

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: P228613

Luminaire Tested: **ISS-AF-600-LED-E1-SLR-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P228613  
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: ISS-AF-600-LED-E1-SLR-7050  
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE  
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (16) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

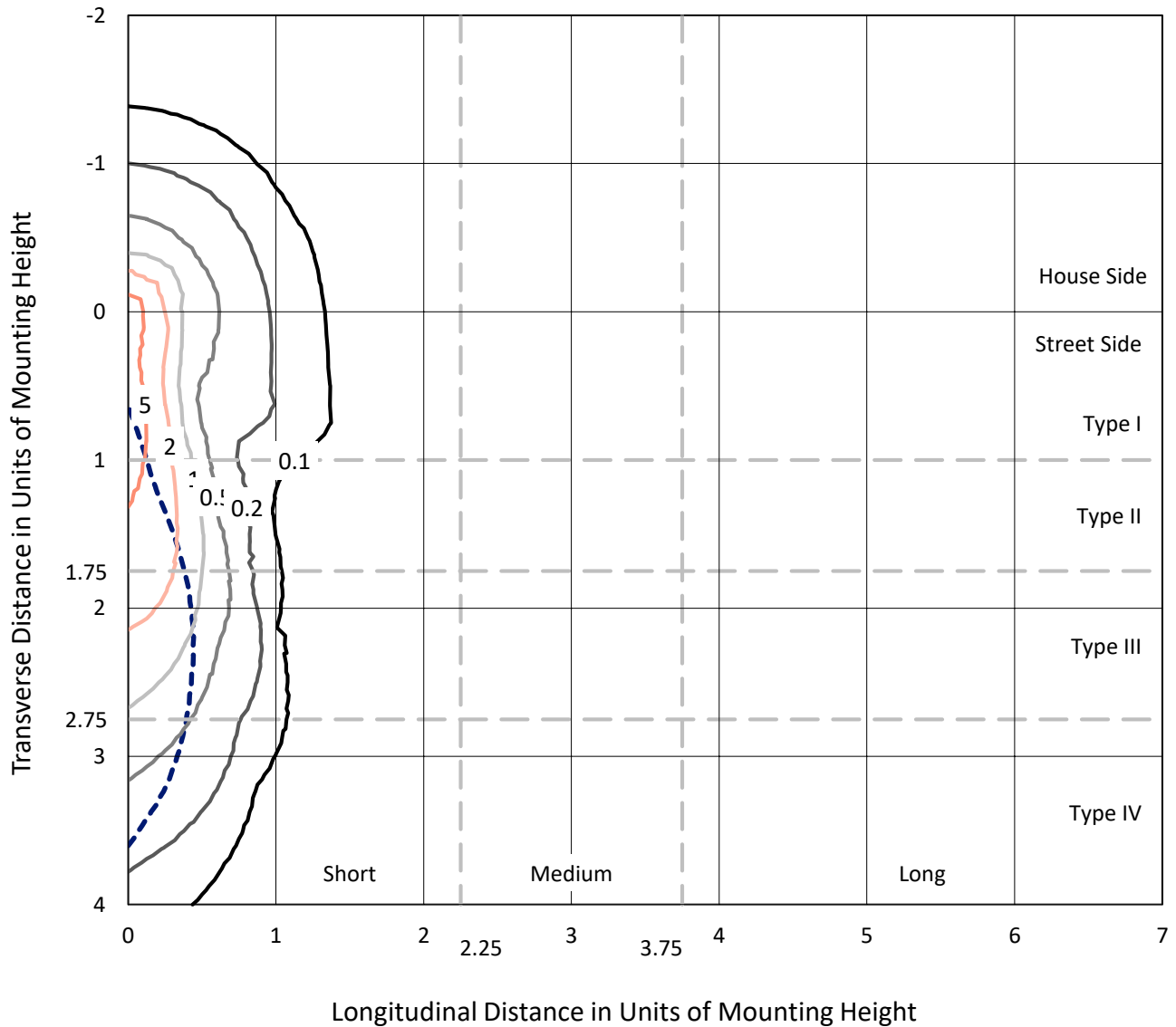
Lumens per Lamp: N/A  
Luminaire Lumens: 3259 lumens  
Efficiency: N/A  
Efficacy: 96.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 33.7  
Input Voltage (V): 120  
Input Current (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: P228613  
 CATALOG NUMBER: ISS-AF-600-LED-E1-SLR-7050

### Iso-Footcandle Lines of Horizontal Illumination

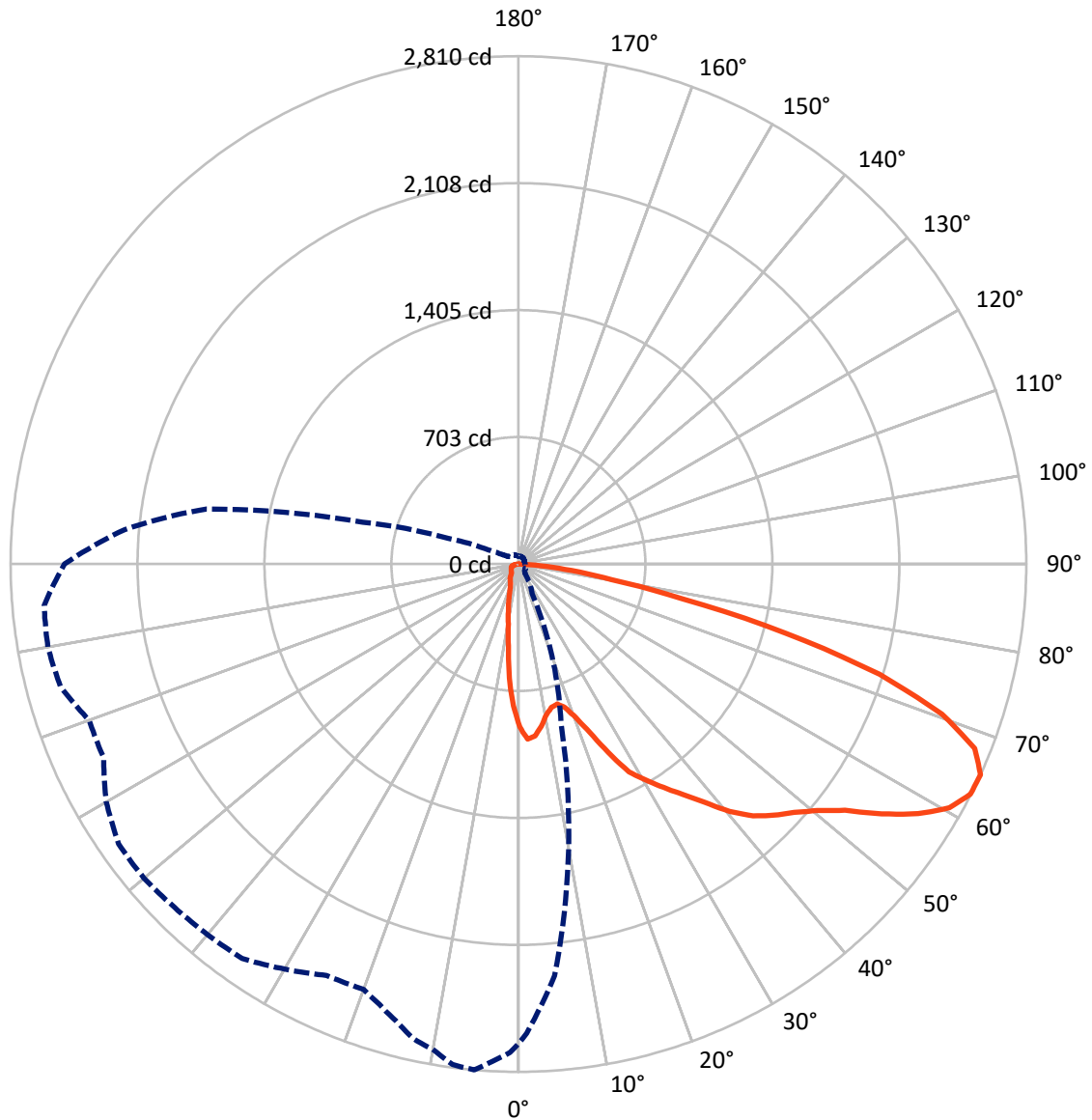
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9 fc  
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P228613  
CATALOG NUMBER: ISS-AF-600-LED-E1-SLR-7050

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P228613

CATALOG NUMBER: ISS-AF-600-LED-E1-SLR-7050

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	541.9	0.0	541.9
	% Fixture	16.6	0.0	16.6
<b>Street Side</b>	Lumens	2717.1	0.0	2717.1
	% Fixture	83.4	0.0	83.4
<b>Total</b>	Lumens	3259.0	0.0	3259.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.2	2.1
10°-20°	142.7	4.4
20°-30°	207.4	6.4
30°-40°	306.8	9.4
40°-50°	447.0	13.7
50°-60°	670.1	20.6
60°-70°	835.0	25.6
70°-80°	489.2	15.0
80°-90°	91.5	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°	3259.0	100.0
0°-180°	3259.0	100.0



REPORT NUMBER: P228613

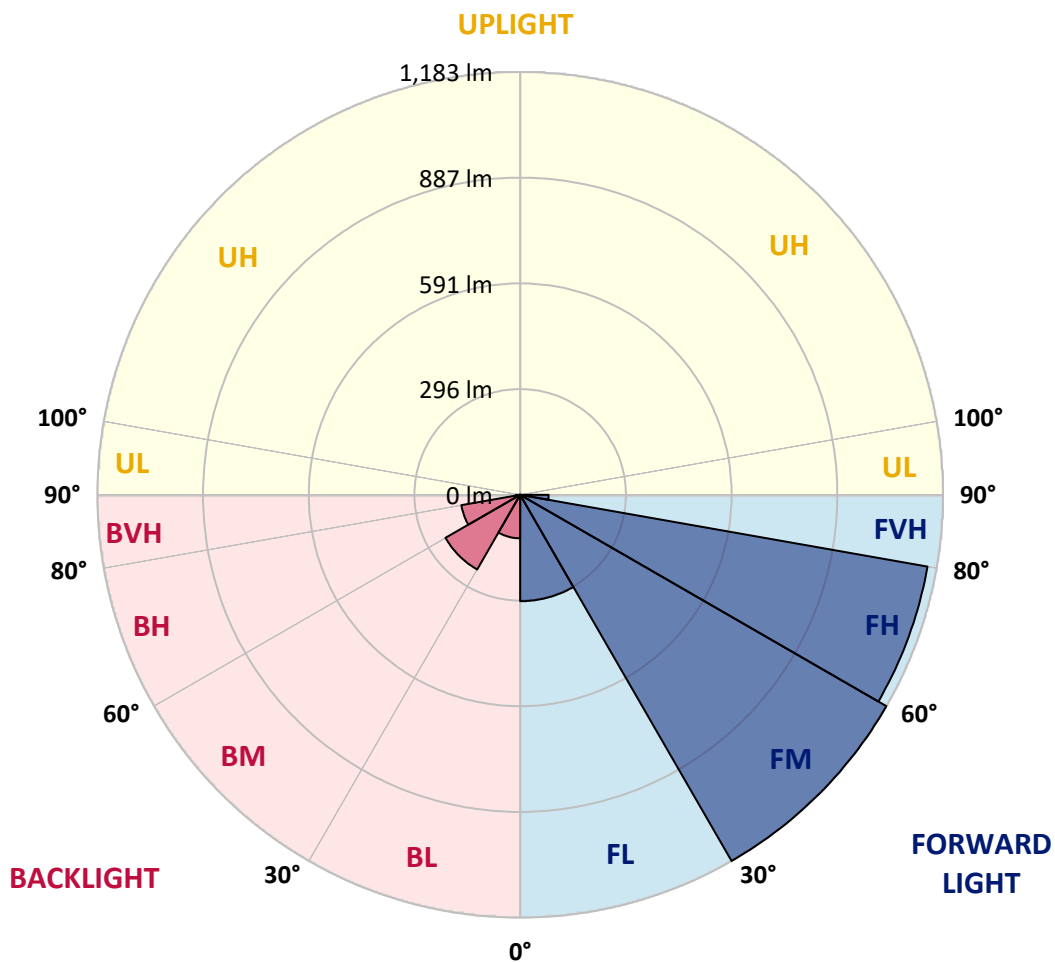
CATALOG NUMBER: ISS-AF-600-LED-E1-SLR-7050

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	297.7	9.1			
FM	(30°-60°)	1182.8	36.3			
FH	(60°-80°)	1156.9	35.5			G1/1800
FVH	(80°-90°)	79.7	2.4			G1/100
BL	(0°-30°)	121.7	3.7	B1/500		
BM	(30°-60°)	241.2	7.4	B1/1000		
BH	(60°-80°)	167.3	5.1	B1/500		G1/500
BVH	(80°-90°)	11.8	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





REPORT NUMBER: P228613

CATALOG NUMBER: ISS-AF-600-LED-E1-SLR-7050

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°
0°	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9
2.5°	957.4	949.6	934.2	903.2	870.9	840.0	834.8	823.2	824.5	818.0	815.4
5°	926.4	916.1	883.8	819.3	763.8	707.1	703.2	680.0	682.5	668.4	660.6
7.5°	858.0	843.8	807.7	718.7	641.3	566.4	558.7	531.6	527.7	513.5	501.9
10°	790.9	776.7	731.6	629.6	540.6	485.1	476.1	463.2	452.9	446.4	434.8
12.5°	748.4	740.6	686.4	569.0	499.3	454.2	442.6	429.7	419.3	407.7	396.1
15°	739.3	723.8	668.4	549.7	468.4	412.9	398.7	384.5	372.9	361.3	344.5
17.5°	763.8	748.4	686.4	540.6	433.5	366.4	348.4	329.0	317.4	303.2	285.1
20°	821.9	797.4	721.3	527.7	396.1	312.2	290.3	267.1	254.2	229.7	216.8
22.5°	914.8	883.8	780.6	527.7	361.3	255.5	231.0	210.3	196.1	174.2	160.0
25°	1047.7	1020.6	877.4	541.9	330.3	207.7	183.2	162.6	148.4	132.9	123.9
27.5°	1171.6	1129.0	980.6	562.6	305.8	174.2	149.7	132.9	122.6	114.8	109.7
30°	1264.5	1229.6	1070.9	576.7	269.7	145.8	130.3	120.0	114.8	111.0	108.4
32.5°	1349.6	1309.6	1135.4	585.8	247.7	123.9	109.7	101.9	96.8	91.6	90.3
35°	1439.9	1401.2	1211.6	584.5	233.5	113.5	99.4	90.3	85.2	83.9	81.3
37.5°	1565.1	1512.2	1299.3	584.5	228.4	109.7	92.9	83.9	80.0	77.4	76.1
40°	1686.4	1627.0	1396.1	588.4	223.2	107.1	92.9	83.9	77.4	74.8	72.3
42.5°	1799.9	1734.1	1483.8	594.8	220.6	99.4	87.7	82.6	80.0	74.8	71.0
45°	1886.4	1834.8	1552.2	607.7	220.6	94.2	82.6	78.7	77.4	77.4	76.1
47.5°	1970.2	1912.2	1630.9	632.2	224.5	90.3	78.7	73.5	73.5	73.5	74.8
50°	2078.6	2010.2	1739.3	682.5	224.5	89.0	74.8	69.7	68.4	71.0	71.0
52.5°	2225.7	2176.7	1898.0	754.8	221.9	87.7	73.5	65.8	64.5	65.8	68.4
55°	2433.4	2378.0	2090.2	843.8	219.3	85.2	71.0	64.5	61.9	60.6	61.9
57.5°	2612.8	2565.0	2267.0	914.8	212.9	78.7	68.4	63.2	59.4	58.1	56.8
60°	2691.5	2651.5	2380.5	962.5	201.3	72.3	64.5	60.6	56.8	55.5	54.2
62.5°	2704.4	2654.1	2381.8	972.9	188.4	65.8	60.6	56.8	54.2	52.9	51.6
65°	2654.1	2597.3	2287.6	909.6	178.1	65.8	58.1	54.2	50.3	49.0	47.7
67.5°	2540.5	2452.8	2048.9	771.6	169.0	67.1	56.8	50.3	47.7	46.4	45.2
70°	2267.0	2168.9	1730.2	612.9	165.2	68.4	56.8	47.7	43.9	42.6	42.6
72.5°	1816.7	1704.4	1349.6	461.9	158.7	69.7	55.5	45.2	41.3	38.7	38.7
75°	1229.6	1131.6	914.8	312.2	131.6	60.6	50.3	41.3	36.1	33.5	32.3
77.5°	685.1	652.9	581.9	165.2	83.9	45.2	38.7	33.5	29.7	28.4	27.1
80°	402.6	385.8	343.2	91.6	51.6	25.8	23.2	21.9	19.4	19.4	19.4
82.5°	246.4	229.7	212.9	41.3	24.5	12.9	12.9	10.3	10.3	9.0	9.0
85°	67.1	61.9	86.4	9.0	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



REPORT NUMBER: P228613

CATALOG NUMBER: ISS-AF-600-LED-E1-SLR-7050

**CANDELA DISTRIBUTION (continued):**

	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°
0°	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9
2.5°	805.1	802.5	802.5	783.2	783.2	772.9	770.3	770.3	774.2	771.6	756.1
5°	647.7	640.0	634.8	611.6	605.1	593.5	588.4	587.1	590.9	584.5	563.8
7.5°	487.7	481.3	473.5	455.5	447.7	446.4	430.9	427.1	424.5	419.3	406.4
10°	425.8	416.8	410.3	397.4	388.4	381.9	369.0	362.6	357.4	349.7	345.8
12.5°	383.2	374.2	365.1	348.4	336.8	329.0	321.3	308.4	303.2	294.2	289.0
15°	330.3	320.0	309.7	291.6	276.1	268.4	252.9	245.2	240.0	229.7	224.5
17.5°	265.8	251.6	240.0	223.2	215.5	202.6	193.5	180.6	170.3	166.4	162.6
20°	200.0	187.1	176.8	162.6	154.8	144.5	139.3	130.3	125.2	122.6	120.0
22.5°	147.1	136.8	130.3	122.6	118.7	114.8	112.3	109.7	107.1	105.8	105.8
25°	116.1	112.3	109.7	107.1	105.8	104.5	101.9	100.6	99.4	98.1	98.1
27.5°	105.8	103.2	101.9	100.6	99.4	96.8	96.8	94.2	92.9	92.9	91.6
30°	107.1	107.1	107.1	104.5	103.2	100.6	99.4	95.5	92.9	90.3	89.0
32.5°	87.7	87.7	86.4	83.9	82.6	81.3	81.3	78.7	77.4	77.4	80.0
35°	80.0	78.7	77.4	74.8	73.5	71.0	69.7	68.4	67.1	65.8	65.8
37.5°	76.1	74.8	73.5	71.0	69.7	68.4	67.1	64.5	63.2	63.2	61.9
40°	72.3	72.3	72.3	69.7	68.4	65.8	64.5	63.2	61.9	60.6	60.6
42.5°	69.7	69.7	69.7	68.4	67.1	65.8	63.2	61.9	60.6	59.4	58.1
45°	71.0	69.7	69.7	68.4	67.1	64.5	63.2	60.6	59.4	58.1	56.8
47.5°	76.1	74.8	72.3	69.7	67.1	64.5	61.9	59.4	58.1	56.8	55.5
50°	72.3	77.4	78.7	74.8	68.4	64.5	61.9	59.4	56.8	55.5	54.2
52.5°	71.0	72.3	77.4	77.4	71.0	65.8	61.9	59.4	56.8	54.2	52.9
55°	64.5	68.4	69.7	71.0	69.7	64.5	60.6	56.8	55.5	52.9	50.3
57.5°	56.8	59.4	60.6	63.2	64.5	63.2	58.1	54.2	52.9	50.3	47.7
60°	52.9	52.9	52.9	54.2	60.6	65.8	60.6	52.9	49.0	47.7	45.2
62.5°	49.0	49.0	47.7	49.0	50.3	56.8	55.5	50.3	47.7	46.4	43.9
65°	47.7	46.4	45.2	45.2	45.2	45.2	45.2	45.2	43.9	43.9	42.6
67.5°	43.9	42.6	42.6	41.3	41.3	41.3	41.3	41.3	40.0	40.0	38.7
70°	41.3	40.0	38.7	38.7	38.7	37.4	37.4	37.4	36.1	36.1	36.1
72.5°	37.4	36.1	36.1	36.1	34.8	34.8	34.8	33.5	33.5	32.3	32.3
75°	32.3	32.3	31.0	31.0	31.0	29.7	29.7	29.7	29.7	28.4	28.4
77.5°	27.1	25.8	27.1	25.8	25.8	25.8	25.8	25.8	24.5	24.5	23.2
80°	18.1	18.1	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	18.1
82.5°	10.3	9.0	10.3	10.3	10.3	11.6	11.6	12.9	11.6	11.6	10.3
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





REPORT NUMBER: P228613

CATALOG NUMBER: ISS-AF-600-LED-E1-SLR-7050

**CANDELA DISTRIBUTION (continued):**

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°
0°	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9
2.5°	763.8	762.5	749.6	752.2	748.4	740.6	741.9	743.2	745.8	740.6	738.0
5°	574.2	575.5	558.7	563.8	560.0	558.7	562.6	569.0	572.9	571.6	567.7
7.5°	407.7	409.0	394.8	393.5	389.7	388.4	393.5	400.0	403.9	402.6	403.9
10°	336.8	332.9	320.0	311.0	301.9	294.2	292.9	292.9	292.9	290.3	287.7
12.5°	278.7	274.8	259.3	251.6	243.9	233.5	232.2	231.0	227.1	223.2	218.1
15°	216.8	212.9	200.0	194.8	188.4	184.5	183.2	183.2	180.6	178.1	175.5
17.5°	157.4	154.8	147.1	141.9	140.6	141.9	143.2	145.8	147.1	148.4	148.4
20°	118.7	117.4	114.8	114.8	116.1	120.0	121.3	125.2	126.4	129.0	131.6
22.5°	104.5	104.5	103.2	103.2	105.8	109.7	112.3	113.5	114.8	116.1	116.1
25°	96.8	96.8	95.5	98.1	101.9	101.9	101.9	101.9	99.4	98.1	98.1
27.5°	91.6	91.6	91.6	92.9	91.6	90.3	90.3	90.3	89.0	89.0	87.7
30°	87.7	87.7	87.7	86.4	86.4	85.2	85.2	83.9	83.9	82.6	82.6
32.5°	81.3	78.7	81.3	78.7	78.7	77.4	78.7	78.7	76.1	76.1	76.1
35°	64.5	63.2	63.2	63.2	61.9	63.2	65.8	65.8	65.8	65.8	65.8
37.5°	60.6	60.6	59.4	58.1	58.1	56.8	58.1	56.8	56.8	56.8	58.1
40°	59.4	58.1	56.8	56.8	55.5	54.2	54.2	54.2	54.2	54.2	54.2
42.5°	56.8	56.8	54.2	52.9	52.9	51.6	51.6	51.6	51.6	51.6	51.6
45°	55.5	54.2	52.9	51.6	50.3	50.3	50.3	50.3	50.3	50.3	49.0
47.5°	54.2	52.9	51.6	50.3	49.0	47.7	47.7	47.7	47.7	47.7	47.7
50°	52.9	51.6	49.0	49.0	47.7	46.4	46.4	46.4	46.4	46.4	46.4
52.5°	50.3	50.3	47.7	46.4	45.2	45.2	45.2	45.2	45.2	45.2	45.2
55°	47.7	47.7	45.2	43.9	42.6	42.6	42.6	42.6	43.9	43.9	43.9
57.5°	46.4	45.2	42.6	42.6	40.0	40.0	40.0	41.3	41.3	42.6	42.6
60°	43.9	42.6	41.3	40.0	40.0	38.7	38.7	38.7	38.7	40.0	40.0
62.5°	42.6	41.3	38.7	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
65°	40.0	40.0	37.4	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
67.5°	37.4	37.4	34.8	33.5	33.5	33.5	34.8	33.5	33.5	33.5	33.5
70°	34.8	33.5	32.3	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
72.5°	31.0	31.0	29.7	28.4	28.4	28.4	28.4	28.4	28.4	28.4	29.7
75°	27.1	25.8	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
77.5°	23.2	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	21.9
80°	16.8	15.5	15.5	15.5	15.5	16.8	16.8	16.8	16.8	16.8	16.8
82.5°	10.3	9.0	9.0	9.0	10.3	11.6	11.6	11.6	11.6	12.9	12.9
85°	2.6	2.6	2.6	2.6	5.2	6.5	6.5	6.5	7.7	6.5	6.5
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



REPORT NUMBER: P228613

CATALOG NUMBER: ISS-AF-600-LED-E1-SLR-7050

**CANDELA DISTRIBUTION (continued):**

	115°	117.5°	120°	122.5°	125°	127.5°	130°	135°	145°	155°	165°
0°	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9
2.5°	735.5	750.9	750.9	740.6	745.8	740.6	739.3	748.4	753.5	770.3	780.6
5°	569.0	588.4	589.7	584.5	590.9	587.1	590.9	602.6	611.6	623.2	633.5
7.5°	406.4	424.5	428.4	424.5	436.1	434.8	437.4	450.3	458.0	464.5	465.8
10°	286.4	289.0	299.3	296.8	304.5	303.2	307.1	317.4	327.7	331.6	334.2
12.5°	215.5	212.9	216.8	211.6	215.5	215.5	216.8	223.2	236.1	241.3	254.2
15°	174.2	171.6	171.6	169.0	169.0	167.7	169.0	174.2	183.2	191.0	201.3
17.5°	148.4	148.4	148.4	147.1	145.8	145.8	147.1	149.7	154.8	160.0	165.2
20°	132.9	135.5	136.8	138.1	139.3	140.6	141.9	145.8	144.5	139.3	132.9
22.5°	116.1	116.1	117.4	117.4	116.1	116.1	116.1	116.1	116.1	120.0	123.9
25°	96.8	96.8	96.8	98.1	96.8	96.8	98.1	98.1	99.4	101.9	105.8
27.5°	87.7	87.7	87.7	87.7	87.7	87.7	87.7	89.0	90.3	94.2	96.8
30°	81.3	81.3	80.0	80.0	80.0	78.7	80.0	80.0	81.3	86.4	90.3
32.5°	74.8	73.5	73.5	73.5	72.3	72.3	72.3	74.8	76.1	78.7	82.6
35°	65.8	65.8	65.8	67.1	67.1	67.1	67.1	69.7	69.7	71.0	71.0
37.5°	59.4	59.4	60.6	61.9	61.9	63.2	63.2	64.5	65.8	64.5	63.2
40°	54.2	55.5	55.5	58.1	58.1	58.1	59.4	60.6	61.9	59.4	59.4
42.5°	51.6	51.6	51.6	52.9	52.9	52.9	54.2	55.5	56.8	56.8	56.8
45°	49.0	49.0	49.0	50.3	49.0	49.0	49.0	50.3	52.9	52.9	54.2
47.5°	47.7	47.7	47.7	46.4	46.4	46.4	46.4	47.7	49.0	51.6	52.9
50°	46.4	45.2	45.2	45.2	45.2	45.2	45.2	46.4	47.7	49.0	51.6
52.5°	43.9	43.9	43.9	43.9	43.9	43.9	43.9	45.2	46.4	47.7	49.0
55°	43.9	43.9	42.6	42.6	43.9	43.9	43.9	45.2	46.4	47.7	47.7
57.5°	42.6	41.3	41.3	42.6	42.6	42.6	42.6	43.9	45.2	46.4	46.4
60°	40.0	40.0	40.0	40.0	41.3	41.3	42.6	43.9	43.9	45.2	45.2
62.5°	37.4	38.7	38.7	38.7	40.0	40.0	41.3	42.6	43.9	45.2	43.9
65°	36.1	37.4	37.4	37.4	38.7	38.7	38.7	41.3	42.6	42.6	43.9
67.5°	34.8	34.8	34.8	36.1	36.1	37.4	37.4	40.0	40.0	41.3	42.6
70°	32.3	32.3	32.3	33.5	33.5	34.8	36.1	37.4	37.4	38.7	40.0
72.5°	29.7	29.7	29.7	31.0	31.0	32.3	33.5	36.1	34.8	36.1	36.1
75°	25.8	25.8	27.1	27.1	28.4	29.7	31.0	31.0	31.0	31.0	31.0
77.5°	21.9	21.9	23.2	23.2	24.5	25.8	25.8	25.8	27.1	25.8	25.8
80°	18.1	18.1	19.4	19.4	19.4	19.4	20.6	19.4	20.6	19.4	20.6
82.5°	12.9	12.9	14.2	12.9	14.2	12.9	12.9	11.6	14.2	12.9	12.9
85°	5.2	6.5	6.5	6.5	6.5	5.2	5.2	3.9	5.2	5.2	3.9
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



REPORT NUMBER: P228613

CATALOG NUMBER: ISS-AF-600-LED-E1-SLR-7050

**CANDELA DISTRIBUTION (continued):**

	175°	180°	185°	195°	205°	215°	225°	230°	235°	240°	245°
0°	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9
2.5°	784.5	783.2	802.5	816.7	825.8	860.6	876.1	895.4	904.5	917.4	930.3
5°	634.8	632.2	655.5	673.5	689.0	739.3	769.0	796.1	818.0	838.7	868.3
7.5°	454.2	449.0	464.5	480.0	500.6	554.8	606.4	642.6	674.8	709.6	748.4
10°	335.5	339.3	354.8	378.0	405.1	446.4	487.7	513.5	541.9	580.6	627.1
12.5°	268.4	283.9	296.8	325.1	357.4	403.9	447.7	468.4	489.0	508.4	532.9
15°	215.5	224.5	234.8	261.9	300.6	354.8	406.4	429.7	454.2	477.4	499.3
17.5°	166.4	170.3	175.5	194.8	229.7	294.2	351.0	380.6	409.0	441.3	470.9
20°	132.9	132.9	134.2	143.2	167.7	218.1	287.7	325.1	361.3	402.6	445.1
22.5°	116.1	114.8	116.1	120.0	131.6	161.3	224.5	268.4	314.8	366.4	419.3
25°	109.7	108.4	107.1	109.7	116.1	130.3	175.5	221.9	269.7	331.6	396.1
27.5°	99.4	100.6	101.9	104.5	109.7	117.4	145.8	180.6	233.5	301.9	379.3
30°	92.9	94.2	95.5	98.1	107.1	116.1	132.9	154.8	200.0	267.1	353.5
32.5°	85.2	86.4	87.7	89.0	91.6	101.9	113.5	131.6	170.3	236.1	326.4
35°	69.7	69.7	71.0	74.8	80.0	90.3	101.9	116.1	152.3	215.5	309.7
37.5°	64.5	64.5	65.8	69.7	74.8	83.9	94.2	107.1	144.5	207.7	294.2
40°	60.6	61.9	61.9	65.8	71.0	81.3	87.7	103.2	140.6	196.1	278.7
42.5°	58.1	58.1	59.4	63.2	69.7	77.4	86.4	100.6	130.3	185.8	269.7
45°	55.5	56.8	56.8	60.6	68.4	74.8	87.7	95.5	123.9	178.1	261.9
47.5°	54.2	54.2	55.5	59.4	67.1	76.1	85.2	90.3	117.4	171.6	255.5
50°	51.6	52.9	54.2	58.1	65.8	83.9	81.3	86.4	112.3	166.4	251.6
52.5°	50.3	51.6	52.9	56.8	65.8	85.2	78.7	81.3	108.4	161.3	249.0
55°	49.0	49.0	50.3	55.5	65.8	78.7	73.5	78.7	100.6	153.5	242.6
57.5°	46.4	47.7	49.0	52.9	64.5	72.3	69.7	74.8	92.9	140.6	233.5
60°	46.4	46.4	47.7	51.6	64.5	64.5	65.8	71.0	83.9	125.2	218.1
62.5°	45.2	45.2	46.4	51.6	65.8	58.1	61.9	67.1	77.4	112.3	198.7
65°	43.9	43.9	45.2	49.0	56.8	55.5	59.4	63.2	74.8	103.2	181.9
67.5°	41.3	41.3	42.6	46.4	50.3	51.6	56.8	60.6	73.5	101.9	166.4
70°	38.7	38.7	38.7	42.6	45.2	49.0	52.9	58.1	73.5	100.6	154.8
72.5°	36.1	34.8	36.1	38.7	41.3	43.9	47.7	54.2	72.3	101.9	149.7
75°	31.0	31.0	31.0	33.5	36.1	38.7	42.6	50.3	68.4	95.5	134.2
77.5°	25.8	25.8	24.5	28.4	31.0	32.3	36.1	43.9	59.4	81.3	108.4
80°	19.4	18.1	18.1	21.9	23.2	25.8	28.4	33.5	46.4	59.4	80.0
82.5°	11.6	10.3	10.3	14.2	15.5	16.8	21.9	24.5	31.0	38.7	54.2
85°	3.9	3.9	3.9	6.5	7.7	9.0	12.9	14.2	19.4	24.5	28.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.6	3.9	6.5	7.7	6.5
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: P228613  
 CATALOG NUMBER: ISS-AF-600-LED-E1-SLR-7050

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	250°	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	
0°	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	0°
2.5°	945.8	958.7	975.4	990.9	1002.5	1012.9	1025.8	1025.8	1041.2	1046.4	1056.7	2.5°
5°	891.6	916.1	952.2	981.9	1018.0	1052.9	1085.1	1103.2	1134.1	1154.8	1175.4	5°
7.5°	781.9	815.4	860.6	901.9	954.8	1011.6	1064.5	1113.5	1165.1	1209.0	1241.2	7.5°
10°	667.1	713.5	761.3	814.2	870.9	931.6	996.1	1061.9	1123.8	1185.8	1238.7	10°
12.5°	572.9	625.8	680.0	745.8	811.6	876.1	952.2	1009.0	1073.5	1135.4	1187.0	12.5°
15°	532.9	579.3	642.6	714.8	784.5	850.3	921.2	979.3	1040.0	1090.3	1126.4	15°
17.5°	516.1	575.5	647.7	723.8	798.7	878.7	941.9	990.9	1036.1	1059.3	1064.5	17.5°
20°	498.0	579.3	676.1	769.0	860.6	944.5	990.9	1023.2	1030.9	1029.6	1010.3	20°
22.5°	487.7	592.2	712.2	842.5	957.4	1055.4	1087.7	1081.2	1049.0	1007.7	975.4	22.5°
25°	485.1	621.9	774.2	947.1	1087.7	1185.8	1203.8	1167.7	1095.4	1015.4	961.2	25°
27.5°	487.7	655.5	851.6	1059.3	1224.5	1325.1	1318.6	1264.5	1161.2	1049.0	962.5	27.5°
30°	476.1	690.3	929.0	1157.4	1321.2	1405.1	1379.3	1298.0	1183.2	1070.9	979.3	30°
32.5°	456.8	716.1	997.4	1236.1	1421.9	1485.1	1438.6	1350.9	1232.2	1117.4	1023.2	32.5°
35°	434.8	727.7	1046.4	1309.6	1530.3	1563.8	1489.0	1399.9	1291.6	1175.4	1073.5	35°
37.5°	411.6	729.0	1092.9	1387.0	1634.8	1649.0	1540.6	1445.1	1339.3	1234.8	1141.9	37.5°
40°	398.7	723.8	1140.6	1482.5	1747.0	1727.7	1594.8	1482.5	1378.0	1298.0	1221.9	40°
42.5°	393.5	714.8	1175.4	1554.8	1843.8	1801.2	1645.1	1519.9	1425.7	1358.6	1305.7	42.5°
45°	393.5	705.8	1207.7	1609.0	1916.0	1860.6	1692.8	1556.1	1472.2	1430.9	1405.1	45°
47.5°	394.8	709.6	1246.4	1696.7	1978.0	1917.3	1730.2	1609.0	1536.7	1521.2	1530.3	47.5°
50°	401.3	753.5	1312.2	1793.5	2055.4	1978.0	1780.6	1668.3	1624.4	1639.9	1691.5	50°
52.5°	411.6	823.2	1425.7	1908.3	2175.4	2074.7	1864.4	1753.5	1732.8	1788.3	1886.4	52.5°
55°	421.9	894.2	1574.1	2100.5	2368.9	2250.2	2012.8	1901.8	1877.3	1962.5	2103.1	55°
57.5°	430.9	947.1	1718.6	2291.5	2536.7	2446.3	2208.9	2074.7	2064.4	2156.0	2309.6	57.5°
60°	440.0	988.3	1802.5	2376.7	2612.8	2603.8	2411.5	2287.6	2272.2	2357.3	2503.1	60°
62.5°	434.8	972.9	1825.7	2334.1	2606.3	2681.2	2576.7	2488.9	2436.0	2507.0	2648.9	62.5°
65°	415.5	891.6	1752.2	2187.0	2512.1	2634.7	2643.7	2623.1	2527.6	2532.8	2633.4	65°
67.5°	362.6	749.6	1526.4	1954.7	2327.6	2473.4	2625.7	2619.2	2497.9	2390.9	2411.5	67.5°
70°	300.6	588.4	1245.1	1664.4	2065.7	2190.9	2433.4	2482.5	2309.6	2109.6	2015.4	70°
72.5°	252.9	440.0	957.4	1289.0	1655.4	1801.2	2161.2	2229.6	1993.5	1712.2	1566.4	72.5°
75°	210.3	311.0	673.5	887.7	1141.9	1334.1	1886.4	1892.8	1618.0	1347.0	1189.6	75°
77.5°	156.1	211.6	487.7	620.6	784.5	949.6	1525.1	1541.9	1283.8	1021.9	886.4	77.5°
80°	104.5	130.3	311.0	433.5	527.7	636.1	1118.7	1047.7	847.7	708.4	673.5	80°
82.5°	63.2	76.1	179.3	303.2	332.9	396.1	703.2	656.7	558.7	510.9	523.8	82.5°
85°	34.8	47.7	109.7	198.7	154.8	216.8	384.5	375.5	352.2	308.4	268.4	85°
87.5°	9.0	10.3	24.5	9.0	3.9	11.6	74.8	49.0	49.0	28.4	10.3	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: P228613  
 NUMBER: ISS-AF-600-LED-E1-SLR-7050

REPORT NUMBER: P  
 CATALOG NUMBER:

**DISTRIBUTION (continued):**

**CANDELA DISTRIBUTION**

305°	310°	315°	325°	335°	340°	342.5°	345°	347.5°	350°	352.5°	355°
901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	901.9	0° 901.9
1047.7	1051.6	1050.3	1041.2	1018.0	1009.0	1005.1	994.8	983.2	983.2	972.9	2.5° 970.3
1174.1	1180.6	1172.8	1150.9	1091.6	1063.2	1046.4	1025.8	1009.0	993.5	978.0	5° 956.1
1263.2	1268.3	1255.4	1205.1	1099.3	1051.6	1025.8	1001.2	980.6	953.5	929.0	7.5° 907.1
1279.9	1291.6	1277.4	1205.1	1082.5	1023.2	994.8	967.7	938.0	909.6	874.8	10° 847.7
1232.2	1256.7	1246.4	1193.5	1074.8	1011.6	978.0	945.8	909.6	880.0	840.0	12.5° 814.2
1158.7	1161.2	1167.7	1166.4	1060.6	998.7	965.1	931.6	899.3	870.9	836.1	15° 803.8
1077.4	1074.8	1082.5	1107.0	1056.7	1007.7	985.8	953.5	930.3	898.0	870.9	17.5° 834.8
1003.8	1000.0	1007.7	1032.2	1041.2	1029.6	1020.6	1001.2	983.2	962.5	940.6	20° 905.8
957.4	944.5	943.2	979.3	1049.0	1080.0	1086.4	1083.8	1082.5	1067.0	1051.6	22.5° 1011.6
931.6	917.4	923.8	965.1	1081.2	1139.3	1169.0	1179.3	1193.5	1193.5	1193.5	25° 1154.8
923.8	908.3	917.4	963.8	1114.8	1211.6	1254.1	1279.9	1307.0	1318.6	1326.4	27.5° 1301.9
929.0	913.5	917.4	972.9	1131.6	1228.3	1278.7	1316.1	1358.6	1387.0	1406.4	30° 1387.0
958.7	931.6	929.0	1000.0	1162.5	1265.7	1318.6	1361.2	1409.0	1441.2	1476.1	32.5° 1473.5
998.7	960.0	954.8	1043.8	1202.5	1313.5	1366.4	1403.8	1452.8	1496.7	1547.0	35° 1565.1
1065.8	1018.0	1010.3	1117.4	1256.7	1353.5	1406.4	1455.4	1508.3	1565.1	1629.6	37.5° 1672.2
1156.1	1108.3	1108.3	1211.6	1330.3	1409.0	1467.0	1518.6	1576.7	1652.8	1731.5	40° 1799.9
1258.0	1227.0	1232.2	1325.1	1414.1	1478.6	1534.1	1589.6	1650.2	1726.4	1818.0	42.5° 1905.7
1393.5	1376.7	1402.5	1468.3	1499.3	1543.2	1592.2	1641.2	1707.0	1785.7	1890.2	45° 1983.1
1552.2	1566.4	1602.5	1623.2	1585.7	1609.0	1647.7	1692.8	1770.2	1850.2	1953.5	47.5° 2054.1
1750.9	1788.3	1823.1	1818.0	1692.8	1685.1	1721.2	1756.0	1833.5	1925.1	2034.7	50° 2143.1
1979.3	2028.3	2052.8	2024.4	1812.8	1767.7	1797.3	1845.1	1930.2	2034.7	2157.3	52.5° 2263.1
2211.5	2270.9	2263.1	2230.9	1943.1	1882.5	1900.6	1957.3	2061.8	2180.5	2335.4	55° 2439.9
2421.8	2468.3	2488.9	2419.2	2101.8	2021.8	2042.5	2101.8	2212.8	2345.7	2504.4	57.5° 2607.6
2588.3	2638.6	2638.6	2570.2	2274.7	2181.8	2216.7	2274.7	2370.2	2501.8	2650.2	60° 2739.2
2709.6	2749.6	2735.4	2669.6	2423.1	2352.2	2379.2	2459.2	2545.7	2643.7	2761.2	62.5° 2806.3
2700.5	2704.4	2688.9	2664.4	2512.1	2504.4	2556.0	2617.9	2690.2	2727.6	2793.4	65° 2810.2
2446.3	2447.6	2478.6	2468.3	2445.0	2540.5	2607.6	2659.2	2722.5	2722.5	2714.7	67.5° 2722.5
2005.1	2025.7	2078.6	2063.1	2181.8	2378.0	2455.4	2534.1	2589.6	2589.6	2523.8	70° 2486.3
1526.4	1539.3	1602.5	1588.3	1749.6	1965.1	2135.4	2267.0	2321.2	2354.7	2270.9	72.5° 2088.9
1110.9	1109.6	1136.7	1116.1	1319.9	1559.9	1735.4	1899.3	1988.3	2016.7	1864.4	75° 1531.5
855.4	832.2	827.1	829.6	935.4	1134.1	1273.5	1378.0	1389.6	1393.5	1188.3	77.5° 927.7
690.3	690.3	682.5	654.2	572.9	663.2	734.2	816.7	846.4	889.0	712.2	80° 522.6
550.9	529.0	490.3	434.8	367.7	392.2	425.8	456.8	507.1	525.1	433.5	82.5° 296.8
274.8	267.1	233.5	193.5	161.3	214.2	238.7	241.3	241.3	223.2	181.9	85° 121.3
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

'228613  
ISS-AF-600-LED-E1-SLR-7050

**TION (continued):**

359°	360°
901.9	901.9
954.8	957.4
934.2	926.4
869.6	858.0
800.0	790.9
760.0	748.4
752.2	739.3
779.3	763.8
840.0	821.9
936.7	914.8
1069.6	1047.7
1199.9	1171.6
1292.8	1264.5
1383.2	1349.6
1473.5	1439.9
1594.8	1565.1
1729.0	1686.4
1839.9	1799.9
1927.7	1886.4
2011.5	1970.2
2107.0	2078.6
2250.2	2225.7
2468.3	2433.4
2628.3	2612.8
2710.8	2691.5
2736.6	2704.4
2703.1	2654.1
2597.3	2540.5
2341.8	2267.0
1867.0	1816.7
1259.3	1229.6
723.8	685.1
415.5	402.6
233.5	246.4
60.6	67.1
0.0	0.0
0.0	0.0

(END OF REPORT)