

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: P228669

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228669
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29764)
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
Description: IMPACT ELITE LED CYLINDER LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3329 lumens
Efficiency: N/A
Efficacy: 76.5 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 - U0 - G1

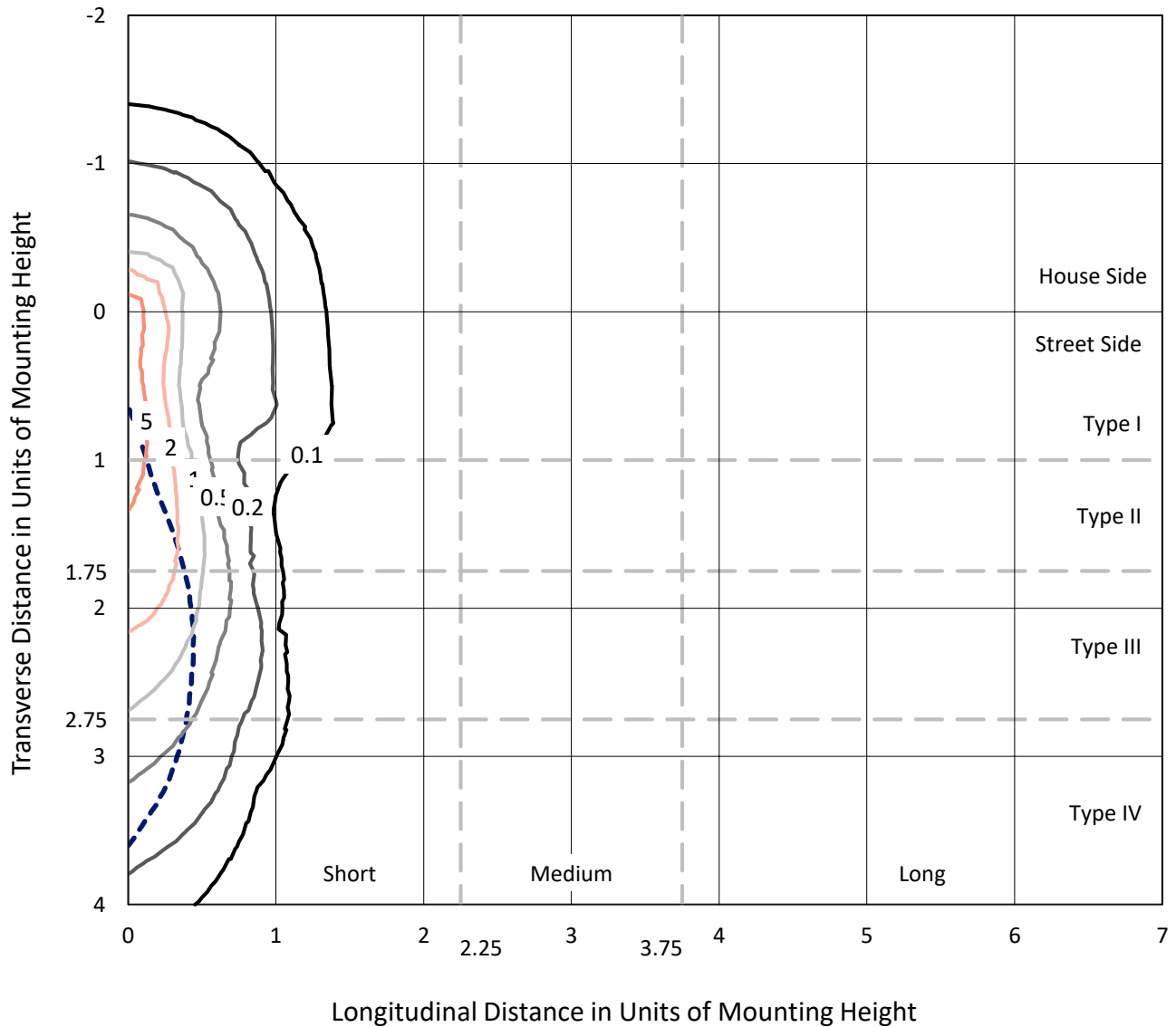
Input Watts (W): 43.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

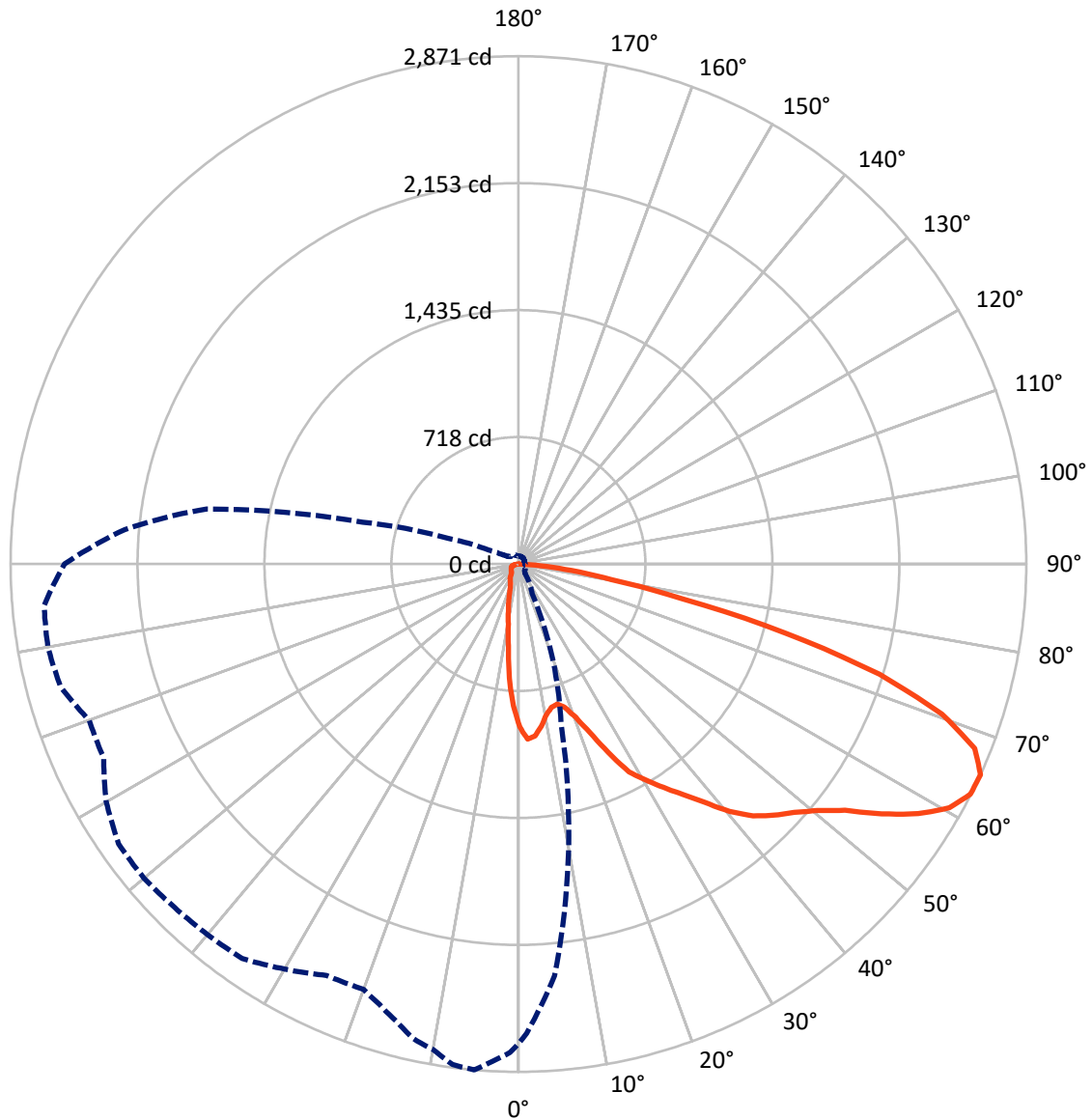
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	553.5	0.0	553.5
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	2775.5	0.0	2775.5
	% Fixture	83.4	0.0	83.4
Total	Lumens	3329.0	0.0	3329.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.7	2.1
10°-20°	145.8	4.4
20°-30°	211.9	6.4
30°-40°	313.4	9.4
40°-50°	456.6	13.7
50°-60°	684.5	20.6
60°-70°	853.0	25.6
70°-80°	499.7	15.0
80°-90°	93.4	2.8
90°-100°	0.0	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°	3329.0	100.0
0°-180°	3329.0	100.0



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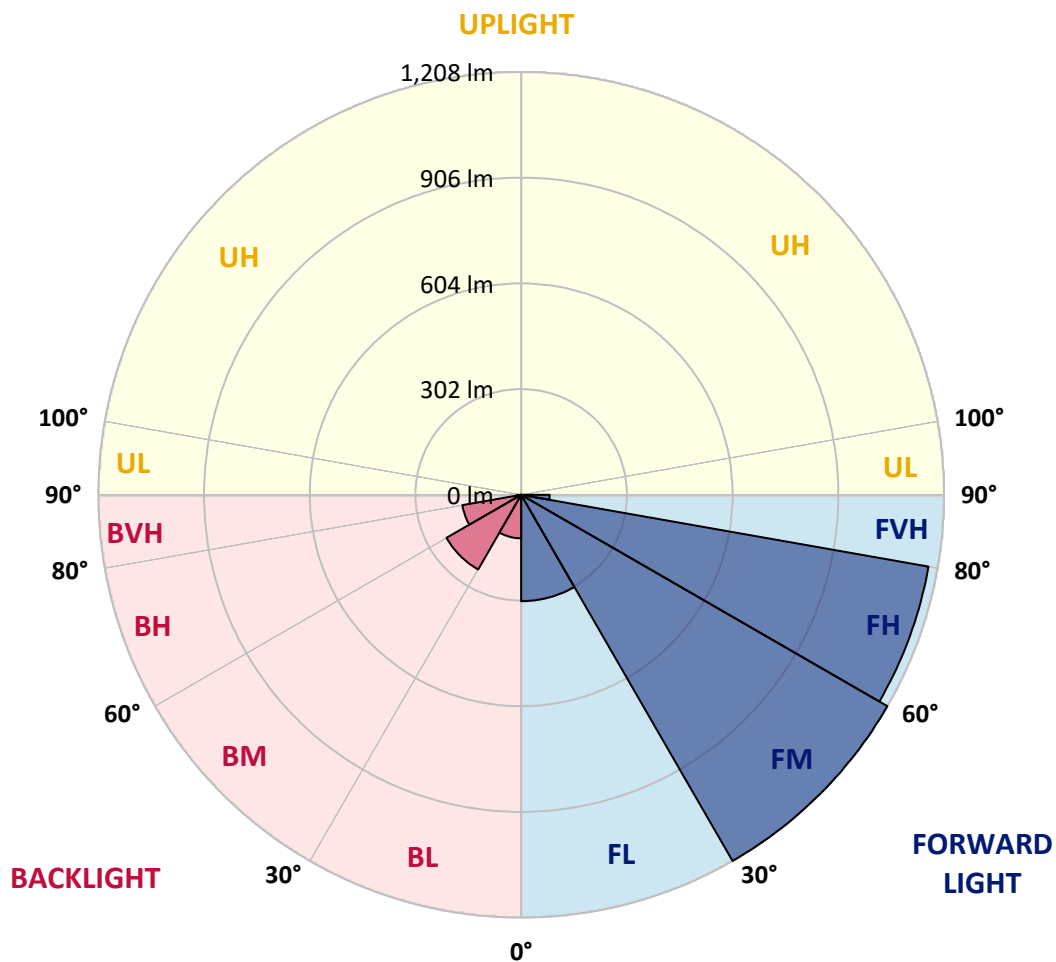
CATALOG NUMBER: ISC-AF-800-LED-E1-SLR-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	304.1	9.1			
FM	(30°-60°)	1208.2	36.3			
FH	(60°-80°)	1181.8	35.5			G1/1800
FVH	(80°-90°)	81.4	2.4			G1/100
BL	(0°-30°)	124.3	3.7	B1/500		
BM	(30°-60°)	246.4	7.4	B1/1000		
BH	(60°-80°)	170.8	5.1	B1/500		G1/500
BVH	(80°-90°)	12.0	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short



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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



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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



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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



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CANDELA DISTRIBUTION (continued):

	115°	117.5°	120°	122.5°	125°	127.5°	130°	135°	145°	155°	165°
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°	751.2	767.1	767.1	756.5	761.8	756.5	755.2	764.4	769.7	786.8	797.4
5°	581.2	601.0	602.3	597.0	603.6	599.7	603.6	615.5	624.7	636.6	647.1
7.5°	415.2	433.6	437.6	433.6	445.5	444.2	446.8	460.0	467.9	474.5	475.8
10°	292.6	295.2	305.8	303.1	311.0	309.7	313.7	324.2	334.8	338.7	341.4
12.5°	220.1	217.5	221.4	216.1	220.1	220.1	221.4	228.0	241.2	246.5	259.6
15°	177.9	175.3	175.3	172.7	172.7	171.3	172.7	177.9	187.2	195.1	205.6
17.5°	151.6	151.6	151.6	150.2	148.9	148.9	150.2	152.9	158.2	163.4	168.7
20°	135.8	138.4	139.7	141.0	142.3	143.7	145.0	148.9	147.6	142.3	135.8
22.5°	118.6	118.6	119.9	119.9	118.6	118.6	118.6	118.6	118.6	122.6	126.5
25°	98.8	98.8	98.8	100.2	98.8	98.8	100.2	100.2	101.5	104.1	108.1
27.5°	89.6	89.6	89.6	89.6	89.6	89.6	89.6	90.9	92.3	96.2	98.8
30°	83.0	83.0	81.7	81.7	81.7	80.4	81.7	81.7	83.0	88.3	92.3
32.5°	76.4	75.1	75.1	75.1	73.8	73.8	73.8	76.4	77.8	80.4	84.4
35°	67.2	67.2	67.2	68.5	68.5	68.5	68.5	71.2	71.2	72.5	72.5
37.5°	60.6	60.6	61.9	63.3	63.3	64.6	64.6	65.9	67.2	65.9	64.6
40°	55.4	56.7	56.7	59.3	59.3	59.3	60.6	61.9	63.3	60.6	60.6
42.5°	52.7	52.7	52.7	54.0	54.0	54.0	55.4	56.7	58.0	58.0	58.0
45°	50.1	50.1	50.1	51.4	50.1	50.1	50.1	51.4	54.0	54.0	55.4
47.5°	48.8	48.8	48.8	47.4	47.4	47.4	47.4	48.8	50.1	52.7	54.0
50°	47.4	46.1	46.1	46.1	46.1	46.1	46.1	47.4	48.8	50.1	52.7
52.5°	44.8	44.8	44.8	44.8	44.8	44.8	44.8	46.1	47.4	48.8	50.1
55°	44.8	44.8	43.5	43.5	44.8	44.8	44.8	46.1	47.4	48.8	48.8
57.5°	43.5	42.2	42.2	43.5	43.5	43.5	43.5	44.8	46.1	47.4	47.4
60°	40.9	40.9	40.9	40.9	42.2	42.2	43.5	44.8	44.8	46.1	46.1
62.5°	38.2	39.5	39.5	39.5	40.9	40.9	42.2	43.5	44.8	46.1	44.8
65°	36.9	38.2	38.2	38.2	39.5	39.5	39.5	42.2	43.5	43.5	44.8
67.5°	35.6	35.6	35.6	36.9	36.9	38.2	38.2	40.9	40.9	42.2	43.5
70°	32.9	32.9	32.9	34.3	34.3	35.6	36.9	38.2	38.2	39.5	40.9
72.5°	30.3	30.3	30.3	31.6	31.6	32.9	34.3	36.9	35.6	36.9	36.9
75°	26.4	26.4	27.7	27.7	29.0	30.3	31.6	31.6	31.6	31.6	31.6
77.5°	22.4	22.4	23.7	23.7	25.0	26.4	26.4	26.4	27.7	26.4	26.4
80°	18.5	18.5	19.8	19.8	19.8	19.8	21.1	19.8	21.1	19.8	21.1
82.5°	13.2	13.2	14.5	13.2	14.5	13.2	13.2	11.9	14.5	13.2	13.2
85°	5.3	6.6	6.6	6.6	6.6	5.3	5.3	4.0	5.3	5.3	4.0
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



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CANDELA DISTRIBUTION (continued):

	175°	180°	185°	195°	205°	215°	225°	230°	235°	240°	245°
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°	801.3	800.0	819.8	834.3	843.5	879.1	894.9	914.7	923.9	937.1	950.3
5°	648.4	645.8	669.5	688.0	703.8	755.2	785.5	813.2	835.6	856.7	887.0
7.5°	463.9	458.7	474.5	490.3	511.4	566.7	619.4	656.4	689.3	724.9	764.4
10°	342.7	346.6	362.4	386.2	413.8	456.0	498.2	524.6	553.6	593.1	640.5
12.5°	274.1	290.0	303.1	332.1	365.1	412.5	457.3	478.4	499.5	519.3	544.3
15°	220.1	229.3	239.9	267.5	307.1	362.4	415.2	438.9	463.9	487.7	510.1
17.5°	170.0	174.0	179.2	199.0	234.6	300.5	358.5	388.8	417.8	450.7	481.1
20°	135.8	135.8	137.1	146.3	171.3	222.7	293.9	332.1	369.0	411.2	454.7
22.5°	118.6	117.3	118.6	122.6	134.4	164.7	229.3	274.1	321.6	374.3	428.3
25°	112.0	110.7	109.4	112.0	118.6	133.1	179.2	226.7	275.5	338.7	404.6
27.5°	101.5	102.8	104.1	106.8	112.0	119.9	148.9	184.5	238.6	308.4	387.5
30°	94.9	96.2	97.5	100.2	109.4	118.6	135.8	158.2	204.3	272.8	361.1
32.5°	87.0	88.3	89.6	90.9	93.6	104.1	116.0	134.4	174.0	241.2	333.4
35°	71.2	71.2	72.5	76.4	81.7	92.3	104.1	118.6	155.5	220.1	316.3
37.5°	65.9	65.9	67.2	71.2	76.4	85.7	96.2	109.4	147.6	212.2	300.5
40°	61.9	63.3	63.3	67.2	72.5	83.0	89.6	105.4	143.7	200.3	284.7
42.5°	59.3	59.3	60.6	64.6	71.2	79.1	88.3	102.8	133.1	189.8	275.5
45°	56.7	58.0	58.0	61.9	69.9	76.4	89.6	97.5	126.5	181.9	267.5
47.5°	55.4	55.4	56.7	60.6	68.5	77.8	87.0	92.3	119.9	175.3	261.0
50°	52.7	54.0	55.4	59.3	67.2	85.7	83.0	88.3	114.7	170.0	257.0
52.5°	51.4	52.7	54.0	58.0	67.2	87.0	80.4	83.0	110.7	164.7	254.4
55°	50.1	50.1	51.4	56.7	67.2	80.4	75.1	80.4	102.8	156.8	247.8
57.5°	47.4	48.8	50.1	54.0	65.9	73.8	71.2	76.4	94.9	143.7	238.6
60°	47.4	47.4	48.8	52.7	65.9	65.9	67.2	72.5	85.7	127.8	222.7
62.5°	46.1	46.1	47.4	52.7	67.2	59.3	63.3	68.5	79.1	114.7	203.0
65°	44.8	44.8	46.1	50.1	58.0	56.7	60.6	64.6	76.4	105.4	185.8
67.5°	42.2	42.2	43.5	47.4	51.4	52.7	58.0	61.9	75.1	104.1	170.0
70°	39.5	39.5	39.5	43.5	46.1	50.1	54.0	59.3	75.1	102.8	158.2
72.5°	36.9	35.6	36.9	39.5	42.2	44.8	48.8	55.4	73.8	104.1	152.9
75°	31.6	31.6	31.6	34.3	36.9	39.5	43.5	51.4	69.9	97.5	137.1
77.5°	26.4	26.4	25.0	29.0	31.6	32.9	36.9	44.8	60.6	83.0	110.7
80°	19.8	18.5	18.5	22.4	23.7	26.4	29.0	34.3	47.4	60.6	81.7
82.5°	11.9	10.5	10.5	14.5	15.8	17.1	22.4	25.0	31.6	39.5	55.4
85°	4.0	4.0	4.0	6.6	7.9	9.2	13.2	14.5	19.8	25.0	29.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.6	4.0	6.6	7.9	6.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P228669
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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	250°	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	
0°	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	0°
2.5°	966.1	979.3	996.4	1012.2	1024.1	1034.6	1047.8	1047.8	1063.6	1068.9	1079.4	2.5°
5°	910.7	935.8	972.7	1003.0	1039.9	1075.5	1108.4	1126.9	1158.5	1179.6	1200.7	5°
7.5°	798.7	833.0	879.1	921.3	975.3	1033.3	1087.3	1137.4	1190.1	1234.9	1267.9	7.5°
10°	681.4	728.8	777.6	831.6	889.6	951.6	1017.5	1084.7	1148.0	1211.2	1265.3	10°
12.5°	585.2	639.2	694.6	761.8	829.0	894.9	972.7	1030.7	1096.6	1159.8	1212.5	12.5°
15°	544.3	591.8	656.4	730.2	801.3	868.5	941.0	1000.3	1062.3	1113.7	1150.6	15°
17.5°	527.2	587.8	661.6	739.4	815.8	897.5	962.1	1012.2	1058.3	1082.1	1087.3	17.5°
20°	508.7	591.8	690.6	785.5	879.1	964.8	1012.2	1045.2	1053.1	1051.7	1032.0	20°
22.5°	498.2	605.0	727.5	860.6	977.9	1078.1	1111.1	1104.5	1071.5	1029.3	996.4	22.5°
25°	495.6	635.3	790.8	967.4	1111.1	1211.2	1229.7	1192.8	1119.0	1037.2	981.9	25°
27.5°	498.2	669.5	869.9	1082.1	1250.8	1353.6	1347.0	1291.6	1186.2	1071.5	983.2	27.5°
30°	486.3	705.1	948.9	1182.2	1349.6	1435.3	1408.9	1325.9	1208.6	1093.9	1000.3	30°
32.5°	466.6	731.5	1018.8	1262.6	1452.4	1517.0	1469.5	1379.9	1258.7	1141.4	1045.2	32.5°
35°	444.2	743.3	1068.9	1337.7	1563.1	1597.4	1520.9	1430.0	1319.3	1200.7	1096.6	35°
37.5°	420.4	744.7	1116.3	1416.8	1669.9	1684.4	1573.7	1476.1	1368.1	1261.3	1166.4	37.5°
40°	407.3	739.4	1165.1	1514.4	1784.5	1764.8	1629.0	1514.4	1407.6	1325.9	1248.1	40°
42.5°	402.0	730.2	1200.7	1588.2	1883.4	1839.9	1680.4	1552.6	1456.4	1387.8	1333.8	42.5°
45°	402.0	720.9	1233.6	1643.5	1957.2	1900.5	1729.2	1589.5	1503.8	1461.6	1435.3	45°
47.5°	403.3	724.9	1273.2	1733.1	2020.5	1958.5	1767.4	1643.5	1569.7	1553.9	1563.1	47.5°
50°	409.9	769.7	1340.4	1832.0	2099.5	2020.5	1818.8	1704.1	1659.3	1675.1	1727.9	50°
52.5°	420.4	840.9	1456.4	1949.3	2222.1	2119.3	1904.5	1791.1	1770.0	1826.7	1926.9	52.5°
55°	431.0	913.4	1607.9	2145.7	2419.8	2298.6	2056.0	1942.7	1917.7	2004.6	2148.3	55°
57.5°	440.2	967.4	1755.5	2340.7	2591.1	2498.9	2256.4	2119.3	2108.8	2202.3	2359.2	57.5°
60°	449.4	1009.6	1841.2	2427.7	2668.9	2659.7	2463.3	2336.8	2321.0	2407.9	2556.9	60°
62.5°	444.2	993.8	1864.9	2384.2	2662.3	2738.8	2632.0	2542.4	2488.3	2560.8	2705.8	62.5°
65°	424.4	910.7	1789.8	2234.0	2566.1	2691.3	2700.5	2679.4	2581.9	2587.2	2690.0	65°
67.5°	370.4	765.7	1559.2	1996.7	2377.6	2526.6	2682.1	2675.5	2551.6	2442.2	2463.3	67.5°
70°	307.1	601.0	1271.8	1700.2	2110.1	2237.9	2485.7	2535.8	2359.2	2154.9	2058.7	70°
72.5°	258.3	449.4	977.9	1316.7	1691.0	1839.9	2207.6	2277.5	2036.3	1749.0	1600.0	72.5°
75°	214.8	317.6	688.0	906.8	1166.4	1362.8	1926.9	1933.5	1652.7	1376.0	1215.2	75°
77.5°	159.5	216.1	498.2	633.9	801.3	970.0	1557.8	1575.0	1311.4	1043.8	905.5	77.5°
80°	106.8	133.1	317.6	442.8	539.1	649.8	1142.7	1070.2	865.9	723.6	688.0	80°
82.5°	64.6	77.8	183.2	309.7	340.0	404.6	718.3	670.9	570.7	521.9	535.1	82.5°
85°	35.6	48.8	112.0	203.0	158.2	221.4	392.8	383.5	359.8	315.0	274.1	85°
87.5°	9.2	10.5	25.0	9.2	4.0	11.9	76.4	50.1	50.1	29.0	10.5	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°

NUMBER: P228669
 NUMBER: ISC-AF-800-LED-E1-SLR-8030

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

305°	310°	315°	325°	335°	340°	342.5°	345°	347.5°	350°	352.5°	355°
921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	0° 921.3
1070.2	1074.2	1072.8	1063.6	1039.9	1030.7	1026.7	1016.2	1004.3	1004.3	993.8	2.5° 991.1
1199.4	1205.9	1198.0	1175.6	1115.0	1086.0	1068.9	1047.8	1030.7	1014.8	999.0	5° 976.6
1290.3	1295.6	1282.4	1231.0	1122.9	1074.2	1047.8	1022.8	1001.7	974.0	948.9	7.5° 926.5
1307.4	1319.3	1304.8	1231.0	1105.8	1045.2	1016.2	988.5	958.2	929.2	893.6	10° 865.9
1258.7	1283.7	1273.2	1219.1	1097.9	1033.3	999.0	966.1	929.2	898.9	858.0	12.5° 831.6
1183.5	1186.2	1192.8	1191.5	1083.4	1020.1	985.8	951.6	918.6	889.6	854.0	15° 821.1
1100.5	1097.9	1105.8	1130.8	1079.4	1029.3	1006.9	974.0	950.3	917.3	889.6	17.5° 852.7
1025.4	1021.4	1029.3	1054.4	1063.6	1051.7	1042.5	1022.8	1004.3	983.2	960.8	20° 925.2
977.9	964.8	963.4	1000.3	1071.5	1103.1	1109.7	1107.1	1105.8	1090.0	1074.2	22.5° 1033.3
951.6	937.1	943.7	985.8	1104.5	1163.8	1194.1	1204.6	1219.1	1219.1	1219.1	25° 1179.6
943.7	927.9	937.1	984.5	1138.7	1237.6	1281.1	1307.4	1335.1	1347.0	1354.9	27.5° 1329.8
948.9	933.1	937.1	993.8	1155.9	1254.7	1306.1	1344.3	1387.8	1416.8	1436.6	30° 1416.8
979.3	951.6	948.9	1021.4	1187.5	1292.9	1347.0	1390.5	1439.2	1472.2	1507.8	32.5° 1505.1
1020.1	980.6	975.3	1066.2	1228.4	1341.7	1395.7	1434.0	1484.0	1528.9	1580.3	35° 1598.7
1088.6	1039.9	1032.0	1141.4	1283.7	1382.6	1436.6	1486.7	1540.7	1598.7	1664.6	37.5° 1708.1
1180.9	1132.1	1132.1	1237.6	1358.8	1439.2	1498.5	1551.3	1610.6	1688.3	1768.7	40° 1838.6
1285.0	1253.4	1258.7	1353.6	1444.5	1510.4	1567.1	1623.7	1685.7	1763.5	1857.0	42.5° 1946.7
1423.4	1406.3	1432.6	1499.9	1531.5	1576.3	1626.4	1676.5	1743.7	1824.1	1930.8	45° 2025.7
1585.5	1600.0	1636.9	1658.0	1619.8	1643.5	1683.1	1729.2	1808.3	1890.0	1995.4	47.5° 2098.2
1788.5	1826.7	1862.3	1857.0	1729.2	1721.3	1758.2	1793.8	1872.8	1966.4	2078.4	50° 2189.2
2021.8	2071.9	2096.9	2067.9	1851.8	1805.6	1835.9	1884.7	1971.7	2078.4	2203.7	52.5° 2311.7
2259.0	2319.6	2311.7	2278.8	1984.9	1922.9	1941.4	1999.4	2106.1	2227.4	2385.5	55° 2492.3
2473.8	2521.3	2542.4	2471.2	2147.0	2065.3	2086.4	2147.0	2260.3	2396.1	2558.2	57.5° 2663.6
2643.9	2695.3	2695.3	2625.4	2323.6	2228.7	2264.3	2323.6	2421.1	2555.6	2707.1	60° 2798.1
2767.8	2808.6	2794.1	2726.9	2475.2	2402.7	2430.3	2512.1	2600.4	2700.5	2820.5	62.5° 2866.6
2758.5	2762.5	2746.7	2721.6	2566.1	2558.2	2610.9	2674.2	2748.0	2786.2	2853.4	65° 2870.6
2498.9	2500.2	2531.8	2521.3	2497.6	2595.1	2663.6	2716.4	2780.9	2780.9	2773.0	67.5° 2780.9
2048.1	2069.2	2123.3	2107.4	2228.7	2429.0	2508.1	2588.5	2645.2	2645.2	2578.0	70° 2539.7
1559.2	1572.3	1636.9	1622.4	1787.2	2007.3	2181.3	2315.7	2371.0	2405.3	2319.6	72.5° 2133.8
1134.8	1133.5	1161.1	1140.1	1348.3	1593.4	1772.7	1940.1	2031.0	2060.0	1904.5	75° 1564.4
873.8	850.1	844.8	847.5	955.5	1158.5	1300.8	1407.6	1419.5	1423.4	1213.9	77.5° 947.6
705.1	705.1	697.2	668.2	585.2	677.4	749.9	834.3	864.6	908.1	727.5	80° 533.8
562.8	540.4	500.8	444.2	375.6	400.7	434.9	466.6	518.0	536.4	442.8	82.5° 303.1
280.7	272.8	238.6	197.7	164.7	218.8	243.8	246.5	246.5	228.0	185.8	85° 123.9
1.3	0.0	0.0	0.0	0.0	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	0.0	90° 0.0

'228669
ISC-AF-800-LED-E1-SLR-8030

TION (continued):

359°	360°
921.3	921.3
975.3	977.9
954.2	946.3
888.3	876.5
817.1	807.9
776.3	764.4
768.4	755.2
796.1	780.2
858.0	839.6
956.9	934.4
1092.6	1070.2
1225.7	1196.7
1320.6	1291.6
1412.9	1378.6
1505.1	1470.9
1629.0	1598.7
1766.1	1722.6
1879.4	1838.6
1969.1	1926.9
2054.7	2012.6
2152.3	2123.3
2298.6	2273.5
2521.3	2485.7
2684.7	2668.9
2769.1	2749.3
2795.4	2762.5
2761.2	2711.1
2653.1	2595.1
2392.1	2315.7
1907.1	1855.7
1286.3	1256.0
739.4	699.8
424.4	411.2
238.6	251.7
61.9	68.5
0.0	0.0
0.0	0.0

(END OF REPORT)