

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: P323794

Luminaire Tested: **GAN-SA0A-730-U-SL4-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P323794  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA0A-730-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV  
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34092 lumens  
Efficiency: N/A  
Efficacy: 105.5 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

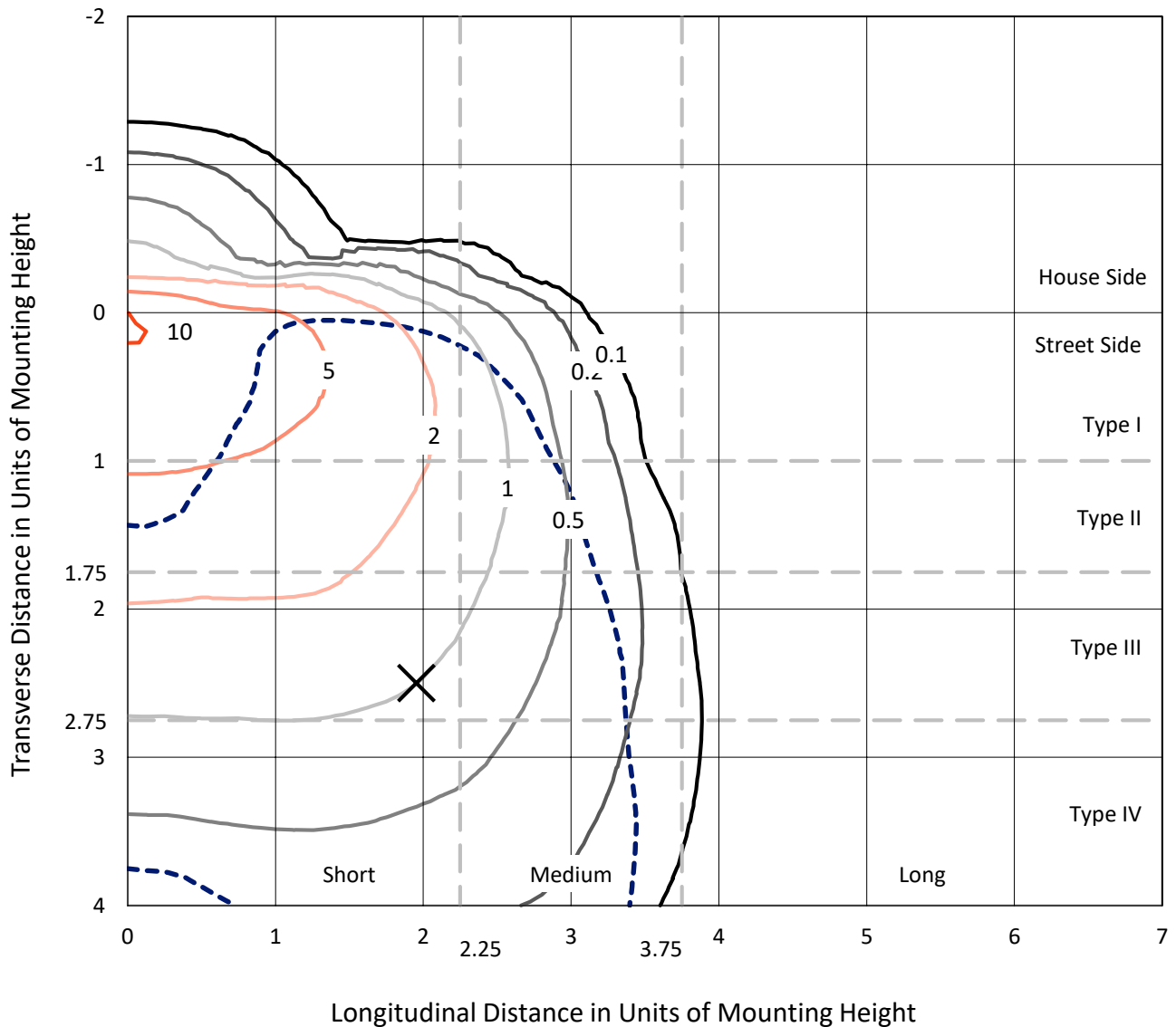
Input Watts (W): 323  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P323794  
 CATALOG NUMBER: GAN-SA0A-730-U-SL4-HSS

### Iso-Footcandle Lines of Horizontal Illumination

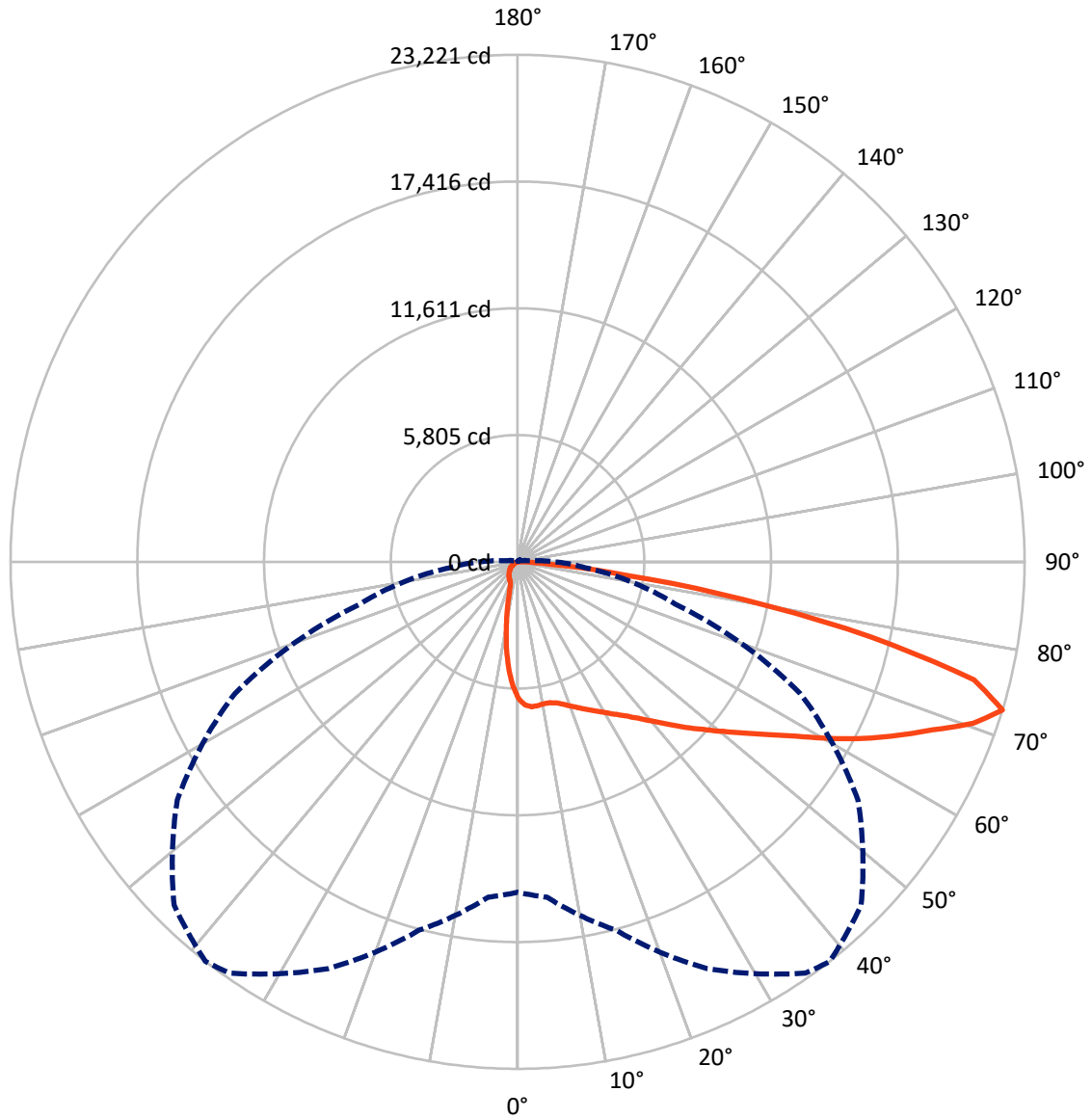
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 fc  
 Type IV - Short - N/A

REPORT NUMBER: P323794  
CATALOG NUMBER: GAN-SA0A-730-U-SL4-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P323794  
 CATALOG NUMBER: GAN-SA0A-730-U-SL4-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2869.0	0.0	2869.0
	% Fixture	8.4	0.0	8.4
<b>Street Side</b>	Lumens	31223.0	0.0	31223.0
	% Fixture	91.6	0.0	91.6
<b>Total</b>	Lumens	34092.0	0.0	34092.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	534.3	1.6
10°-20°	1306.4	3.8
20°-30°	2077.8	6.1
30°-40°	3123.8	9.2
40°-50°	4765.6	14.0
50°-60°	6735.4	19.8
60°-70°	8448.4	24.8
70°-80°	6317.0	18.5
80°-90°	783.3	2.3
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°	34092.0	100.0
0°-180°	34092.0	100.0

**Coefficient of Utilization**

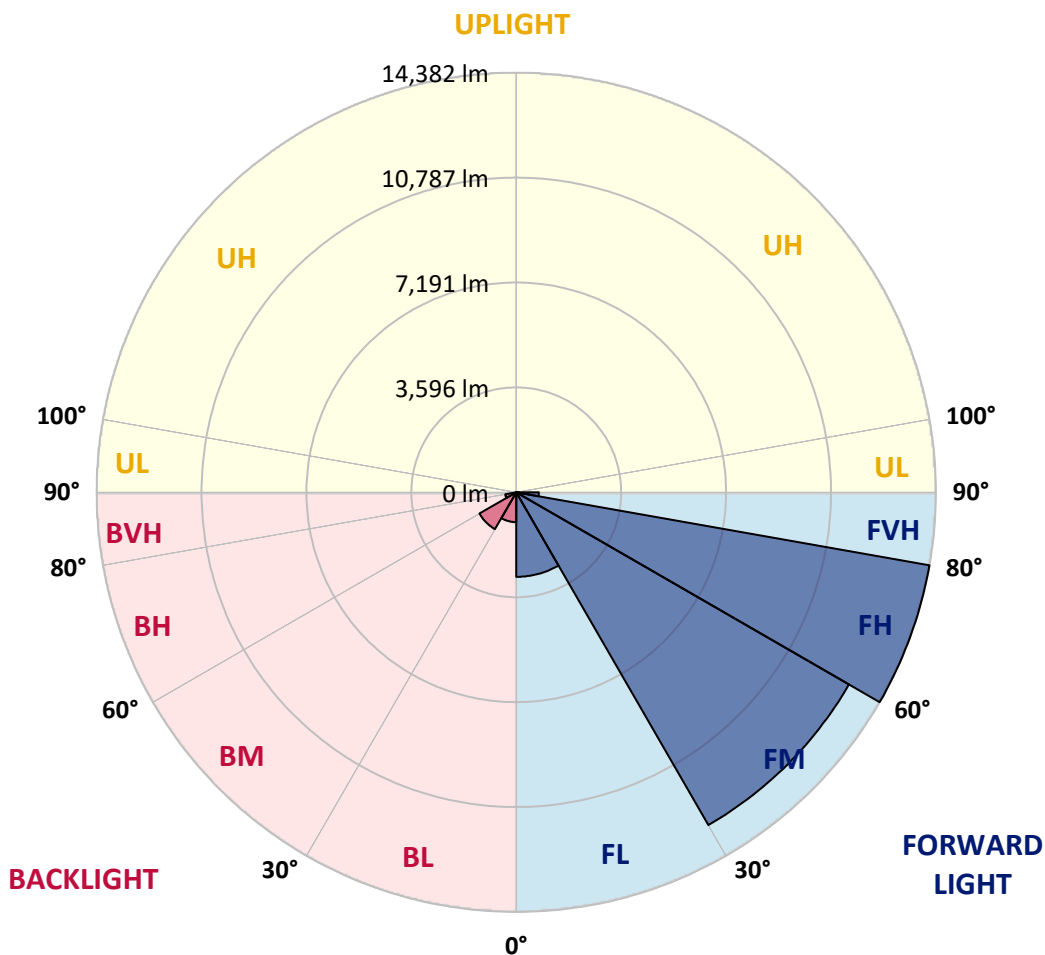


REPORT NUMBER: P323794  
 CATALOG NUMBER: GAN-SA0A-730-U-SL4-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2897.0	8.5			
FM (30°-60°)	13167.8	38.6			
FH (60°-80°)	14382.2	42.2			G5
FVH (80°-90°)	776.0	2.3			G5
BL (0°-30°)	1021.5	3.0	B3/2500		
BM (30°-60°)	1456.9	4.3	B2/2500		
BH (60°-80°)	383.2	1.1	B1/500		G1/500
BVH (80°-90°)	7.3	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 IV Short





REPORT NUMBER: P323794  
 CATALOG NUMBER: GAN-SAOA-730-U-SL4-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	6269.4	6269.4	6269.4	6269.4	6269.4	6269.4	6269.4	6269.4	6269.4	6269.4	6269.4
2.5°	6654.5	6655.9	6640.4	6614.9	6582.3	6565.3	6537.0	6491.7	6443.6	6357.2	6263.7
5°	6790.4	6790.4	6770.6	6736.6	6684.3	6668.7	6614.9	6542.7	6443.6	6303.4	6146.2
7.5°	6776.3	6779.1	6752.2	6716.8	6664.4	6650.3	6585.1	6504.4	6381.3	6211.4	6010.3
10°	6702.7	6709.7	6688.5	6671.5	6623.4	6607.8	6546.9	6466.2	6343.0	6161.8	5931.0
12.5°	6627.6	6634.7	6641.8	6657.4	6627.6	6622.0	6573.8	6505.9	6388.3	6200.0	5939.5
15°	6579.5	6593.6	6644.6	6705.5	6712.6	6706.9	6675.8	6612.0	6493.1	6297.7	6000.4
17.5°	6579.5	6602.1	6708.3	6824.4	6865.5	6869.7	6842.8	6753.6	6612.0	6402.5	6057.0
20°	6634.7	6665.8	6831.5	6995.7	7063.7	7063.7	7011.3	6886.7	6721.1	6497.4	6095.3
22.5°	6776.3	6817.3	7025.5	7215.2	7287.4	7271.8	7201.0	7019.8	6834.3	6605.0	6143.4
25°	7055.2	7086.4	7303.0	7494.1	7538.0	7502.6	7413.4	7181.2	6978.7	6750.8	6231.2
27.5°	7414.8	7419.1	7642.8	7804.2	7777.3	7753.2	7641.4	7383.7	7186.9	6958.9	6382.7
30°	7809.9	7809.9	8006.7	8129.8	8047.7	8027.9	7916.0	7628.6	7453.1	7242.1	6597.9
32.5°	8192.1	8209.1	8369.1	8447.0	8355.0	8335.1	8226.1	7938.7	7807.0	7673.9	6933.4
35°	8561.7	8574.4	8725.9	8768.4	8680.6	8686.3	8608.4	8364.9	8315.3	8298.3	7438.9
37.5°	8919.9	8922.7	9077.0	9103.9	9060.1	9108.2	9115.3	8900.1	8992.1	9129.4	8151.1
40°	9246.9	9249.8	9402.7	9472.1	9547.1	9609.4	9664.6	9549.9	9854.4	10172.9	8999.2
42.5°	9508.9	9538.6	9732.6	9864.3	10062.5	10181.4	10331.5	10325.8	10880.8	11359.4	10024.3
45°	9739.7	9790.6	10061.1	10291.9	10631.7	10821.4	11056.4	11240.5	12036.2	12680.4	11062.1
47.5°	10044.1	10092.2	10400.9	10778.9	11232.0	11481.2	11870.5	12268.4	13306.2	13977.3	12075.8
50°	10473.1	10451.8	10756.3	11298.5	11880.4	12207.5	12762.5	13358.6	14566.3	15107.2	12671.9
52.5°	10930.4	10921.9	11147.0	11863.4	12645.0	13027.3	13760.7	14485.6	15771.2	15885.9	12945.2
55°	11496.7	11435.9	11625.6	12507.7	13552.6	13963.2	14826.8	15601.3	16731.2	16324.8	13082.5
57.5°	12090.0	11989.5	12170.7	13225.5	14576.2	15061.9	16007.7	16688.7	17369.7	16625.0	13081.1
60°	12703.1	12584.1	12799.3	14123.2	15847.7	16409.8	17287.6	17423.5	17965.8	16776.5	12984.8
62.5°	13215.6	13144.8	13464.8	15083.1	17267.8	17820.0	18254.6	18091.8	18468.4	16894.0	12759.7
65°	13757.9	13762.1	14278.9	16203.0	18777.1	19149.4	19186.3	18958.3	18888.9	16869.9	11998.0
67.5°	14491.3	14559.2	15421.5	17723.7	20245.3	20532.7	20529.9	19897.0	19196.2	15912.8	10308.8
70°	15267.2	15427.2	16738.2	19463.8	21848.1	22139.7	21989.6	20494.5	18074.8	12867.3	7295.9
72.5°	15136.9	15414.4	17470.2	20561.0	22999.2	23221.4	22245.9	19026.3	14286.0	7478.5	3106.4
75°	11678.0	11999.4	16019.0	19473.7	21791.4	21591.8	19114.0	14805.6	7807.0	2087.0	699.4
77.5°	6168.9	6340.2	10582.1	14835.3	16991.7	16574.0	13464.8	8213.4	2380.1	516.8	314.3
80°	3231.0	3270.6	4611.4	8417.3	10487.2	10490.1	7979.8	3607.6	981.2	264.8	211.0
82.5°	1730.2	1764.2	2436.7	3889.4	5494.9	4981.0	3055.4	1985.0	570.6	150.1	202.5
85°	416.3	423.3	1381.9	1776.9	2160.6	1543.3	907.6	1666.5	154.3	87.8	164.2
87.5°	160.0	162.8	512.5	768.8	550.8	356.8	424.8	621.6	19.8	34.0	25.5
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: P323794  
 CATALOG NUMBER: GAN-SAOA-730-U-SL4-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6269.4	6269.4	6269.4	6269.4	6269.4	6269.4	6269.4	6269.4	6269.4	6269.4	6269.4
2.5°	6207.1	6170.3	6079.7	5965.0	5863.1	5789.4	5679.0	5606.8	5558.6	5557.2	5538.8
5°	6049.9	5974.9	5779.5	5547.3	5336.4	5146.6	4922.9	4745.9	4614.3	4593.0	4547.7
7.5°	5881.5	5758.3	5458.1	5095.7	4741.7	4382.1	3964.4	3705.3	3483.0	3376.8	3365.5
10°	5778.1	5605.4	5179.2	4655.3	4100.3	3515.6	2969.0	2591.0	2317.8	2239.9	2181.8
12.5°	5756.9	5528.9	4964.0	4241.9	3449.0	2676.0	2071.4	1669.3	1451.3	1381.9	1363.5
15°	5778.1	5493.5	4782.8	3832.7	2789.2	1898.7	1390.4	1156.8	1074.6	1054.8	1053.4
17.5°	5790.8	5451.0	4577.5	3378.2	2149.3	1356.4	1064.7	996.8	984.0	982.6	985.4
20°	5789.4	5385.9	4332.5	2871.4	1598.5	1066.1	962.8	948.6	945.8	947.2	945.8
22.5°	5779.5	5309.5	4063.5	2348.9	1207.7	952.9	918.9	910.4	909.0	909.0	909.0
25°	5797.9	5248.6	3767.6	1849.1	995.3	900.5	879.2	872.2	870.8	870.8	867.9
27.5°	5864.5	5214.6	3443.4	1422.9	899.1	853.8	836.8	835.4	831.1	829.7	832.5
30°	5972.1	5214.6	3088.0	1107.2	841.0	805.6	792.9	790.0	788.6	787.2	788.6
32.5°	6161.8	5254.2	2700.0	920.3	785.8	751.8	743.3	747.6	743.3	743.3	743.3
35°	6504.4	5373.2	2293.7	802.8	727.7	699.4	690.9	696.6	693.8	693.8	692.4
37.5°	7004.2	5594.0	1884.5	732.0	676.8	647.0	635.7	644.2	641.4	641.4	640.0
40°	7613.1	5915.4	1495.1	678.2	627.2	596.1	586.2	590.4	583.3	583.3	586.2
42.5°	8364.9	6323.2	1155.3	625.8	577.7	547.9	542.3	538.0	525.3	518.2	519.6
45°	9200.2	6748.0	900.5	574.8	530.9	506.9	498.4	487.1	465.8	451.7	453.1
47.5°	9946.4	7075.0	732.0	525.3	488.5	470.1	457.3	436.1	404.9	387.9	389.4
50°	10338.6	7124.6	623.0	475.7	448.8	430.4	412.0	379.4	342.6	324.2	322.8
52.5°	10439.1	6892.4	542.3	430.4	409.2	387.9	363.9	320.0	278.9	259.1	256.3
55°	10475.9	6538.4	470.1	387.9	366.7	342.6	311.5	261.9	223.7	203.9	202.5
57.5°	10354.1	6010.3	413.4	349.7	324.2	294.5	256.3	209.5	172.7	157.2	157.2
60°	10083.7	5295.3	369.5	308.7	280.3	246.4	206.7	162.8	128.8	116.1	116.1
62.5°	9544.3	4369.3	328.5	266.2	239.3	203.9	167.1	123.2	90.6	83.5	85.0
65°	8526.3	3314.5	287.4	228.0	203.9	168.5	130.3	87.8	60.9	60.9	63.7
67.5°	6953.3	2302.2	244.9	194.0	175.6	137.3	99.1	60.9	42.5	48.1	53.8
70°	4602.9	1291.3	209.5	160.0	150.1	109.0	73.6	41.1	34.0	45.3	55.2
72.5°	1737.3	502.6	175.6	128.8	130.3	83.5	52.4	31.1	31.1	49.6	65.1
75°	484.2	246.4	126.0	94.9	101.9	60.9	38.2	26.9	29.7	56.6	76.5
77.5°	284.6	181.2	82.1	55.2	69.4	42.5	25.5	21.2	25.5	48.1	73.6
80°	229.4	96.3	48.1	28.3	38.2	24.1	17.0	12.7	7.1	18.4	38.2
82.5°	229.4	58.1	22.7	19.8	19.8	12.7	8.5	5.7	1.4	0.0	9.9
85°	154.3	24.1	14.2	12.7	9.9	4.2	2.8	1.4	0.0	0.0	0.0
87.5°	25.5	9.9	5.7	2.8	1.4	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)