

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: STREETWORKS

Report Number: P192769

Luminaire Tested: **GAN-AF-01-LED-U-SL2-7030-600-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P192769
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24287)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-01-LED-U-SL2-7030-600-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3289.8 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 34
Input Voltage (V): NR
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: 28.75 FT

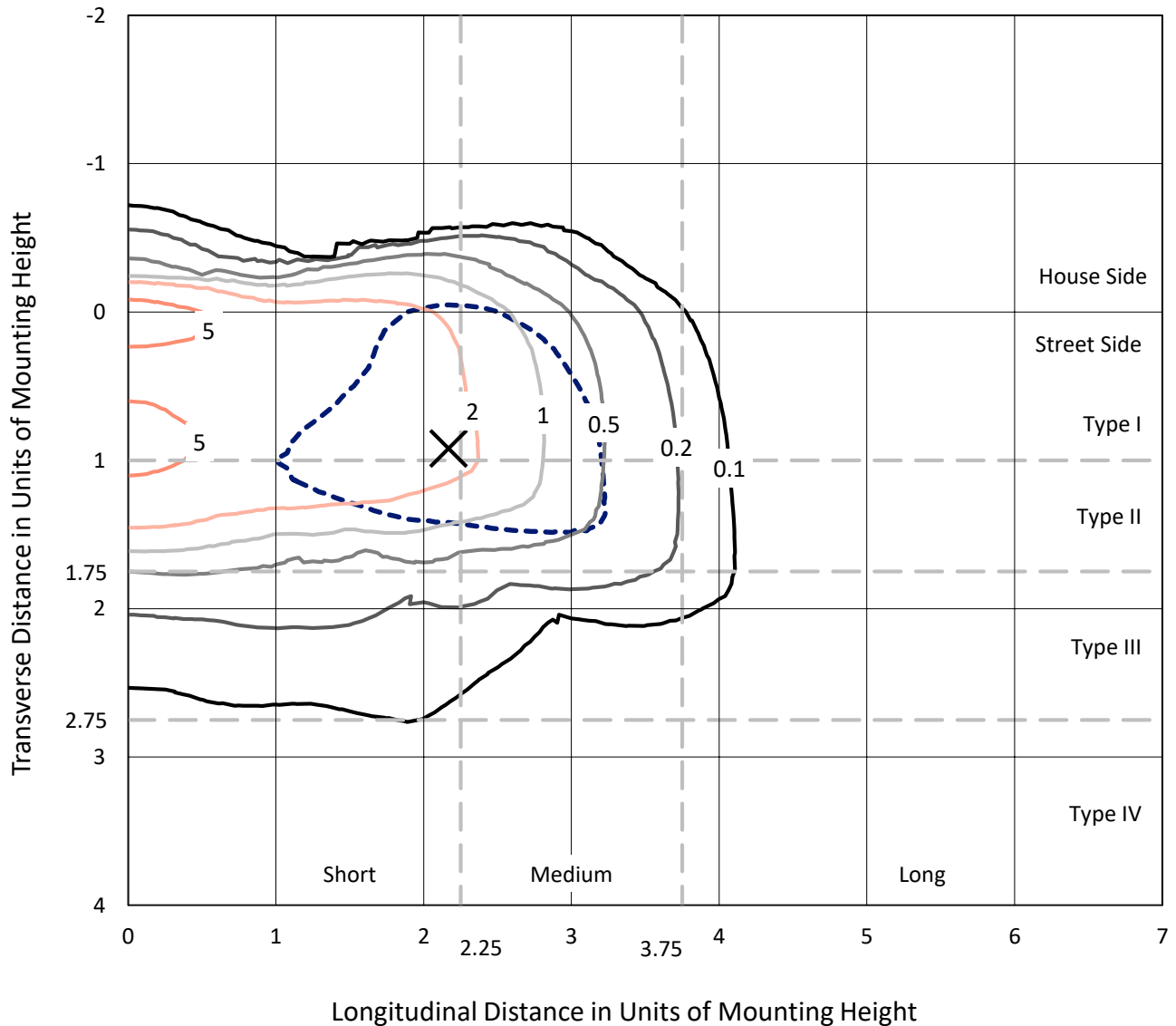


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

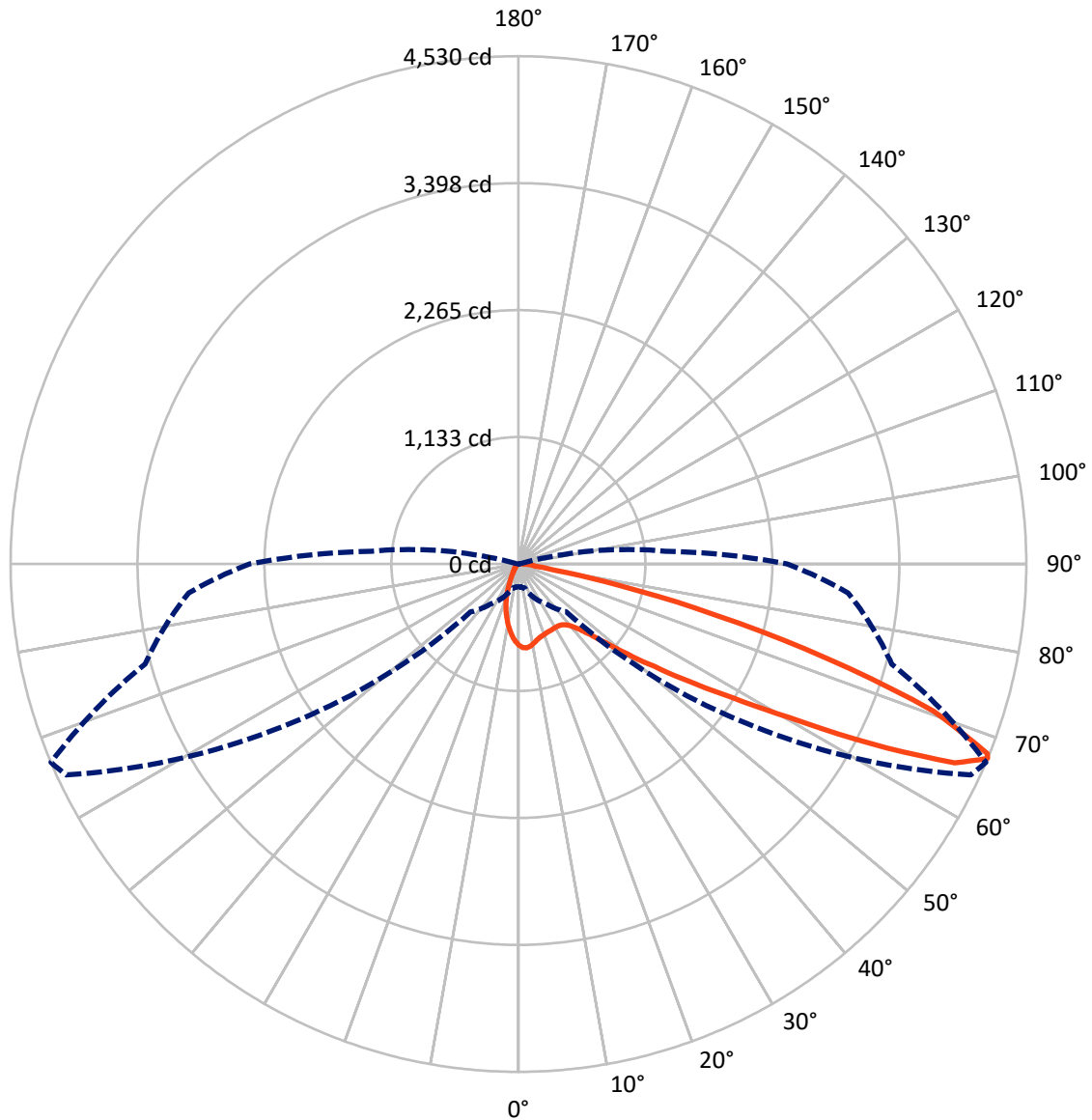


Based on 10 foot mounting height. Maximum calculated value = 7.3 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	341.6	0.0	341.6
	% Fixture	10.4	0.0	10.4
Street Side	Lumens	2948.2	0.0	2948.2
	% Fixture	89.6	0.0	89.6
Total	Lumens	3289.8	0.0	3289.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.0	1.8
10°-20°	125.6	3.8
20°-30°	182.7	5.6
30°-40°	285.0	8.7
40°-50°	504.8	15.3
50°-60°	798.9	24.3
60°-70°	915.0	27.8
70°-80°	379.5	11.5
80°-90°	39.2	1.2
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°	3289.8	100.0
0°-180°	3289.8	100.0



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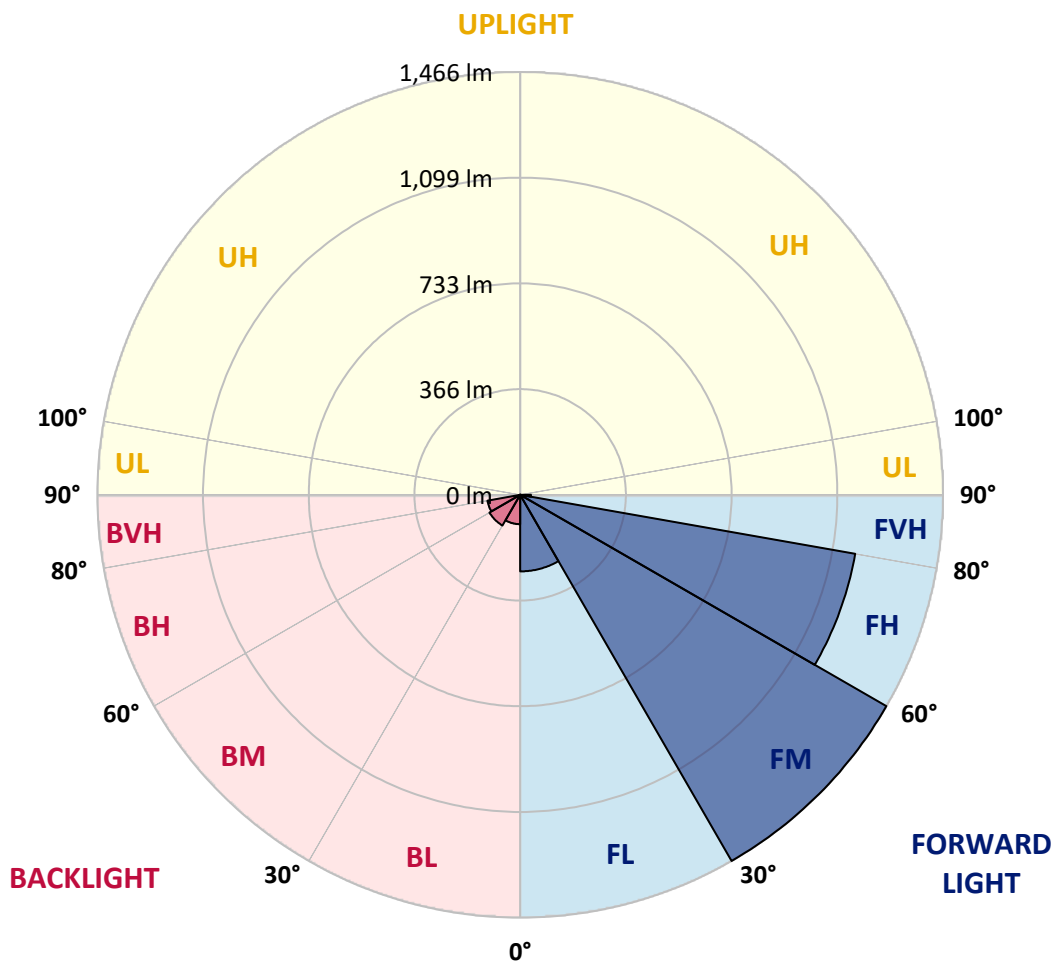
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	265.4	8.1			
FM (30°-60°)	1465.9	44.6			
FH (60°-80°)	1179.4	35.9			G1/1800
FVH (80°-90°)	37.4	1.1			G1/100
BL (0°-30°)	101.9	3.1	B0/110		
BM (30°-60°)	122.8	3.7	B0/220		
BH (60°-80°)	115.1	3.5	B1/500		G1/500
BVH (80°-90°)	1.8	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	725.5	725.5	725.5	725.5	725.5	725.5	725.5	725.5	725.5	725.5	725.5
2.5°	750.1	751.6	751.3	752.6	755.3	755.4	752.8	747.6	746.5	739.6	728.0
5°	691.7	696.2	698.8	709.7	722.1	736.9	748.0	752.0	751.3	746.7	729.0
7.5°	625.2	629.6	632.6	645.5	661.8	687.1	716.0	739.9	742.0	747.3	728.2
10°	580.8	581.6	585.8	598.0	615.2	641.2	675.7	717.3	723.7	742.6	726.2
12.5°	544.3	544.9	550.5	563.8	582.1	608.1	644.3	692.4	702.3	736.9	725.9
15°	518.4	520.6	525.5	539.4	558.8	584.6	621.9	674.2	686.0	734.8	729.3
17.5°	509.8	512.1	513.6	523.7	541.3	566.6	604.9	662.4	675.7	735.9	736.1
20°	518.9	520.6	517.2	519.6	530.6	553.2	590.4	652.2	667.9	737.2	744.7
22.5°	552.5	553.2	543.8	532.8	531.0	543.4	579.1	644.2	661.0	740.9	754.9
25°	610.0	608.7	593.3	569.7	547.5	541.7	572.4	639.1	657.6	744.7	765.5
27.5°	679.5	681.3	660.3	625.9	583.6	553.2	571.4	637.1	656.1	747.5	774.6
30°	763.9	766.6	742.4	699.3	638.4	581.6	580.2	636.7	655.1	745.7	775.4
32.5°	850.0	853.4	834.3	789.8	711.8	629.3	600.3	641.0	656.9	739.6	771.1
35°	940.2	944.9	932.2	894.0	811.1	697.8	635.4	653.8	666.1	739.1	766.6
37.5°	1064.7	1069.0	1045.2	1004.7	931.4	790.0	691.7	678.0	687.4	748.3	767.8
40°	1250.7	1250.2	1188.7	1126.8	1063.6	907.1	771.1	721.6	726.5	776.2	782.0
42.5°	1453.3	1452.4	1361.6	1267.4	1210.4	1051.2	875.1	797.3	794.0	827.4	818.8
45°	1609.5	1609.4	1535.3	1429.2	1387.1	1216.6	1009.9	902.5	897.4	910.6	886.7
47.5°	1676.1	1677.2	1640.1	1565.3	1583.0	1440.2	1179.7	1054.8	1047.4	1041.9	1005.5
50°	1624.3	1626.7	1629.7	1615.1	1726.8	1740.9	1407.5	1269.5	1265.9	1241.8	1184.9
52.5°	1455.2	1466.8	1502.9	1549.1	1776.7	2029.6	1764.5	1536.3	1516.6	1491.2	1428.3
55°	1169.9	1182.8	1251.2	1363.5	1702.4	2219.2	2265.1	1880.2	1847.5	1771.3	1680.7
57.5°	774.2	794.2	893.6	1036.4	1486.7	2249.6	2764.3	2357.3	2243.7	2035.2	1933.1
60°	426.5	445.8	553.6	682.9	1073.8	2098.9	3100.1	2978.6	2777.9	2330.1	2239.5
62.5°	262.7	273.0	352.7	473.0	644.0	1656.6	3169.6	3759.4	3527.1	2709.8	2609.6
65°	209.1	213.6	252.5	386.7	461.7	985.3	2945.3	4354.6	4277.2	3169.6	2941.0
67°	203.0	204.8	223.2	331.9	435.2	604.1	2467.5	4451.6	4530.2	3447.7	2951.4
67.5°	204.4	206.3	223.8	316.9	434.5	555.1	2302.8	4413.4	4512.7	3469.8	2905.5
70°	197.1	203.0	256.2	316.7	413.1	461.3	1379.1	3823.8	3927.4	3224.0	2465.3
72.5°	69.8	70.3	110.7	256.2	449.2	466.3	692.4	2803.3	2879.8	2466.3	1777.4
75°	41.4	35.3	36.8	72.8	429.3	452.9	399.6	1791.3	1819.8	1413.3	900.2
77.5°	28.6	24.9	25.6	32.2	163.5	446.6	317.4	934.0	903.6	495.6	191.6
80°	16.3	14.4	15.3	28.2	59.4	416.6	299.4	378.8	323.0	84.0	53.0
82.5°	8.6	7.3	8.8	23.3	41.4	259.6	299.9	183.0	145.1	28.4	36.0
85°	3.1	2.5	4.3	16.0	27.7	79.6	278.1	153.9	120.8	13.7	27.5
87.5°	0.5	0.5	1.7	6.5	11.2	24.4	164.4	91.3	61.1	8.3	18.8
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	725.5	725.5	725.5	725.5	725.5	725.5	725.5	725.5	725.5	725.5	725.5
2.5°	723.2	715.0	703.8	690.2	674.1	659.9	649.3	638.4	636.1	632.3	631.7
5°	718.4	704.1	676.7	644.9	611.2	580.6	555.9	533.8	524.0	515.6	514.6
7.5°	711.3	690.0	643.0	591.9	539.2	491.2	450.5	421.7	395.3	382.6	380.7
10°	703.1	672.6	605.2	534.4	461.5	393.8	333.3	282.7	252.0	233.7	231.4
12.5°	695.4	655.4	566.6	474.7	377.8	287.3	209.6	161.1	128.9	116.0	114.4
15°	691.7	641.7	530.6	413.6	290.3	182.9	114.5	88.6	78.1	75.1	74.9
17.5°	691.4	630.0	495.3	350.6	203.4	106.3	74.7	68.1	66.0	65.2	65.2
20°	691.2	618.9	460.0	285.1	129.2	70.8	62.2	60.6	59.1	58.1	58.1
22.5°	693.2	608.9	423.2	218.4	81.4	57.4	54.7	53.1	51.3	49.9	49.7
25°	695.4	601.2	385.4	155.4	58.9	49.9	47.2	45.2	42.4	40.7	40.5
27.5°	695.8	591.6	345.2	104.1	49.2	43.6	40.1	36.8	33.8	32.0	31.9
30°	690.0	575.5	300.5	70.3	43.6	37.8	33.3	29.7	26.9	25.5	25.5
32.5°	678.7	555.5	251.4	53.0	38.8	32.4	27.5	24.1	22.3	21.7	21.6
35°	668.5	534.1	200.9	44.9	34.8	27.5	22.4	20.3	19.2	19.0	18.8
37.5°	662.5	516.8	153.5	40.7	30.9	23.1	19.0	17.5	16.9	16.5	16.7
40°	667.1	502.4	113.4	37.2	27.1	19.2	16.2	15.3	14.7	14.5	14.5
42.5°	687.4	499.9	84.2	34.2	23.4	16.0	13.9	13.4	13.0	12.9	13.0
45°	740.3	515.2	65.4	31.2	19.7	13.4	11.9	11.7	11.5	11.5	11.5
47.5°	819.9	546.9	54.5	28.0	16.5	11.5	10.4	10.2	10.0	10.2	10.2
50°	954.8	604.9	48.7	24.8	13.6	9.9	8.8	8.8	8.8	8.8	9.1
52.5°	1160.0	718.8	44.9	21.6	11.2	8.3	7.4	7.4	7.6	7.6	7.8
55°	1388.4	870.0	41.4	18.2	9.4	6.9	6.1	6.3	6.5	6.7	6.7
57.5°	1636.3	1037.5	38.6	15.0	8.0	5.6	5.1	5.4	5.6	5.9	5.9
60°	1935.5	1218.9	34.3	11.7	6.7	4.4	4.1	4.4	5.0	5.4	5.6
62.5°	2264.1	1394.2	29.0	9.2	5.6	3.5	3.3	4.1	4.8	5.1	5.4
65°	2488.6	1449.4	22.3	7.4	4.3	2.5	2.7	3.6	4.6	5.1	5.1
67°	2397.5	1314.1	18.2	6.3	3.5	1.9	2.5	3.6	4.6	5.0	5.1
67.5°	2334.5	1261.1	17.5	6.1	3.3	1.9	2.5	3.6	4.6	5.1	5.1
70°	1899.5	947.4	14.5	4.6	2.7	1.7	2.0	3.5	4.4	5.0	5.0
72.5°	1319.8	584.1	13.0	3.3	2.3	1.5	1.9	3.3	4.3	4.8	5.0
75°	627.4	211.4	11.2	2.5	2.0	1.3	1.7	3.3	4.3	4.8	4.8
77.5°	128.0	49.1	9.1	2.0	1.7	1.3	1.5	3.1	4.1	4.6	4.6
80°	42.1	19.0	6.7	1.9	1.7	1.3	1.5	2.8	4.1	4.4	4.6
82.5°	30.3	9.7	4.4	1.9	1.7	1.3	1.3	2.8	3.9	4.4	4.4
85°	23.3	6.7	2.8	1.9	1.7	1.3	1.3	2.7	3.6	4.3	4.3
87.5°	15.3	2.7	2.3	1.9	1.7	1.3	1.3	2.7	3.5	4.1	4.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)