

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: P323494

Luminaire Tested: **GAN-SA0C-730-U-SL3-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P323494  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA0C-730-U-SL3-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 54470 lumens  
Efficiency: N/A  
Efficacy: 97.6 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

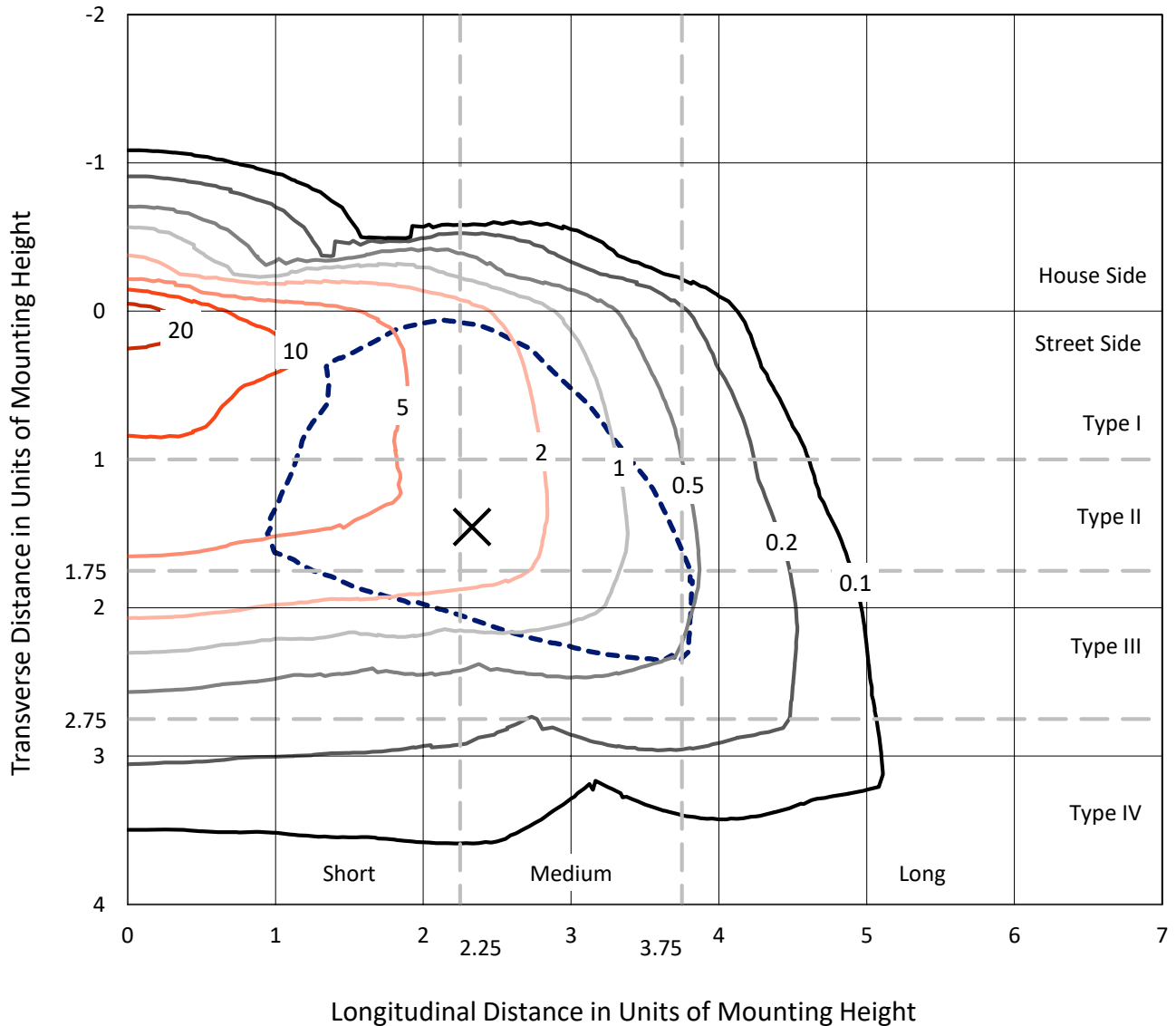
Input Watts (W): 558  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P323494  
 CATALOG NUMBER: GAN-SA0C-730-U-SL3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

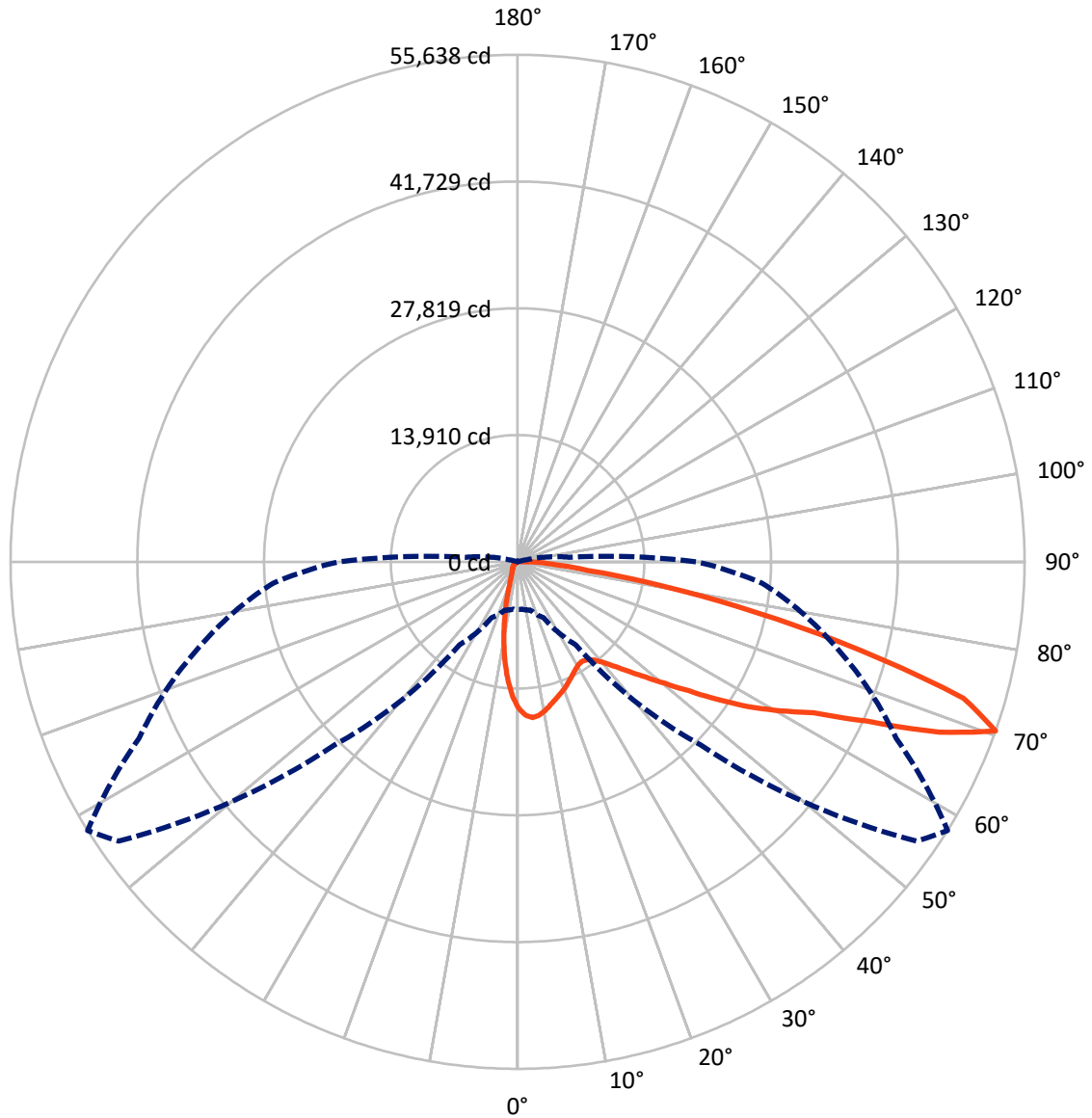
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 26.1 fc  
 Type III - Medium - N/A

REPORT NUMBER: P323494  
CATALOG NUMBER: GAN-SA0C-730-U-SL3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P323494  
 CATALOG NUMBER: GAN-SAOC-730-U-SL3-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4661.4	0.0	4661.4
	% Fixture	8.6	0.0	8.6
<b>Street Side</b>	Lumens	49808.6	0.0	49808.6
	% Fixture	91.4	0.0	91.4
<b>Total</b>	Lumens	54470.0	0.0	54470.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1315.8	2.4
10°-20°	2761.5	5.1
20°-30°	3630.4	6.7
30°-40°	4808.1	8.8
40°-50°	7186.6	13.2
50°-60°	11512.6	21.1
60°-70°	14511.5	26.6
70°-80°	7827.4	14.4
80°-90°	916.2	1.7
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°	54470.0	100.0
0°-180°	54470.0	100.0

**Coefficient of Utilization**

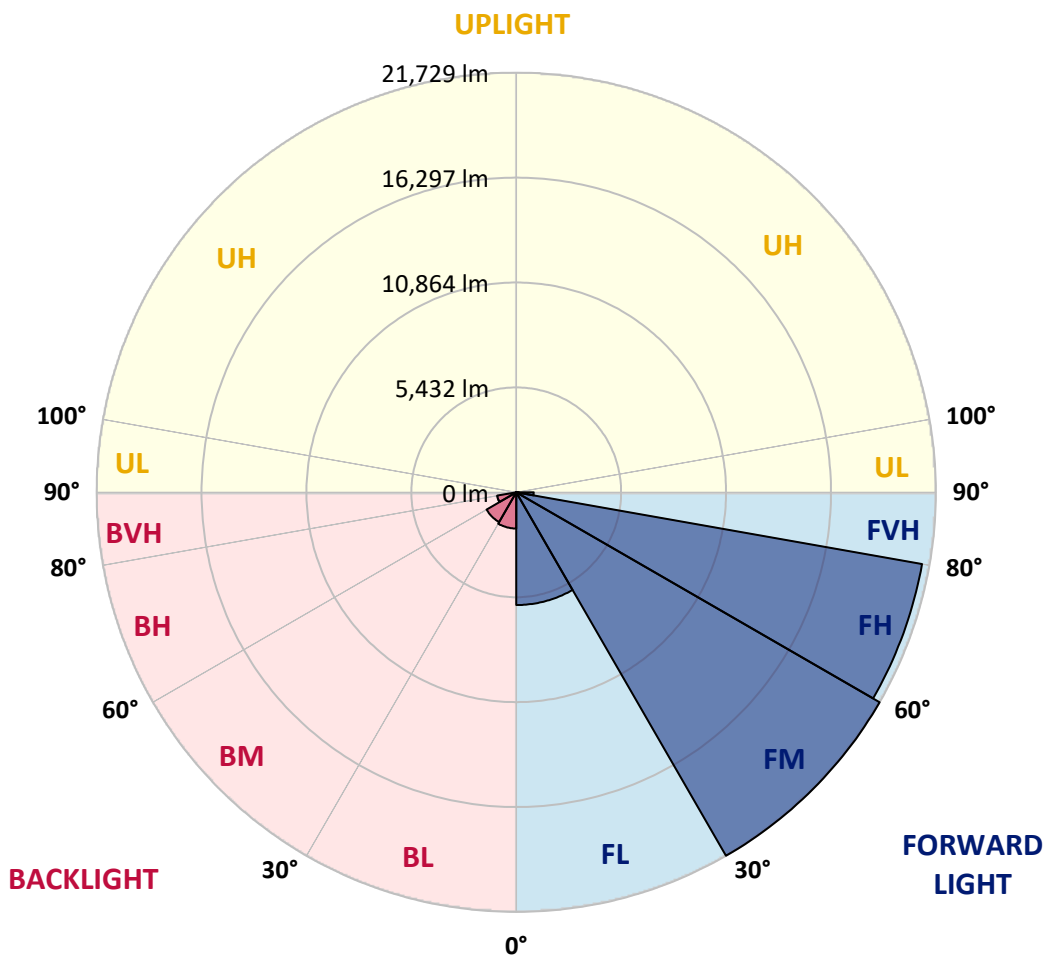


REPORT NUMBER: P323494  
 CATALOG NUMBER: GAN-SAOC-730-U-SL3-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5834.9	10.7			
FM (30°-60°)	21728.9	39.9			
FH (60°-80°)	21336.5	39.2			G5
FVH (80°-90°)	908.3	1.7			G5
BL (0°-30°)	1872.8	3.4	B3/2500		
BM (30°-60°)	1778.3	3.3	B2/2500		
BH (60°-80°)	1002.5	1.8	B3/2500		G3/2500
BVH (80°-90°)	7.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type III Medium





REPORT NUMBER: P323494

CATALOG NUMBER: GAN-SAOC-730-U-SL3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	16090.2	16090.2	16090.2	16090.2	16090.2	16090.2	16090.2	16090.2	16090.2	16090.2	16090.2
2.5°	17424.2	17381.2	17365.3	17338.2	17234.0	17132.1	16930.5	16873.9	16747.0	16445.8	16126.4
5°	17437.8	17435.6	17483.1	17471.8	17435.6	17388.0	17243.0	17168.3	16953.1	16522.8	15938.4
7.5°	16597.5	16640.6	16747.0	16833.1	16932.7	17061.8	17080.0	17007.5	16830.8	16366.5	15591.9
10°	15469.6	15537.5	15687.0	15856.9	16117.4	16375.6	16606.6	16597.5	16536.4	16078.9	15175.1
12.5°	14339.4	14418.6	14590.8	14842.2	15211.4	15632.7	16044.9	16101.5	16203.4	15820.7	14790.1
15°	13349.6	13417.5	13587.4	13895.4	14353.0	14919.2	15523.9	15628.1	15890.9	15619.1	14468.5
17.5°	12509.3	12552.3	12676.9	13018.9	13548.9	14235.2	15021.1	15225.0	15616.8	15460.5	14189.9
20°	11922.7	11929.5	12011.0	12251.1	12781.1	13548.9	14500.2	14792.4	15326.9	15324.6	13902.2
22.5°	11632.8	11610.1	11626.0	11764.1	12153.7	12894.3	13979.3	14325.8	15066.4	15209.1	13610.1
25°	11578.4	11560.3	11515.0	11533.1	11768.7	12321.3	13453.8	13854.7	14837.7	15138.9	13356.4
27.5°	11748.3	11766.4	11689.4	11607.9	11626.0	11949.9	12987.2	13451.5	14651.9	15138.9	13177.5
30°	12090.3	12099.3	12042.7	11936.3	11793.6	11845.7	12663.3	13127.6	14559.1	15243.1	13064.2
32.5°	12468.5	12518.4	12511.6	12425.5	12221.7	12011.0	12586.3	13009.9	14552.3	15474.1	13052.9
35°	12937.4	12994.0	13089.1	13071.0	12858.1	12511.6	12849.0	13182.0	14685.9	15854.6	13175.2
37.5°	13435.7	13521.7	13725.6	13823.0	13684.8	13293.0	13437.9	13675.7	15043.8	16470.7	13485.5
40°	13918.1	14015.5	14386.9	14769.7	14665.5	14262.4	14330.3	14520.6	15680.2	17356.3	14074.4
42.5°	14391.5	14536.4	15082.3	15711.9	15836.5	15514.9	15551.1	15702.9	16624.7	18574.8	15037.0
45°	14957.7	15120.8	15929.4	16706.2	17039.2	16898.8	17052.8	17152.4	17859.1	20185.2	16334.8
47.5°	15788.9	15976.9	16969.0	17854.6	18438.9	18529.5	18839.8	18905.5	19419.7	22060.6	18026.7
50°	17410.6	17462.7	18359.7	19163.7	20006.3	20549.9	20903.2	20953.0	21308.6	24110.4	20139.9
52.5°	19451.4	19485.3	19992.7	20531.7	21489.8	22599.6	23426.3	23496.6	23571.3	26108.0	22225.9
55°	21478.5	21474.0	21809.2	22126.3	23222.5	24835.1	26629.0	26672.0	26135.2	28003.8	23820.4
57.5°	22744.6	22866.9	23376.5	23784.2	25315.3	27383.2	29872.4	30030.9	28828.2	29408.1	25396.8
60°	22341.4	22400.3	23530.5	25039.0	27922.3	31004.9	33154.3	33195.1	30853.1	30810.1	27390.0
62.5°	19034.6	19066.3	20842.0	23951.8	29242.7	35702.4	37113.4	36449.8	33181.5	32755.7	29775.0
65°	13046.1	13252.2	14735.7	18579.4	26817.0	38649.0	43242.4	42143.9	36730.6	35559.7	31931.2
67.5°	7682.7	7639.7	8373.5	11204.7	19696.0	36692.1	50995.3	49903.6	41570.8	37437.3	31299.3
70°	5247.9	5218.4	5499.3	6783.5	11118.6	28463.6	53434.6	55638.4	45844.8	36173.5	26937.0
72.5°	3746.2	3762.1	4176.6	5270.5	6980.6	16583.9	45951.2	51167.4	44506.2	31534.9	20475.1
75°	2543.5	2586.6	3180.0	4323.8	6119.9	8436.9	32608.4	38895.9	36241.4	22919.0	11768.7
77.5°	1368.0	1415.6	2115.5	3483.5	5533.3	5861.7	20975.7	26769.4	22765.0	10303.2	3411.0
80°	570.8	597.9	989.8	2532.2	4781.3	5148.2	12341.7	16232.9	9700.8	2031.7	761.0
82.5°	246.9	260.5	412.2	1510.7	3574.1	4346.4	6534.4	7809.5	2939.9	446.2	382.8
85°	47.6	49.8	169.9	799.5	2280.8	2452.9	4235.5	4151.6	1320.5	192.5	278.6
87.5°	0.0	0.0	40.8	251.4	670.4	1336.3	2584.3	2552.6	448.5	92.9	104.2
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: P323494  
 CATALOG NUMBER: GAN-SAOC-730-U-SL3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	16090.2	16090.2	16090.2	16090.2	16090.2	16090.2	16090.2	16090.2	16090.2	16090.2	16090.2
2.5°	15963.3	15807.1	15478.6	15073.2	14762.9	14420.9	14149.1	13804.8	13655.4	13662.2	13580.6
5°	15605.5	15283.9	14556.8	13639.5	12932.8	12203.5	11576.1	10951.0	10581.8	10461.8	10348.5
7.5°	15093.6	14584.0	13424.3	12011.0	10815.1	9646.4	8629.4	7734.8	7168.6	6892.2	6790.3
10°	14516.0	13800.3	12122.0	10260.2	8552.4	6971.5	5653.3	4507.2	4049.7	3739.4	3660.2
12.5°	14008.7	13039.3	10849.1	8464.1	6437.0	4529.9	3272.8	2559.4	2249.1	2126.8	2106.4
15°	13530.8	12328.1	9623.8	6837.9	4457.4	2788.1	2081.5	1839.1	1766.7	1746.3	1746.3
17.5°	13080.1	11650.9	8425.6	5236.6	2949.0	1954.6	1723.6	1669.3	1646.6	1644.4	1646.6
20°	12609.0	10973.7	7247.8	3836.8	2058.8	1655.7	1592.3	1562.8	1556.0	1556.0	1556.0
22.5°	12158.2	10296.4	6101.8	2740.6	1651.1	1510.7	1479.0	1458.6	1451.8	1449.6	1445.0
25°	11725.6	9653.2	4982.9	1936.5	1449.6	1383.9	1356.7	1329.5	1309.1	1297.8	1291.0
27.5°	11370.0	9080.2	3941.0	1553.8	1309.1	1252.5	1218.5	1177.8	1127.9	1105.3	1096.2
30°	11086.9	8557.0	3037.3	1311.4	1177.8	1121.1	1069.1	998.8	926.4	887.9	885.6
32.5°	10864.9	8042.8	2305.7	1159.7	1060.0	989.8	915.0	826.7	742.9	699.9	697.6
35°	10756.2	7589.8	1762.1	1048.7	955.8	867.5	774.6	677.2	595.7	554.9	550.4
37.5°	10828.7	7207.1	1374.8	955.8	867.5	765.6	656.8	554.9	482.4	446.2	443.9
40°	11093.7	6962.4	1116.6	876.5	792.7	668.2	550.4	455.3	394.1	364.7	362.4
42.5°	11657.7	6871.8	953.5	810.9	720.3	577.6	457.5	376.0	319.4	299.0	294.4
45°	12599.9	7005.5	842.6	747.4	645.5	491.5	378.2	308.0	258.2	242.3	240.1
47.5°	13854.7	7356.5	763.3	686.3	577.6	414.5	314.8	249.1	210.6	194.8	192.5
50°	15471.8	7913.7	697.6	625.1	514.1	351.1	260.5	197.1	163.1	151.8	151.8
52.5°	17231.7	8577.4	638.7	568.5	450.7	292.2	210.6	151.8	129.1	115.5	115.5
55°	18685.8	9157.2	575.3	525.5	373.7	242.3	160.8	115.5	95.1	88.3	88.3
57.5°	20137.6	9775.5	502.8	450.7	299.0	197.1	122.3	86.1	70.2	65.7	65.7
60°	22019.8	10532.0	432.6	366.9	235.6	149.5	90.6	61.2	52.1	49.8	49.8
62.5°	24090.0	10975.9	369.2	294.4	183.5	111.0	65.7	40.8	38.5	38.5	36.2
65°	25356.1	10348.5	310.3	235.6	142.7	83.8	43.0	29.4	34.0	31.7	27.2
67.5°	23741.2	8101.7	253.7	183.5	111.0	63.4	27.2	20.4	36.2	29.4	22.6
70°	19657.5	5671.4	197.1	129.1	88.3	54.4	18.1	13.6	38.5	29.4	18.1
72.5°	14710.8	3796.1	156.3	86.1	65.7	47.6	15.9	6.8	34.0	24.9	15.9
75°	8038.3	1528.8	124.6	54.4	40.8	34.0	11.3	4.5	22.6	18.1	11.3
77.5°	2115.5	403.2	90.6	36.2	22.6	13.6	6.8	2.3	11.3	9.1	4.5
80°	539.1	156.3	58.9	24.9	15.9	6.8	0.0	0.0	2.3	0.0	0.0
82.5°	287.6	65.7	36.2	18.1	9.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	217.4	43.0	20.4	11.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	83.8	13.6	6.8	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

(END OF REPORT)