9	1874.2	1585.5	620.8	225.4	96.2	84.4	80.4	79.1	79.1	77.8
47.5°	2012.6	1953.2	1665.9	645.8	229.3	92.3	80.4	75.1	75.1	75.1	76.4
50°	2123.3	2053.4	1776.6	697.2	229.3	90.9	76.4	71.2	69.9	72.5	72.5
52.5°	2273.5	2223.4	1938.7	771.0	226.7	89.6	75.1	67.2	65.9	67.2	69.9
55°	2485.7	2429.0	2135.1	862.0	224.1	87.0	72.5	65.9	63.3	61.9	63.3
57.5°	2668.9	2620.1	2315.7	934.4	217.5	80.4	69.9	64.6	60.6	59.3	58.0
60°	2749.3	2708.4	2431.7	983.2	205.6	73.8	65.9	61.9	58.0	56.7	55.4
62.5°	2762.5	2711.1	2433.0	993.8	192.4	67.2	61.9	58.0	55.4	54.0	52.7
65°	2711.1	2653.1	2336.8	929.2	181.9	67.2	59.3	55.4	51.4	50.1	48.8
67.5°	2595.1	2505.5	2092.9	788.2	172.7	68.5	58.0	51.4	48.8	47.4	46.1
70°	2315.7	2215.5	1767.4	626.0	168.7	69.9	58.0	48.8	44.8	43.5	43.5
72.5°	1855.7	1741.0	1378.6	471.8	162.1	71.2	56.7	46.1	42.2	39.5	39.5
75°	1256.0	1155.9	934.4	319.0	134.4	61.9	51.4	42.2	36.9	34.3	32.9
77.5°	699.8	666.9	594.4	168.7	85.7	46.1	39.5	34.3	30.3	29.0	27.7
80°	411.2	394.1	350.6	93.6	52.7	26.4	23.7	22.4	19.8	19.8	19.8
82.5°	251.7	234.6	217.5	42.2	25.0	13.2	13.2	10.5	10.5	9.2	9.2
85°	68.5	63.3	88.3	9.2	2.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	2.0	2.0	2.0	2.0	3.0	4.0	5.2	6.5	7.8	9.0	10.0
100°	8.0	8.0	8.0	10.0	14.0	22.0	24.0	26.0	28.0	30.0	30.5
102.5°	28.0	28.0	28.0	32.0	38.0	45.0	46.2	47.5	48.8	50.0	50.2
105°	54.0	54.0	54.0	56.0	61.0	66.0	67.0	68.0	69.0	70.0	70.2
107.5°	78.0	77.8	77.0	80.0	84.0	88.0	88.8	89.5	90.2	91.0	91.5
110°	101.0	101.2	102.0	103.0	106.0	110.0	110.5	111.0	111.5	112.0	112.5



REPORT NUMBER: P228636

CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-8030-ULG

CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°
112.5°	124.0	124.0	124.0	126.0	129.0	132.0	132.5	133.0	133.5	134.0	134.5
115°	146.0	146.2	147.0	149.0	151.0	154.0	154.5	155.0	155.5	156.0	156.5
117.5°	169.0	169.2	170.0	172.0	174.0	177.0	177.5	178.0	178.5	179.0	179.2
120°	193.0	193.4	195.0	196.0	198.0	201.0	201.2	201.5	201.8	202.0	202.5
122.5°	219.0	219.2	220.0	221.0	223.0	226.0	226.2	226.5	226.8	227.0	227.2
125°	244.0	244.4	246.0	247.0	248.0	251.0	251.2	251.5	251.8	252.0	252.2
127.5°	267.0	267.4	269.0	270.0	272.0	274.0	274.5	275.0	275.5	276.0	276.5
130°	290.0	290.4	292.0	293.0	294.0	298.0	298.2	298.5	298.8	299.0	299.5
132.5°	313.0	313.2	314.0	317.0	318.0	321.0	321.2	321.5	321.8	322.0	322.8
135°	336.0	336.2	337.0	339.0	341.0	345.0	345.0	345.0	345.0	345.0	345.8
137.5°	359.0	359.2	360.0	363.0	364.0	367.0	367.0	367.0	367.0	367.0	367.5
140°	382.0	382.2	383.0	385.0	386.0	388.0	388.2	388.5	388.8	389.0	389.2
142.5°	404.0	404.4	406.0	408.0	407.0	410.0	410.0	410.0	410.0	410.0	410.5
145°	425.0	425.2	426.0	428.0	428.0	431.0	431.2	431.5	431.8	432.0	432.5
147.5°	444.0	444.0	444.0	447.0	448.0	452.0	452.2	452.5	452.8	453.0	453.2
150°	461.0	461.2	462.0	464.0	465.0	469.0	469.2	469.5	469.8	470.0	470.2
152.5°	479.0	479.2	480.0	483.0	482.0	485.0	485.2	485.5	485.8	486.0	486.2
155°	499.0	499.2	500.0	502.0	501.0	503.0	503.0	503.0	503.0	503.0	503.2
157.5°	513.0	513.4	515.0	517.0	516.0	519.0	519.0	519.0	519.0	519.0	519.0
160°	525.0	525.4	527.0	529.0	529.0	532.0	532.0	532.0	532.0	532.0	532.0
162.5°	535.0	535.2	536.0	539.0	538.0	541.0	541.0	541.0	541.0	541.0	541.2
165°	546.0	546.2	547.0	549.0	548.0	552.0	552.0	552.0	552.0	552.0	552.2
167.5°	555.0	555.2	556.0	559.0	558.0	561.0	560.8	560.5	560.2	560.0	560.0
170°	562.0	562.2	563.0	566.0	565.0	567.0	566.8	566.5	566.2	566.0	565.8
172.5°	565.0	565.2	566.0	569.0	567.0	569.0	568.8	568.5	568.2	568.0	568.2
175°	567.0	567.4	569.0	570.0	569.0	572.0	572.0	572.0	572.0	572.0	572.2
177.5°	572.0	572.2	573.0	575.0	574.0	578.0	577.8	577.5	577.2	577.0	577.0
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0



REPORT NUMBER: P228636

CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-8030-ULG

CANDELA DISTRIBUTION (continued):

	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°
0°	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3
2.5°	822.4	819.8	819.8	800.0	800.0	789.5	786.8	786.8	790.8	788.2	772.3
5°	661.6	653.7	648.4	624.7	618.1	606.3	601.0	599.7	603.6	597.0	576.0
7.5°	498.2	491.6	483.7	465.2	457.3	456.0	440.2	436.3	433.6	428.3	415.2
10°	434.9	425.7	419.1	405.9	396.7	390.1	376.9	370.4	365.1	357.2	353.2
12.5°	391.4	382.2	373.0	355.9	344.0	336.1	328.2	315.0	309.7	300.5	295.2
15°	337.4	326.9	316.3	297.9	282.0	274.1	258.3	250.4	245.1	234.6	229.3
17.5°	271.5	257.0	245.1	228.0	220.1	206.9	197.7	184.5	174.0	170.0	166.1
20°	204.3	191.1	180.6	166.1	158.2	147.6	142.3	133.1	127.8	125.2	122.6
22.5°	150.2	139.7	133.1	125.2	121.3	117.3	114.7	112.0	109.4	108.1	108.1
25°	118.6	114.7	112.0	109.4	108.1	106.8	104.1	102.8	101.5	100.2	100.2
27.5°	108.1	105.4	104.1	102.8	101.5	98.8	98.8	96.2	94.9	94.9	93.6
30°	109.4	109.4	109.4	106.8	105.4	102.8	101.5	97.5	94.9	92.3	90.9
32.5°	89.6	89.6	88.3	85.7	84.4	83.0	83.0	80.4	79.1	79.1	81.7
35°	81.7	80.4	79.1	76.4	75.1	72.5	71.2	69.9	68.5	67.2	67.2
37.5°	77.8	76.4	75.1	72.5	71.2	69.9	68.5	65.9	64.6	64.6	63.3
40°	73.8	73.8	73.8	71.2	69.9	67.2	65.9	64.6	63.3	61.9	61.9
42.5°	71.2	71.2	71.2	69.9	68.5	67.2	64.6	63.3	61.9	60.6	59.3
45°	72.5	71.2	71.2	69.9	68.5	65.9	64.6	61.9	60.6	59.3	58.0
47.5°	77.8	76.4	73.8	71.2	68.5	65.9	63.3	60.6	59.3	58.0	56.7
50°	73.8	79.1	80.4	76.4	69.9	65.9	63.3	60.6	58.0	56.7	55.4
52.5°	72.5	73.8	79.1	79.1	72.5	67.2	63.3	60.6	58.0	55.4	54.0
55°	65.9	69.9	71.2	72.5	71.2	65.9	61.9	58.0	56.7	54.0	51.4
57.5°	58.0	60.6	61.9	64.6	65.9	64.6	59.3	55.4	54.0	51.4	48.8
60°	54.0	54.0	54.0	55.4	61.9	67.2	61.9	54.0	50.1	48.8	46.1
62.5°	50.1	50.1	48.8	50.1	51.4	58.0	56.7	51.4	48.8	47.4	44.8
65°	48.8	47.4	46.1	46.1	46.1	46.1	46.1	46.1	44.8	44.8	43.5
67.5°	44.8	43.5	43.5	42.2	42.2	42.2	42.2	42.2	40.9	40.9	39.5
70°	42.2	40.9	39.5	39.5	39.5	38.2	38.2	38.2	36.9	36.9	36.9
72.5°	38.2	36.9	36.9	36.9	35.6	35.6	35.6	34.3	34.3	32.9	32.9
75°	32.9	32.9	31.6	31.6	31.6	30.3	30.3	30.3	30.3	29.0	29.0
77.5°	27.7	26.4	27.7	26.4	26.4	26.4	26.4	26.4	25.0	25.0	23.7
80°	18.5	18.5	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	18.5
82.5°	10.5	9.2	10.5	10.5	10.5	11.9	11.9	13.2	11.9	11.9	10.5
85°	0.0	0.0	0.0	0.0	0.0	1.3	1.3	2.6	2.6	2.6	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	11.0	12.0	13.0	11.5	10.0	8.5	7.0	6.5	6.0	5.5	5.0
100°	31.0	31.5	32.0	31.5	31.0	30.5	30.0	29.2	28.5	27.8	27.0
102.5°	50.5	50.8	51.0	50.8	50.5	50.2	50.0	49.5	49.0	48.5	48.0
105°	70.5	70.8	71.0	71.0	71.0	71.0	71.0	70.5	70.0	69.5	69.0
107.5°	92.0	92.5	93.0	92.8	92.5	92.2	92.0	91.8	91.5	91.2	91.0
110°	113.0	113.5	114.0	114.0	114.0	114.0	114.0	113.8	113.5	113.2	113.0



REPORT NUMBER: P228636

CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-8030-ULG

CANDELA DISTRIBUTION (continued):

	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°
112.5°	135.0	135.5	136.0	136.0	136.0	136.0	136.0	135.8	135.5	135.2	135.0
115°	157.0	157.5	158.0	158.0	158.0	158.0	158.0	158.0	158.0	158.0	158.0
117.5°	179.5	179.8	180.0	180.2	180.5	180.8	181.0	180.8	180.5	180.2	180.0
120°	203.0	203.5	204.0	204.0	204.0	204.0	204.0	204.0	204.0	204.0	204.0
122.5°	227.5	227.8	228.0	228.0	228.0	228.0	228.0	228.2	228.5	228.8	229.0
125°	252.5	252.8	253.0	253.2	253.5	253.8	254.0	254.0	254.0	254.0	254.0
127.5°	277.0	277.5	278.0	277.8	277.5	277.2	277.0	277.2	277.5	277.8	278.0
130°	300.0	300.5	301.0	301.0	301.0	301.0	301.0	301.2	301.5	301.8	302.0
132.5°	323.5	324.2	325.0	325.0	325.0	325.0	325.0	325.2	325.5	325.8	326.0
135°	346.5	347.2	348.0	348.0	348.0	348.0	348.0	348.2	348.5	348.8	349.0
137.5°	368.0	368.5	369.0	369.0	369.0	369.0	369.0	369.2	369.5	369.8	370.0
140°	389.5	389.8	390.0	390.0	390.0	390.0	390.0	390.5	391.0	391.5	392.0
142.5°	411.0	411.5	412.0	412.0	412.0	412.0	412.0	412.2	412.5	412.8	413.0
145°	433.0	433.5	434.0	433.8	433.5	433.2	433.0	433.2	433.5	433.8	434.0
147.5°	453.5	453.8	454.0	453.5	453.0	452.5	452.0	452.2	452.5	452.8	453.0
150°	470.5	470.8	471.0	470.5	470.0	469.5	469.0	469.0	469.0	469.0	469.0
152.5°	486.5	486.8	487.0	486.8	486.5	486.2	486.0	486.0	486.0	486.0	486.0
155°	503.5	503.8	504.0	503.8	503.5	503.2	503.0	503.2	503.5	503.8	504.0
157.5°	519.0	519.0	519.0	518.5	518.0	517.5	517.0	517.2	517.5	517.8	518.0
160°	532.0	532.0	532.0	531.5	531.0	530.5	530.0	530.0	530.0	530.0	530.0
162.5°	541.5	541.8	542.0	541.5	541.0	540.5	540.0	539.5	539.0	538.5	538.0
165°	552.5	552.8	553.0	552.2	551.5	550.8	550.0	549.5	549.0	548.5	548.0
167.5°	560.0	560.0	560.0	559.5	559.0	558.5	558.0	558.2	558.5	558.8	559.0
170°	565.5	565.2	565.0	564.8	564.5	564.2	564.0	564.5	565.0	565.5	566.0
172.5°	568.5	568.8	569.0	568.5	568.0	567.5	567.0	567.2	567.5	567.8	568.0
175°	572.5	572.8	573.0	572.2	571.5	570.8	570.0	569.5	569.0	568.5	568.0
177.5°	577.0	577.0	577.0	576.2	575.5	574.8	574.0	574.0	574.0	574.0	574.0
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0



REPORT NUMBER: P228636

CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-8030-ULG

CANDELA DISTRIBUTION (continued):

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°
0°	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3
2.5°	780.2	778.9	765.7	768.4	764.4	756.5	757.8	759.2	761.8	756.5	753.9
5°	586.5	587.8	570.7	576.0	572.0	570.7	574.6	581.2	585.2	583.9	579.9
7.5°	416.5	417.8	403.3	402.0	398.0	396.7	402.0	408.6	412.5	411.2	412.5
10°	344.0	340.0	326.9	317.6	308.4	300.5	299.2	299.2	299.2	296.5	293.9
12.5°	284.7	280.7	264.9	257.0	249.1	238.6	237.2	235.9	232.0	228.0	222.7
15°	221.4	217.5	204.3	199.0	192.4	188.5	187.2	187.2	184.5	181.9	179.2
17.5°	160.8	158.2	150.2	145.0	143.7	145.0	146.3	148.9	150.2	151.6	151.6
20°	121.3	119.9	117.3	117.3	118.6	122.6	123.9	127.8	129.2	131.8	134.4
22.5°	106.8	106.8	105.4	105.4	108.1	112.0	114.7	116.0	117.3	118.6	118.6
25°	98.8	98.8	97.5	100.2	104.1	104.1	104.1	104.1	101.5	100.2	100.2
27.5°	93.6	93.6	93.6	94.9	93.6	92.3	92.3	92.3	90.9	90.9	89.6
30°	89.6	89.6	89.6	88.3	88.3	87.0	87.0	85.7	85.7	84.4	84.4
32.5°	83.0	80.4	83.0	80.4	80.4	79.1	80.4	80.4	77.8	77.8	77.8
35°	65.9	64.6	64.6	64.6	63.3	64.6	67.2	67.2	67.2	67.2	67.2
37.5°	61.9	61.9	60.6	59.3	59.3	58.0	59.3	58.0	58.0	58.0	59.3
40°	60.6	59.3	58.0	58.0	56.7	55.4	55.4	55.4	55.4	55.4	55.4
42.5°	58.0	58.0	55.4	54.0	54.0	52.7	52.7	52.7	52.7	52.7	52.7
45°	56.7	55.4	54.0	52.7	51.4	51.4	51.4	51.4	51.4	51.4	50.1
47.5°	55.4	54.0	52.7	51.4	50.1	48.8	48.8	48.8	48.8	48.8	48.8
50°	54.0	52.7	50.1	50.1	48.8	47.4	47.4	47.4	47.4	47.4	47.4
52.5°	51.4	51.4	48.8	47.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1
55°	48.8	48.8	46.1	44.8	43.5	43.5	43.5	43.5	44.8	44.8	44.8
57.5°	47.4	46.1	43.5	43.5	40.9	40.9	40.9	42.2	42.2	43.5	43.5
60°	44.8	43.5	42.2	40.9	40.9	39.5	39.5	39.5	39.5	40.9	40.9
62.5°	43.5	42.2	39.5	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
65°	40.9	40.9	38.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
67.5°	38.2	38.2	35.6	34.3	34.3	34.3	35.6	34.3	34.3	34.3	34.3
70°	35.6	34.3	32.9	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
72.5°	31.6	31.6	30.3	29.0	29.0	29.0	29.0	29.0	29.0	29.0	30.3
75°	27.7	26.4	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
77.5°	23.7	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	22.4
80°	17.1	15.8	15.8	15.8	15.8	17.1	17.1	17.1	17.1	17.1	17.1
82.5°	10.5	9.2	9.2	9.2	10.5	11.9	11.9	11.9	11.9	13.2	13.2
85°	2.6	2.6	2.6	2.6	5.3	6.6	6.6	6.6	7.9	6.6	6.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	4.8	4.5	4.0	4.0	4.0	4.5	4.8	5.0	5.5	6.0	6.5
100°	26.8	26.5	26.0	25.0	26.0	26.5	26.8	27.0	27.8	28.5	29.2
102.5°	48.2	48.5	49.0	48.0	49.0	48.5	48.2	48.0	48.5	49.0	49.5
105°	69.5	70.0	71.0	69.0	71.0	70.0	69.5	69.0	69.5	70.0	70.5
107.5°	91.2	91.5	92.0	91.0	92.0	91.5	91.2	91.0	91.2	91.5	91.8
110°	113.2	113.5	114.0	113.0	114.0	113.5	113.2	113.0	113.2	113.5	113.8



REPORT NUMBER: P228636
 CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-8030-ULG

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°	
112.5°	135.5	136.0	137.0	135.0	137.0	136.0	135.5	135.0	135.2	135.5	135.8	0°
115°	158.5	159.0	160.0	159.0	160.0	159.0	158.5	158.0	158.0	158.0	158.0	2.5°
117.5°	180.5	181.0	182.0	180.0	182.0	181.0	180.5	180.0	180.2	180.5	180.8	5°
120°	204.5	205.0	206.0	204.0	206.0	205.0	204.5	204.0	204.0	204.0	204.0	7.5°
122.5°	230.0	231.0	233.0	232.0	233.0	231.0	230.0	229.0	228.8	228.5	228.2	10°
125°	254.8	255.5	257.0	256.0	257.0	255.5	254.8	254.0	254.0	254.0	254.0	12.5°
127.5°	278.8	279.5	281.0	278.0	281.0	279.5	278.8	278.0	277.8	277.5	277.2	15°
130°	302.8	303.5	305.0	303.0	305.0	303.5	302.8	302.0	301.8	301.5	301.2	17.5°
132.5°	326.8	327.5	329.0	327.0	329.0	327.5	326.8	326.0	325.8	325.5	325.2	20°
135°	349.5	350.0	351.0	350.0	351.0	350.0	349.5	349.0	348.8	348.5	348.2	22.5°
137.5°	371.0	372.0	374.0	372.0	374.0	372.0	371.0	370.0	369.8	369.5	369.2	25°
140°	393.0	394.0	396.0	394.0	396.0	394.0	393.0	392.0	391.5	391.0	390.5	27.5°
142.5°	413.8	414.5	416.0	415.0	416.0	414.5	413.8	413.0	412.8	412.5	412.2	30°
145°	434.8	435.5	437.0	435.0	437.0	435.5	434.8	434.0	433.8	433.5	433.2	32.5°
147.5°	453.8	454.5	456.0	453.0	456.0	454.5	453.8	453.0	452.8	452.5	452.2	35°
150°	470.0	471.0	473.0	470.0	473.0	471.0	470.0	469.0	469.0	469.0	469.0	37.5°
152.5°	486.8	487.5	489.0	486.0	489.0	487.5	486.8	486.0	486.0	486.0	486.0	40°
155°	504.8	505.5	507.0	505.0	507.0	505.5	504.8	504.0	503.8	503.5	503.2	42.5°
157.5°	519.2	520.5	523.0	520.0	523.0	520.5	519.2	518.0	517.8	517.5	517.2	45°
160°	530.8	531.5	533.0	531.0	533.0	531.5	530.8	530.0	530.0	530.0	530.0	47.5°
162.5°	538.5	539.0	540.0	537.0	540.0	539.0	538.5	538.0	538.5	539.0	539.5	50°
165°	548.5	549.0	550.0	548.0	550.0	549.0	548.5	548.0	548.5	549.0	549.5	52.5°
167.5°	560.0	561.0	563.0	561.0	563.0	561.0	560.0	559.0	558.8	558.5	558.2	55°
170°	567.2	568.5	571.0	569.0	571.0	568.5	567.2	566.0	565.5	565.0	564.5	57.5°
172.5°	568.8	569.5	571.0	568.0	571.0	569.5	568.8	568.0	567.8	567.5	567.2	60°
175°	568.8	569.5	571.0	568.0	571.0	569.5	568.8	568.0	568.5	569.0	569.5	62.5°
177.5°	574.8	575.5	577.0	574.0	577.0	575.5	574.8	574.0	574.0	574.0	574.0	65°
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	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°
												110°



NUMBER: P228636
 NUMBER: ISC-AF-800-LED-E1-SLR-8030-ULG

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

115°	117.5°	120°	122.5°	125°	127.5°	130°	135°	145°	155°	165°	115°	
921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	112.5°	136.0
751.2	767.1	767.1	756.5	761.8	756.5	755.2	764.4	769.7	786.8	797.4	115°	158.0
581.2	601.0	602.3	597.0	603.6	599.7	603.6	615.5	624.7	636.6	647.1	117.5°	181.0
415.2	433.6	437.6	433.6	445.5	444.2	446.8	460.0	467.9	474.5	475.8	120°	204.0
292.6	295.2	305.8	303.1	311.0	309.7	313.7	324.2	334.8	338.7	341.4	122.5°	228.0
220.1	217.5	221.4	216.1	220.1	220.1	221.4	228.0	241.2	246.5	259.6	125°	254.0
177.9	175.3	175.3	172.7	172.7	171.3	172.7	177.9	187.2	195.1	205.6	127.5°	277.0
151.6	151.6	151.6	150.2	148.9	148.9	150.2	152.9	158.2	163.4	168.7	130°	301.0
135.8	138.4	139.7	141.0	142.3	143.7	145.0	148.9	147.6	142.3	135.8	132.5°	325.0
118.6	118.6	119.9	119.9	118.6	118.6	118.6	118.6	118.6	122.6	126.5	135°	348.0
98.8	98.8	98.8	100.2	98.8	98.8	100.2	100.2	101.5	104.1	108.1	137.5°	369.0
89.6	89.6	89.6	89.6	89.6	89.6	89.6	90.9	92.3	96.2	98.8	140°	390.0
83.0	83.0	81.7	81.7	81.7	80.4	81.7	81.7	83.0	88.3	92.3	142.5°	412.0
76.4	75.1	75.1	75.1	73.8	73.8	73.8	76.4	77.8	80.4	84.4	145°	433.0
67.2	67.2	67.2	68.5	68.5	68.5	68.5	71.2	71.2	72.5	72.5	147.5°	452.0
60.6	60.6	61.9	63.3	63.3	64.6	64.6	65.9	67.2	65.9	64.6	150°	469.0
55.4	56.7	56.7	59.3	59.3	59.3	60.6	61.9	63.3	60.6	60.6	152.5°	486.0
52.7	52.7	52.7	54.0	54.0	54.0	55.4	56.7	58.0	58.0	58.0	155°	503.0
50.1	50.1	50.1	51.4	50.1	50.1	50.1	51.4	54.0	54.0	55.4	157.5°	517.0
48.8	48.8	48.8	47.4	47.4	47.4	47.4	48.8	50.1	52.7	54.0	160°	530.0
47.4	46.1	46.1	46.1	46.1	46.1	46.1	47.4	48.8	50.1	52.7	162.5°	540.0
44.8	44.8	44.8	44.8	44.8	44.8	44.8	46.1	47.4	48.8	50.1	165°	550.0
44.8	44.8	43.5	43.5	44.8	44.8	44.8	46.1	47.4	48.8	48.8	167.5°	558.0
43.5	42.2	42.2	43.5	43.5	43.5	43.5	44.8	46.1	47.4	47.4	170°	564.0
40.9	40.9	40.9	40.9	42.2	42.2	43.5	44.8	44.8	46.1	46.1	172.5°	567.0
38.2	39.5	39.5	39.5	40.9	40.9	42.2	43.5	44.8	46.1	44.8	175°	570.0
36.9	38.2	38.2	38.2	39.5	39.5	39.5	42.2	43.5	43.5	44.8	177.5°	574.0
35.6	35.6	35.6	36.9	36.9	38.2	38.2	40.9	40.9	42.2	43.5	180°	576.0
32.9	32.9	32.9	34.3	34.3	35.6	36.9	38.2	38.2	39.5	40.9		
30.3	30.3	30.3	31.6	31.6	32.9	34.3	36.9	35.6	36.9	36.9		
26.4	26.4	27.7	27.7	29.0	30.3	31.6	31.6	31.6	31.6	31.6		
22.4	22.4	23.7	23.7	25.0	26.4	26.4	26.4	27.7	26.4	26.4		
18.5	18.5	19.8	19.8	19.8	19.8	21.1	19.8	21.1	19.8	21.1		
13.2	13.2	14.5	13.2	14.5	13.2	13.2	11.9	14.5	13.2	13.2		
5.3	6.6	6.6	6.6	6.6	5.3	5.3	4.0	5.3	5.3	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		
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
7.0	8.5	10.0	11.5	13.0	12.0	11.0	9.0	4.0	3.0	2.0		
30.0	30.5	31.0	31.5	32.0	31.5	31.0	30.0	22.0	14.0	10.0		
50.0	50.2	50.5	50.8	51.0	50.8	50.5	50.0	45.0	38.0	32.0		
71.0	71.0	71.0	71.0	71.0	70.8	70.5	70.0	66.0	61.0	56.0		
92.0	92.2	92.5	92.8	93.0	92.5	92.0	91.0	88.0	84.0	80.0		
114.0	114.0	114.0	114.0	114.0	113.5	113.0	112.0	110.0	106.0	103.0		

'228636
 ISC-AF-800-LED-E1-SLR-8030-ULG

REPORT NUMBER: P228636
 CATALOG NUMBER: ISC-AF-80

TION (continued):

CANDELA DISTRIBUTION (con

117.5°	120°	122.5°	125°	127.5°	130°	135°	145°	155°	165°		175°	180°
136.0	136.0	136.0	136.0	135.5	135.0	134.0	132.0	129.0	126.0	0°	921.3	921.3
158.0	158.0	158.0	158.0	157.5	157.0	156.0	154.0	151.0	149.0	2.5°	801.3	800.0
180.8	180.5	180.2	180.0	179.8	179.5	179.0	177.0	174.0	172.0	5°	648.4	645.8
204.0	204.0	204.0	204.0	203.5	203.0	202.0	201.0	198.0	196.0	7.5°	463.9	458.7
228.0	228.0	228.0	228.0	227.8	227.5	227.0	226.0	223.0	221.0	10°	342.7	346.6
253.8	253.5	253.2	253.0	252.8	252.5	252.0	251.0	248.0	247.0	12.5°	274.1	290.0
277.2	277.5	277.8	278.0	277.5	277.0	276.0	274.0	272.0	270.0	15°	220.1	229.3
301.0	301.0	301.0	301.0	300.5	300.0	299.0	298.0	294.0	293.0	17.5°	170.0	174.0
325.0	325.0	325.0	325.0	324.2	323.5	322.0	321.0	318.0	317.0	20°	135.8	135.8
348.0	348.0	348.0	348.0	347.2	346.5	345.0	345.0	341.0	339.0	22.5°	118.6	117.3
369.0	369.0	369.0	369.0	368.5	368.0	367.0	367.0	364.0	363.0	25°	112.0	110.7
390.0	390.0	390.0	390.0	389.8	389.5	389.0	388.0	386.0	385.0	27.5°	101.5	102.8
412.0	412.0	412.0	412.0	411.5	411.0	410.0	410.0	407.0	408.0	30°	94.9	96.2
433.2	433.5	433.8	434.0	433.5	433.0	432.0	431.0	428.0	428.0	32.5°	87.0	88.3
452.5	453.0	453.5	454.0	453.8	453.5	453.0	452.0	448.0	447.0	35°	71.2	71.2
469.5	470.0	470.5	471.0	470.8	470.5	470.0	469.0	465.0	464.0	37.5°	65.9	65.9
486.2	486.5	486.8	487.0	486.8	486.5	486.0	485.0	482.0	483.0	40°	61.9	63.3
503.2	503.5	503.8	504.0	503.8	503.5	503.0	503.0	501.0	502.0	42.5°	59.3	59.3
517.5	518.0	518.5	519.0	519.0	519.0	519.0	519.0	516.0	517.0	45°	56.7	58.0
530.5	531.0	531.5	532.0	532.0	532.0	532.0	532.0	529.0	529.0	47.5°	55.4	55.4
540.5	541.0	541.5	542.0	541.8	541.5	541.0	541.0	538.0	539.0	50°	52.7	54.0
550.8	551.5	552.2	553.0	552.8	552.5	552.0	552.0	548.0	549.0	52.5°	51.4	52.7
558.5	559.0	559.5	560.0	560.0	560.0	560.0	561.0	558.0	559.0	55°	50.1	50.1
564.2	564.5	564.8	565.0	565.2	565.5	566.0	567.0	565.0	566.0	57.5°	47.4	48.8
567.5	568.0	568.5	569.0	568.8	568.5	568.0	569.0	567.0	569.0	60°	47.4	47.4
570.8	571.5	572.2	573.0	572.8	572.5	572.0	572.0	569.0	570.0	62.5°	46.1	46.1
574.8	575.5	576.2	577.0	577.0	577.0	577.0	578.0	574.0	575.0	65°	44.8	44.8
576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	67.5°	42.2	42.2
										70°	39.5	39.5
										72.5°	36.9	35.6
										75°	31.6	31.6
										77.5°	26.4	26.4
										80°	19.8	18.5
										82.5°	11.9	10.5
										85°	4.0	4.0
										87.5°	0.0	0.0
										90°	0.0	0.0
										92.5°	0.0	0.0
										95°	1.0	1.0
										97.5°	2.0	2.0
										100°	8.0	8.0
										102.5°	28.0	28.0
										105°	54.0	54.0
										107.5°	77.0	78.0
										110°	102.0	101.0



REPORT NUMBER: P228636

CATALOG NUMBER: ISC-AF-800-LED-E1-S

0-LED-E1-SLR-8030-ULG

tinued):

CANDELA DISTRIBUTION (continued):

185°	195°	205°	215°	225°	230°	235°	240°	245°		175°	180°	185°
921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	112.5°	124.0	124.0	124.0
819.8	834.3	843.5	879.1	894.9	914.7	923.9	937.1	950.3	115°	147.0	146.0	147.0
669.5	688.0	703.8	755.2	785.5	813.2	835.6	856.7	887.0	117.5°	170.0	169.0	170.0
474.5	490.3	511.4	566.7	619.4	656.4	689.3	724.9	764.4	120°	195.0	193.0	195.0
362.4	386.2	413.8	456.0	498.2	524.6	553.6	593.1	640.5	122.5°	220.0	219.0	220.0
303.1	332.1	365.1	412.5	457.3	478.4	499.5	519.3	544.3	125°	246.0	244.0	246.0
239.9	267.5	307.1	362.4	415.2	438.9	463.9	487.7	510.1	127.5°	269.0	267.0	269.0
179.2	199.0	234.6	300.5	358.5	388.8	417.8	450.7	481.1	130°	292.0	290.0	292.0
137.1	146.3	171.3	222.7	293.9	332.1	369.0	411.2	454.7	132.5°	314.0	313.0	314.0
118.6	122.6	134.4	164.7	229.3	274.1	321.6	374.3	428.3	135°	337.0	336.0	337.0
109.4	112.0	118.6	133.1	179.2	226.7	275.5	338.7	404.6	137.5°	360.0	359.0	360.0
104.1	106.8	112.0	119.9	148.9	184.5	238.6	308.4	387.5	140°	383.0	382.0	383.0
97.5	100.2	109.4	118.6	135.8	158.2	204.3	272.8	361.1	142.5°	406.0	404.0	406.0
89.6	90.9	93.6	104.1	116.0	134.4	174.0	241.2	333.4	145°	426.0	425.0	426.0
72.5	76.4	81.7	92.3	104.1	118.6	155.5	220.1	316.3	147.5°	444.0	444.0	444.0
67.2	71.2	76.4	85.7	96.2	109.4	147.6	212.2	300.5	150°	462.0	461.0	462.0
63.3	67.2	72.5	83.0	89.6	105.4	143.7	200.3	284.7	152.5°	480.0	479.0	480.0
60.6	64.6	71.2	79.1	88.3	102.8	133.1	189.8	275.5	155°	500.0	499.0	500.0
58.0	61.9	69.9	76.4	89.6	97.5	126.5	181.9	267.5	157.5°	515.0	513.0	515.0
56.7	60.6	68.5	77.8	87.0	92.3	119.9	175.3	261.0	160°	527.0	525.0	527.0
55.4	59.3	67.2	85.7	83.0	88.3	114.7	170.0	257.0	162.5°	536.0	535.0	536.0
54.0	58.0	67.2	87.0	80.4	83.0	110.7	164.7	254.4	165°	547.0	546.0	547.0
51.4	56.7	67.2	80.4	75.1	80.4	102.8	156.8	247.8	167.5°	556.0	555.0	556.0
50.1	54.0	65.9	73.8	71.2	76.4	94.9	143.7	238.6	170°	563.0	562.0	563.0
48.8	52.7	65.9	65.9	67.2	72.5	85.7	127.8	222.7	172.5°	566.0	565.0	566.0
47.4	52.7	67.2	59.3	63.3	68.5	79.1	114.7	203.0	175°	569.0	567.0	569.0
46.1	50.1	58.0	56.7	60.6	64.6	76.4	105.4	185.8	177.5°	573.0	572.0	573.0
43.5	47.4	51.4	52.7	58.0	61.9	75.1	104.1	170.0	180°	576.0	576.0	576.0
39.5	43.5	46.1	50.1	54.0	59.3	75.1	102.8	158.2				
36.9	39.5	42.2	44.8	48.8	55.4	73.8	104.1	152.9				
31.6	34.3	36.9	39.5	43.5	51.4	69.9	97.5	137.1				
25.0	29.0	31.6	32.9	36.9	44.8	60.6	83.0	110.7				
18.5	22.4	23.7	26.4	29.0	34.3	47.4	60.6	81.7				
10.5	14.5	15.8	17.1	22.4	25.0	31.6	39.5	55.4				
4.0	6.6	7.9	9.2	13.2	14.5	19.8	25.0	29.0				
0.0	0.0	0.0	0.0	2.6	4.0	6.6	7.9	6.6				
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				
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0				
2.0	2.0	3.0	4.0	9.0	11.0	13.0	10.0	7.0				
8.0	10.0	14.0	22.0	30.0	31.0	32.0	31.0	30.0				
28.0	32.0	38.0	45.0	50.0	50.5	51.0	50.5	50.0				
54.0	56.0	61.0	66.0	70.0	70.5	71.0	71.0	71.0				
77.0	80.0	84.0	88.0	91.0	92.0	93.0	92.5	92.0				
102.0	103.0	106.0	110.0	112.0	113.0	114.0	114.0	114.0				



REPORT NUMBER: P228636

CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-8030-L

SLR-8030-ULG

CANDELA DISTRIBUTION (continued):

195°	205°	215°	225°	230°	235°	240°	245°		250°	255°	260°	265°
126.0	129.0	132.0	134.0	135.0	136.0	136.0	136.0	0°	921.3	921.3	921.3	921.3
149.0	151.0	154.0	156.0	157.0	158.0	158.0	158.0	2.5°	966.1	979.3	996.4	1012.2
172.0	174.0	177.0	179.0	179.5	180.0	180.5	181.0	5°	910.7	935.8	972.7	1003.0
196.0	198.0	201.0	202.0	203.0	204.0	204.0	204.0	7.5°	798.7	833.0	879.1	921.3
221.0	223.0	226.0	227.0	227.5	228.0	228.0	228.0	10°	681.4	728.8	777.6	831.6
247.0	248.0	251.0	252.0	252.5	253.0	253.5	254.0	12.5°	585.2	639.2	694.6	761.8
270.0	272.0	274.0	276.0	277.0	278.0	277.5	277.0	15°	544.3	591.8	656.4	730.2
293.0	294.0	298.0	299.0	300.0	301.0	301.0	301.0	17.5°	527.2	587.8	661.6	739.4
317.0	318.0	321.0	322.0	323.5	325.0	325.0	325.0	20°	508.7	591.8	690.6	785.5
339.0	341.0	345.0	345.0	346.5	348.0	348.0	348.0	22.5°	498.2	605.0	727.5	860.6
363.0	364.0	367.0	367.0	368.0	369.0	369.0	369.0	25°	495.6	635.3	790.8	967.4
385.0	386.0	388.0	389.0	389.5	390.0	390.0	390.0	27.5°	498.2	669.5	869.9	1082.1
408.0	407.0	410.0	410.0	411.0	412.0	412.0	412.0	30°	486.3	705.1	948.9	1182.2
428.0	428.0	431.0	432.0	433.0	434.0	433.5	433.0	32.5°	466.6	731.5	1018.8	1262.6
447.0	448.0	452.0	453.0	453.5	454.0	453.0	452.0	35°	444.2	743.3	1068.9	1337.7
464.0	465.0	469.0	470.0	470.5	471.0	470.0	469.0	37.5°	420.4	744.7	1116.3	1416.8
483.0	482.0	485.0	486.0	486.5	487.0	486.5	486.0	40°	407.3	739.4	1165.1	1514.4
502.0	501.0	503.0	503.0	503.5	504.0	503.5	503.0	42.5°	402.0	730.2	1200.7	1588.2
517.0	516.0	519.0	519.0	519.0	519.0	518.0	517.0	45°	402.0	720.9	1233.6	1643.5
529.0	529.0	532.0	532.0	532.0	532.0	531.0	530.0	47.5°	403.3	724.9	1273.2	1733.1
539.0	538.0	541.0	541.0	541.5	542.0	541.0	540.0	50°	409.9	769.7	1340.4	1832.0
549.0	548.0	552.0	552.0	552.5	553.0	551.5	550.0	52.5°	420.4	840.9	1456.4	1949.3
559.0	558.0	561.0	560.0	560.0	560.0	559.0	558.0	55°	431.0	913.4	1607.9	2145.7
566.0	565.0	567.0	566.0	565.5	565.0	564.5	564.0	57.5°	440.2	967.4	1755.5	2340.7
569.0	567.0	569.0	568.0	568.5	569.0	568.0	567.0	60°	449.4	1009.6	1841.2	2427.7
570.0	569.0	572.0	572.0	572.5	573.0	571.5	570.0	62.5°	444.2	993.8	1864.9	2384.2
575.0	574.0	578.0	577.0	577.0	577.0	575.5	574.0	65°	424.4	910.7	1789.8	2234.0
576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	67.5°	370.4	765.7	1559.2	1996.7
								70°	307.1	601.0	1271.8	1700.2
								72.5°	258.3	449.4	977.9	1316.7
								75°	214.8	317.6	688.0	906.8
								77.5°	159.5	216.1	498.2	633.9
								80°	106.8	133.1	317.6	442.8
								82.5°	64.6	77.8	183.2	309.7
								85°	35.6	48.8	112.0	203.0
								87.5°	9.2	10.5	25.0	9.2
								90°	0.0	0.0	0.0	0.0
								92.5°	0.0	0.0	0.0	0.0
								95°	1.0	1.0	1.0	1.0
								97.5°	6.0	5.0	4.5	4.0
								100°	28.5	27.0	26.5	26.0
								102.5°	49.0	48.0	48.5	49.0
								105°	70.0	69.0	70.0	71.0
								107.5°	91.5	91.0	91.5	92.0
								110°	113.5	113.0	113.5	114.0



REPORT NUMBER: P228636

CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-8030-ULG

JLG

CANDELA DISTRIBUTION (continued):

270°	275°	280°	285°	290°	295°	300°		250°	255°	260°	265°	270°
921.3	921.3	921.3	921.3	921.3	921.3	921.3	112.5°	135.5	135.0	136.0	137.0	135.0
1024.1	1034.6	1047.8	1047.8	1063.6	1068.9	1079.4	115°	158.0	158.0	159.0	160.0	159.0
1039.9	1075.5	1108.4	1126.9	1158.5	1179.6	1200.7	117.5°	180.5	180.0	181.0	182.0	180.0
975.3	1033.3	1087.3	1137.4	1190.1	1234.9	1267.9	120°	204.0	204.0	205.0	206.0	204.0
889.6	951.6	1017.5	1084.7	1148.0	1211.2	1265.3	122.5°	228.5	229.0	231.0	233.0	232.0
829.0	894.9	972.7	1030.7	1096.6	1159.8	1212.5	125°	254.0	254.0	255.5	257.0	256.0
801.3	868.5	941.0	1000.3	1062.3	1113.7	1150.6	127.5°	277.5	278.0	279.5	281.0	278.0
815.8	897.5	962.1	1012.2	1058.3	1082.1	1087.3	130°	301.5	302.0	303.5	305.0	303.0
879.1	964.8	1012.2	1045.2	1053.1	1051.7	1032.0	132.5°	325.5	326.0	327.5	329.0	327.0
977.9	1078.1	1111.1	1104.5	1071.5	1029.3	996.4	135°	348.5	349.0	350.0	351.0	350.0
1111.1	1211.2	1229.7	1192.8	1119.0	1037.2	981.9	137.5°	369.5	370.0	372.0	374.0	372.0
1250.8	1353.6	1347.0	1291.6	1186.2	1071.5	983.2	140°	391.0	392.0	394.0	396.0	394.0
1349.6	1435.3	1408.9	1325.9	1208.6	1093.9	1000.3	142.5°	412.5	413.0	414.5	416.0	415.0
1452.4	1517.0	1469.5	1379.9	1258.7	1141.4	1045.2	145°	433.5	434.0	435.5	437.0	435.0
1563.1	1597.4	1520.9	1430.0	1319.3	1200.7	1096.6	147.5°	452.5	453.0	454.5	456.0	453.0
1669.9	1684.4	1573.7	1476.1	1368.1	1261.3	1166.4	150°	469.0	469.0	471.0	473.0	470.0
1784.5	1764.8	1629.0	1514.4	1407.6	1325.9	1248.1	152.5°	486.0	486.0	487.5	489.0	486.0
1883.4	1839.9	1680.4	1552.6	1456.4	1387.8	1333.8	155°	503.5	504.0	505.5	507.0	505.0
1957.2	1900.5	1729.2	1589.5	1503.8	1461.6	1435.3	157.5°	517.5	518.0	520.5	523.0	520.0
2020.5	1958.5	1767.4	1643.5	1569.7	1553.9	1563.1	160°	530.0	530.0	531.5	533.0	531.0
2099.5	2020.5	1818.8	1704.1	1659.3	1675.1	1727.9	162.5°	539.0	538.0	539.0	540.0	537.0
2222.1	2119.3	1904.5	1791.1	1770.0	1826.7	1926.9	165°	549.0	548.0	549.0	550.0	548.0
2419.8	2298.6	2056.0	1942.7	1917.7	2004.6	2148.3	167.5°	558.5	559.0	561.0	563.0	561.0
2591.1	2498.9	2256.4	2119.3	2108.8	2202.3	2359.2	170°	565.0	566.0	568.5	571.0	569.0
2668.9	2659.7	2463.3	2336.8	2321.0	2407.9	2556.9	172.5°	567.5	568.0	569.5	571.0	568.0
2662.3	2738.8	2632.0	2542.4	2488.3	2560.8	2705.8	175°	569.0	568.0	569.5	571.0	568.0
2566.1	2691.3	2700.5	2679.4	2581.9	2587.2	2690.0	177.5°	574.0	574.0	575.5	577.0	574.0
2377.6	2526.6	2682.1	2675.5	2551.6	2442.2	2463.3	180°	576.0	576.0	576.0	576.0	576.0
2110.1	2237.9	2485.7	2535.8	2359.2	2154.9	2058.7						
1691.0	1839.9	2207.6	2277.5	2036.3	1749.0	1600.0						
1166.4	1362.8	1926.9	1933.5	1652.7	1376.0	1215.2						
801.3	970.0	1557.8	1575.0	1311.4	1043.8	905.5						
539.1	649.8	1142.7	1070.2	865.9	723.6	688.0						
340.0	404.6	718.3	670.9	570.7	521.9	535.1						
158.2	221.4	392.8	383.5	359.8	315.0	274.1						
4.0	11.9	76.4	50.1	50.1	29.0	10.5						
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						
1.0	1.0	1.0	1.0	1.0	1.0	1.0						
4.0	4.0	4.5	5.0	6.0	7.0	10.0						
25.0	26.0	26.5	27.0	28.5	30.0	31.0						
48.0	49.0	48.5	48.0	49.0	50.0	50.5						
69.0	71.0	70.0	69.0	70.0	71.0	71.0						
91.0	92.0	91.5	91.0	91.5	92.0	92.5						
113.0	114.0	113.5	113.0	113.5	114.0	114.0						



REPORT NUMBER: P228636

CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-8030-ULG

CANDELA DISTRIBUTION (continued):

275°	280°	285°	290°	295°	300°		305°	310°	315°	325°	335°	340°
137.0	136.0	135.0	135.5	136.0	136.0	0°	921.3	921.3	921.3	921.3	921.3	921.3
160.0	159.0	158.0	158.0	158.0	158.0	2.5°	1070.2	1074.2	1072.8	1063.6	1039.9	1030.7
182.0	181.0	180.0	180.5	181.0	180.5	5°	1199.4	1205.9	1198.0	1175.6	1115.0	1086.0
206.0	205.0	204.0	204.0	204.0	204.0	7.5°	1290.3	1295.6	1282.4	1231.0	1122.9	1074.2
233.0	231.0	229.0	228.5	228.0	228.0	10°	1307.4	1319.3	1304.8	1231.0	1105.8	1045.2
257.0	255.5	254.0	254.0	254.0	253.5	12.5°	1258.7	1283.7	1273.2	1219.1	1097.9	1033.3
281.0	279.5	278.0	277.5	277.0	277.5	15°	1183.5	1186.2	1192.8	1191.5	1083.4	1020.1
305.0	303.5	302.0	301.5	301.0	301.0	17.5°	1100.5	1097.9	1105.8	1130.8	1079.4	1029.3
329.0	327.5	326.0	325.5	325.0	325.0	20°	1025.4	1021.4	1029.3	1054.4	1063.6	1051.7
351.0	350.0	349.0	348.5	348.0	348.0	22.5°	977.9	964.8	963.4	1000.3	1071.5	1103.1
374.0	372.0	370.0	369.5	369.0	369.0	25°	951.6	937.1	943.7	985.8	1104.5	1163.8
396.0	394.0	392.0	391.0	390.0	390.0	27.5°	943.7	927.9	937.1	984.5	1138.7	1237.6
416.0	414.5	413.0	412.5	412.0	412.0	30°	948.9	933.1	937.1	993.8	1155.9	1254.7
437.0	435.5	434.0	433.5	433.0	433.5	32.5°	979.3	951.6	948.9	1021.4	1187.5	1292.9
456.0	454.5	453.0	452.5	452.0	453.0	35°	1020.1	980.6	975.3	1066.2	1228.4	1341.7
473.0	471.0	469.0	469.0	469.0	470.0	37.5°	1088.6	1039.9	1032.0	1141.4	1283.7	1382.6
489.0	487.5	486.0	486.0	486.0	486.5	40°	1180.9	1132.1	1132.1	1237.6	1358.8	1439.2
507.0	505.5	504.0	503.5	503.0	503.5	42.5°	1285.0	1253.4	1258.7	1353.6	1444.5	1510.4
523.0	520.5	518.0	517.5	517.0	518.0	45°	1423.4	1406.3	1432.6	1499.9	1531.5	1576.3
533.0	531.5	530.0	530.0	530.0	531.0	47.5°	1585.5	1600.0	1636.9	1658.0	1619.8	1643.5
540.0	539.0	538.0	539.0	540.0	541.0	50°	1788.5	1826.7	1862.3	1857.0	1729.2	1721.3
550.0	549.0	548.0	549.0	550.0	551.5	52.5°	2021.8	2071.9	2096.9	2067.9	1851.8	1805.6
563.0	561.0	559.0	558.5	558.0	559.0	55°	2259.0	2319.6	2311.7	2278.8	1984.9	1922.9
571.0	568.5	566.0	565.0	564.0	564.5	57.5°	2473.8	2521.3	2542.4	2471.2	2147.0	2065.3
571.0	569.5	568.0	567.5	567.0	568.0	60°	2643.9	2695.3	2695.3	2625.4	2323.6	2228.7
571.0	569.5	568.0	569.0	570.0	571.5	62.5°	2767.8	2808.6	2794.1	2726.9	2475.2	2402.7
577.0	575.5	574.0	574.0	574.0	575.5	65°	2758.5	2762.5	2746.7	2721.6	2566.1	2558.2
576.0	576.0	576.0	576.0	576.0	576.0	67.5°	2498.9	2500.2	2531.8	2521.3	2497.6	2595.1
						70°	2048.1	2069.2	2123.3	2107.4	2228.7	2429.0
						72.5°	1559.2	1572.3	1636.9	1622.4	1787.2	2007.3
						75°	1134.8	1133.5	1161.1	1140.1	1348.3	1593.4
						77.5°	873.8	850.1	844.8	847.5	955.5	1158.5
						80°	705.1	705.1	697.2	668.2	585.2	677.4
						82.5°	562.8	540.4	500.8	444.2	375.6	400.7
						85°	280.7	272.8	238.6	197.7	164.7	218.8
						87.5°	1.3	0.0	0.0	0.0	0.0	0.0
						90°	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
						95°	1.0	1.0	1.0	1.0	1.0	1.0
						97.5°	13.0	11.0	9.0	4.0	3.0	2.5
						100°	32.0	31.0	30.0	22.0	14.0	12.0
						102.5°	51.0	50.5	50.0	45.0	38.0	35.0
						105°	71.0	70.5	70.0	66.0	61.0	58.5
						107.5°	93.0	92.0	91.0	88.0	84.0	82.0
						110°	114.0	113.0	112.0	110.0	106.0	104.5

REPORT NUMBER: P228636

CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-8030-ULG

CANDELA DISTRIBUTION (continued):

342.5°	345°	347.5°	350°	352.5°		305°	310°	315°	325°	335°	340°	342.5°
921.3	921.3	921.3	921.3	921.3	112.5°	136.0	135.0	134.0	132.0	129.0	127.5	126.8
1026.7	1016.2	1004.3	1004.3	993.8	115°	158.0	157.0	156.0	154.0	151.0	150.0	149.5
1068.9	1047.8	1030.7	1014.8	999.0	117.5°	180.0	179.5	179.0	177.0	174.0	173.0	172.5
1047.8	1022.8	1001.7	974.0	948.9	120°	204.0	203.0	202.0	201.0	198.0	197.0	196.5
1016.2	988.5	958.2	929.2	893.6	122.5°	228.0	227.5	227.0	226.0	223.0	222.0	221.5
999.0	966.1	929.2	898.9	858.0	125°	253.0	252.5	252.0	251.0	248.0	247.5	247.2
985.8	951.6	918.6	889.6	854.0	127.5°	278.0	277.0	276.0	274.0	272.0	271.0	270.5
1006.9	974.0	950.3	917.3	889.6	130°	301.0	300.0	299.0	298.0	294.0	293.5	293.2
1042.5	1022.8	1004.3	983.2	960.8	132.5°	325.0	323.5	322.0	321.0	318.0	317.5	317.2
1109.7	1107.1	1105.8	1090.0	1074.2	135°	348.0	346.5	345.0	345.0	341.0	340.0	339.5
1194.1	1204.6	1219.1	1219.1	1219.1	137.5°	369.0	368.0	367.0	367.0	364.0	363.5	363.2
1281.1	1307.4	1335.1	1347.0	1354.9	140°	390.0	389.5	389.0	388.0	386.0	385.5	385.2
1306.1	1344.3	1387.8	1416.8	1436.6	142.5°	412.0	411.0	410.0	410.0	407.0	407.5	407.8
1347.0	1390.5	1439.2	1472.2	1507.8	145°	434.0	433.0	432.0	431.0	428.0	428.0	428.0
1395.7	1434.0	1484.0	1528.9	1580.3	147.5°	454.0	453.5	453.0	452.0	448.0	447.5	447.2
1436.6	1486.7	1540.7	1598.7	1664.6	150°	471.0	470.5	470.0	469.0	465.0	464.5	464.2
1498.5	1551.3	1610.6	1688.3	1768.7	152.5°	487.0	486.5	486.0	485.0	482.0	482.5	482.8
1567.1	1623.7	1685.7	1763.5	1857.0	155°	504.0	503.5	503.0	503.0	501.0	501.5	501.8
1626.4	1676.5	1743.7	1824.1	1930.8	157.5°	519.0	519.0	519.0	519.0	516.0	516.5	516.8
1683.1	1729.2	1808.3	1890.0	1995.4	160°	532.0	532.0	532.0	532.0	529.0	529.0	529.0
1758.2	1793.8	1872.8	1966.4	2078.4	162.5°	542.0	541.5	541.0	541.0	538.0	538.5	538.8
1835.9	1884.7	1971.7	2078.4	2203.7	165°	553.0	552.5	552.0	552.0	548.0	548.5	548.8
1941.4	1999.4	2106.1	2227.4	2385.5	167.5°	560.0	560.0	560.0	561.0	558.0	558.5	558.8
2086.4	2147.0	2260.3	2396.1	2558.2	170°	565.0	565.5	566.0	567.0	565.0	565.5	565.8
2264.3	2323.6	2421.1	2555.6	2707.1	172.5°	569.0	568.5	568.0	569.0	567.0	568.0	568.5
2430.3	2512.1	2600.4	2700.5	2820.5	175°	573.0	572.5	572.0	572.0	569.0	569.5	569.8
2610.9	2674.2	2748.0	2786.2	2853.4	177.5°	577.0	577.0	577.0	578.0	574.0	574.5	574.8
2663.6	2716.4	2780.9	2780.9	2773.0	180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0
2508.1	2588.5	2645.2	2645.2	2578.0								
2181.3	2315.7	2371.0	2405.3	2319.6								
1772.7	1940.1	2031.0	2060.0	1904.5								
1300.8	1407.6	1419.5	1423.4	1213.9								
749.9	834.3	864.6	908.1	727.5								
434.9	466.6	518.0	536.4	442.8								
243.8	246.5	246.5	228.0	185.8								
0.0	0.0	0.0	0.0	0.0								
0.0	0.0	0.0	0.0	0.0								
0.0	0.0	0.0	0.0	0.0								
1.0	1.0	1.0	1.0	1.0								
2.2	2.0	2.0	2.0	2.0								
11.0	10.0	9.5	9.0	8.5								
33.5	32.0	31.0	30.0	29.0								
57.2	56.0	55.5	55.0	54.5								
81.0	80.0	79.2	78.5	77.8								
103.8	103.0	102.8	102.5	102.2								

REPORT NUMBER: P228636
 CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-8030-ULG

CANDELA DISTRIBUTION (continued):

345°	347.5°	350°	352.5°		355°	359°	360°
126.0	125.5	125.0	124.5	0°	921.3	921.3	921.3
149.0	148.5	148.0	147.5	2.5°	991.1	975.3	977.9
172.0	171.5	171.0	170.5	5°	976.6	954.2	946.3
196.0	195.8	195.5	195.2	7.5°	926.5	888.3	876.5
221.0	220.8	220.5	220.2	10°	865.9	817.1	807.9
247.0	246.8	246.5	246.2	12.5°	831.6	776.3	764.4
270.0	269.8	269.5	269.2	15°	821.1	768.4	755.2
293.0	292.8	292.5	292.2	17.5°	852.7	796.1	780.2
317.0	316.2	315.5	314.8	20°	925.2	858.0	839.6
339.0	338.5	338.0	337.5	22.5°	1033.3	956.9	934.4
363.0	362.2	361.5	360.8	25°	1179.6	1092.6	1070.2
385.0	384.5	384.0	383.5	27.5°	1329.8	1225.7	1196.7
408.0	407.5	407.0	406.5	30°	1416.8	1320.6	1291.6
428.0	427.5	427.0	426.5	32.5°	1505.1	1412.9	1378.6
447.0	446.2	445.5	444.8	35°	1598.7	1505.1	1470.9
464.0	463.5	463.0	462.5	37.5°	1708.1	1629.0	1598.7
483.0	482.2	481.5	480.8	40°	1838.6	1766.1	1722.6
502.0	501.5	501.0	500.5	42.5°	1946.7	1879.4	1838.6
517.0	516.5	516.0	515.5	45°	2025.7	1969.1	1926.9
529.0	528.5	528.0	527.5	47.5°	2098.2	2054.7	2012.6
539.0	538.2	537.5	536.8	50°	2189.2	2152.3	2123.3
549.0	548.5	548.0	547.5	52.5°	2311.7	2298.6	2273.5
559.0	558.2	557.5	556.8	55°	2492.3	2521.3	2485.7
566.0	565.2	564.5	563.8	57.5°	2663.6	2684.7	2668.9
569.0	568.2	567.5	566.8	60°	2798.1	2769.1	2749.3
570.0	569.8	569.5	569.2	62.5°	2866.6	2795.4	2762.5
575.0	574.5	574.0	573.5	65°	2870.6	2761.2	2711.1
576.0	576.0	576.0	576.0	67.5°	2780.9	2653.1	2595.1
				70°	2539.7	2392.1	2315.7
				72.5°	2133.8	1907.1	1855.7
				75°	1564.4	1286.3	1256.0
				77.5°	947.6	739.4	699.8
				80°	533.8	424.4	411.2
				82.5°	303.1	238.6	251.7
				85°	123.9	61.9	68.5
				87.5°	0.0	0.0	0.0
				90°	0.0	0.0	0.0
				92.5°	0.0	0.0	0.0
				95°	1.0	1.0	1.0
				97.5°	2.0	2.0	2.0
				100°	8.0	8.0	8.0
				102.5°	28.0	28.0	28.0
				105°	54.0	54.0	54.0
				107.5°	77.0	77.8	78.0
				110°	102.0	101.2	101.0

REPORT NUMBER: P228636

CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-8030-ULG

CANDELA DISTRIBUTION (continued):

	355°	359°	360°
112.5°	124.0	124.0	124.0
115°	147.0	146.2	146.0
117.5°	170.0	169.2	169.0
120°	195.0	193.4	193.0
122.5°	220.0	219.2	219.0
125°	246.0	244.4	244.0
127.5°	269.0	267.4	267.0
130°	292.0	290.4	290.0
132.5°	314.0	313.2	313.0
135°	337.0	336.2	336.0
137.5°	360.0	359.2	359.0
140°	383.0	382.2	382.0
142.5°	406.0	404.4	404.0
145°	426.0	425.2	425.0
147.5°	444.0	444.0	444.0
150°	462.0	461.2	461.0
152.5°	480.0	479.2	479.0
155°	500.0	499.2	499.0
157.5°	515.0	513.4	513.0
160°	527.0	525.4	525.0
162.5°	536.0	535.2	535.0
165°	547.0	546.2	546.0
167.5°	556.0	555.2	555.0
170°	563.0	562.2	562.0
172.5°	566.0	565.2	565.0
175°	569.0	567.4	567.0
177.5°	573.0	572.2	572.0
180°	576.0	576.0	576.0

(END OF REPORT)