

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: P323492

Luminaire Tested: **GAN-SA8C-730-U-SL3-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P323492  
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-SA8C-730-U-SL3-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 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: 44102 lumens  
Efficiency: N/A  
Efficacy: 99.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

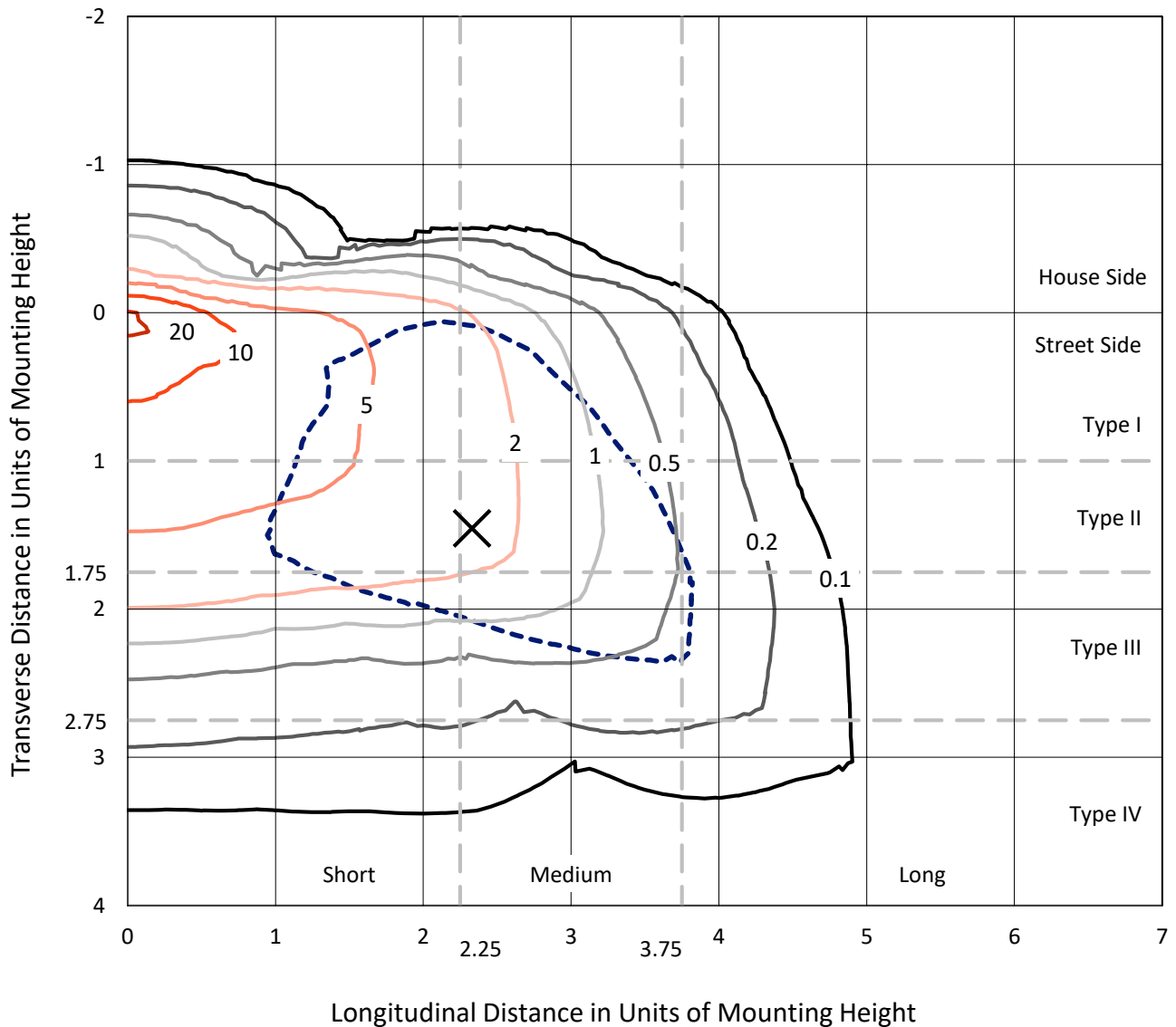
Input Watts (W): 445  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

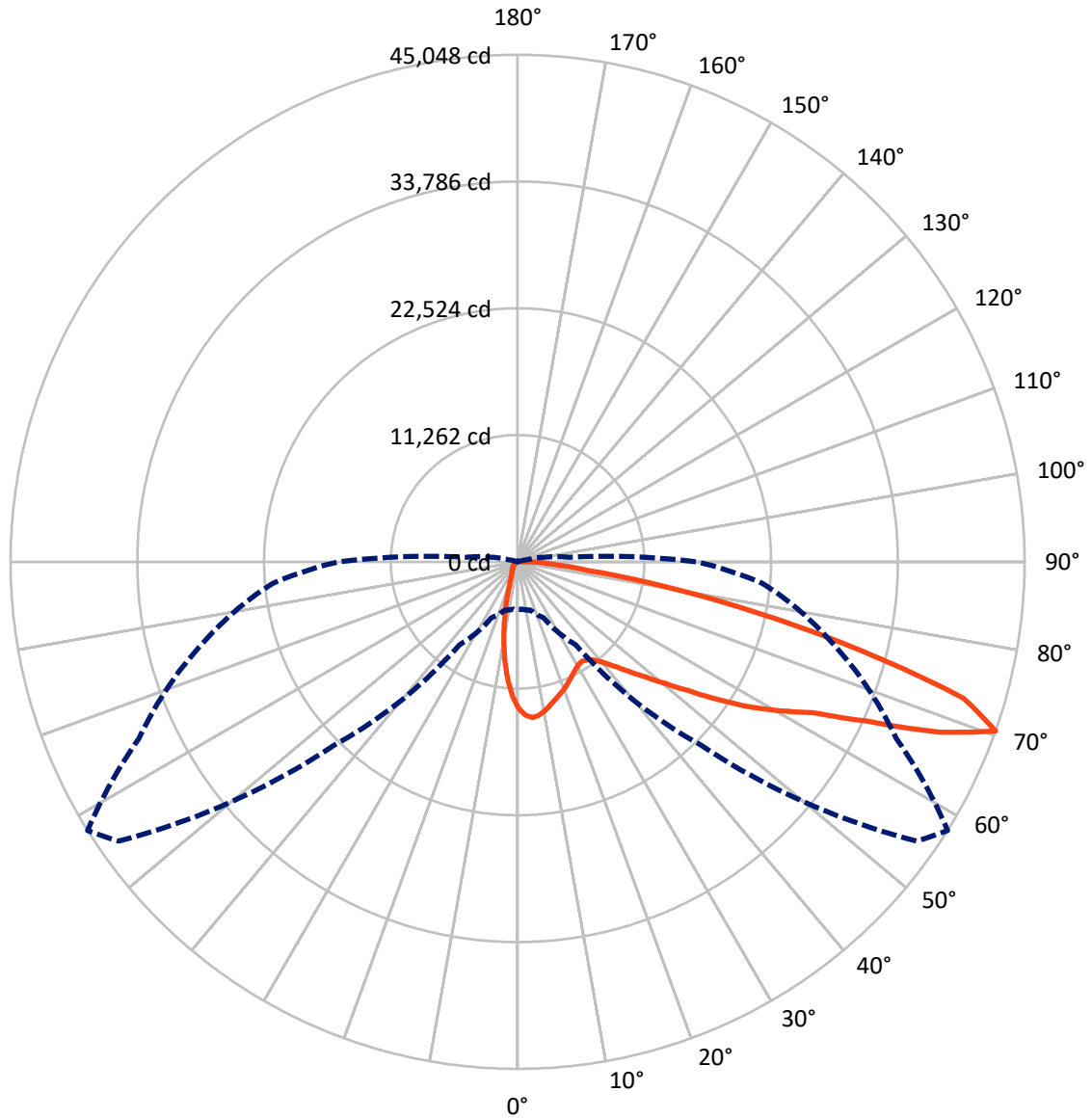
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.2 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3774.1	0.0	3774.1
	% Fixture	8.6	0.0	8.6
<b>Street Side</b>	Lumens	40327.8	0.0	40327.8
	% Fixture	91.4	0.0	91.4
<b>Total</b>	Lumens	44102.0	0.0	44102.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1065.3	2.4
10°-20°	2235.9	5.1
20°-30°	2939.4	6.7
30°-40°	3892.9	8.8
40°-50°	5818.6	13.2
50°-60°	9321.2	21.1
60°-70°	11749.3	26.6
70°-80°	6337.5	14.4
80°-90°	741.8	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°	44102.0	100.0
0°-180°	44102.0	100.0

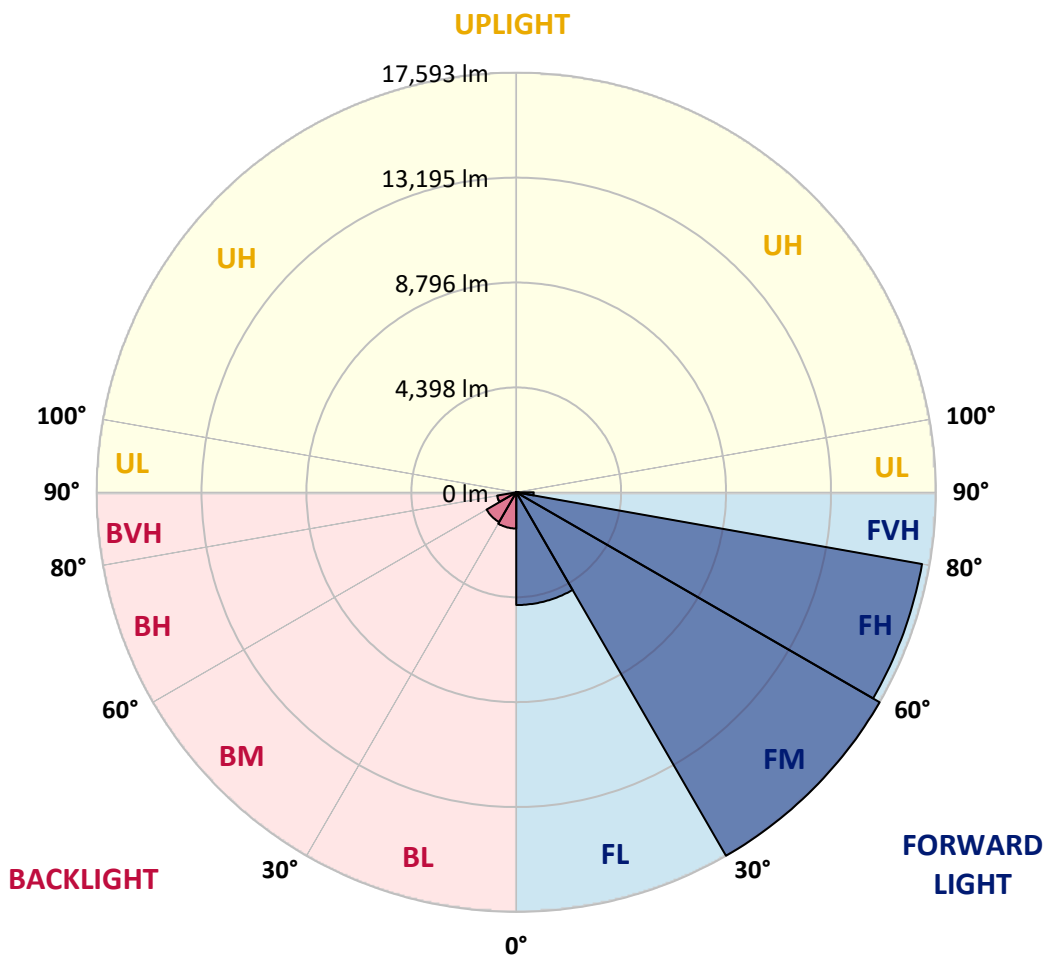


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4724.2	10.7			
FM (30°-60°)	17593.0	39.9			
FH (60°-80°)	17275.2	39.2			G5
FVH (80°-90°)	735.4	1.7			G4/750
BL (0°-30°)	1516.3	3.4	B3/2500		
BM (30°-60°)	1439.8	3.3	B2/2500		
BH (60°-80°)	811.6	1.8	B2/1000		G2/1000
BVH (80°-90°)	6.4	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	13027.5	13027.5	13027.5	13027.5	13027.5	13027.5	13027.5	13027.5	13027.5	13027.5	13027.5
2.5°	14107.6	14072.8	14060.0	14038.0	13953.6	13871.1	13707.9	13662.0	13559.3	13315.4	13056.9
5°	14118.7	14116.8	14155.3	14146.2	14116.8	14078.3	13960.9	13900.4	13726.2	13377.8	12904.7
7.5°	13438.3	13473.1	13559.3	13629.0	13709.7	13814.2	13828.9	13770.2	13627.2	13251.2	12624.1
10°	12525.1	12580.1	12701.1	12838.6	13049.5	13258.6	13445.6	13438.3	13388.8	13018.4	12286.7
12.5°	11610.0	11674.2	11813.5	12017.1	12316.0	12657.1	12990.8	13036.7	13119.2	12809.3	11974.9
15°	10808.6	10863.6	11001.1	11250.5	11621.0	12079.4	12569.1	12653.4	12866.1	12646.1	11714.5
17.5°	10128.2	10163.1	10263.9	10540.8	10970.0	11525.6	12162.0	12327.0	12644.3	12517.7	11488.9
20°	9653.3	9658.8	9724.8	9919.2	10348.3	10970.0	11740.2	11976.7	12409.5	12407.7	11256.0
22.5°	9418.5	9400.2	9413.0	9524.9	9840.3	10440.0	11318.4	11599.0	12198.6	12314.2	11019.5
25°	9374.5	9359.9	9323.2	9337.9	9528.6	9976.0	10892.9	11217.5	12013.4	12257.3	10814.1
27.5°	9512.1	9526.7	9464.4	9398.4	9413.0	9675.3	10515.2	10891.1	11863.0	12257.3	10669.2
30°	9789.0	9796.3	9750.5	9664.3	9548.7	9590.9	10252.9	10628.9	11787.9	12341.7	10577.5
32.5°	10095.2	10135.6	10130.1	10060.4	9895.3	9724.8	10190.6	10533.5	11782.4	12528.7	10568.4
35°	10474.8	10520.7	10597.7	10583.0	10410.6	10130.1	10403.3	10672.9	11890.5	12836.8	10667.4
37.5°	10878.3	10948.0	11113.0	11191.9	11080.0	10762.7	10880.1	11072.7	12180.3	13335.6	10918.6
40°	11268.9	11347.7	11648.5	11958.4	11874.0	11547.6	11602.6	11756.7	12695.6	14052.6	11395.4
42.5°	11652.2	11769.5	12211.5	12721.3	12822.1	12561.7	12591.1	12713.9	13460.3	15039.2	12174.8
45°	12110.6	12242.6	12897.3	13526.3	13795.9	13682.2	13806.9	13887.6	14459.7	16343.1	13225.6
47.5°	12783.6	12935.8	13739.0	14456.1	14929.2	15002.6	15253.8	15307.0	15723.3	17861.5	14595.4
50°	14096.6	14138.8	14865.0	15516.0	16198.2	16638.3	16924.4	16964.8	17252.7	19521.1	16306.4
52.5°	15748.9	15776.4	16187.2	16623.7	17399.4	18297.9	18967.3	19024.1	19084.7	21138.5	17995.4
55°	17390.2	17386.5	17657.9	17914.7	18802.2	20107.9	21560.3	21595.2	21160.6	22673.5	19286.4
57.5°	18415.3	18514.3	18927.0	19257.0	20496.7	22171.0	24186.4	24314.7	23341.0	23810.4	20562.7
60°	18088.9	18136.6	19051.7	20273.0	22607.4	25103.3	26843.6	26876.6	24980.4	24945.6	22176.5
62.5°	15411.5	15437.2	16874.9	19392.7	23676.6	28906.6	30049.1	29511.8	26865.6	26520.8	24107.5
65°	10562.9	10729.7	11930.9	15042.9	21712.5	31292.5	35011.5	34122.1	29739.2	28791.1	25853.3
67.5°	6220.3	6185.5	6779.7	9072.0	15947.0	29708.0	41288.7	40404.8	33658.1	30311.4	25341.7
70°	4249.0	4225.1	4452.5	5492.3	9002.3	23045.7	43263.7	45048.0	37118.5	29288.1	21809.7
72.5°	3033.2	3046.0	3381.6	4267.3	5651.9	13427.3	37204.7	41428.0	36034.7	25532.4	16577.8
75°	2059.4	2094.2	2574.7	3500.8	4955.0	6831.0	26401.6	31492.3	29343.1	18556.5	9528.6
77.5°	1107.6	1146.1	1712.8	2820.4	4480.0	4745.9	16983.1	21674.0	18431.8	8342.1	2761.7
80°	462.1	484.1	801.4	2050.2	3871.2	4168.3	9992.5	13143.1	7854.3	1644.9	616.2
82.5°	199.9	210.9	333.8	1223.2	2893.8	3519.1	5290.6	6323.0	2380.3	361.3	309.9
85°	38.5	40.3	137.5	647.3	1846.7	1986.0	3429.3	3361.4	1069.1	155.9	225.6
87.5°	0.0	0.0	33.0	203.6	542.8	1082.0	2092.4	2066.7	363.1	75.2	84.4
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°	13027.5	13027.5	13027.5	13027.5	13027.5	13027.5	13027.5	13027.5	13027.5	13027.5	13027.5
2.5°	12924.8	12798.3	12532.4	12204.1	11952.9	11676.0	11455.9	11177.2	11056.2	11061.7	10995.6
5°	12635.1	12374.7	11786.0	11043.3	10471.2	9880.7	9372.7	8866.6	8567.6	8470.5	8378.8
7.5°	12220.6	11808.0	10869.1	9724.8	8756.5	7810.3	6986.9	6262.5	5804.1	5580.3	5497.8
10°	11753.0	11173.5	9814.7	8307.2	6924.5	5644.5	4577.2	3649.3	3278.9	3027.7	2963.5
12.5°	11342.2	10557.4	8784.0	6853.0	5211.7	3667.7	2649.9	2072.2	1821.0	1722.0	1705.5
15°	10955.3	9981.5	7791.9	5536.3	3609.0	2257.4	1685.3	1489.1	1430.4	1413.9	1413.9
17.5°	10590.4	9433.2	6821.8	4239.8	2387.6	1582.6	1395.5	1351.5	1333.2	1331.4	1333.2
20°	10208.9	8884.9	5868.3	3106.5	1667.0	1340.5	1289.2	1265.3	1259.8	1259.8	1259.8
22.5°	9844.0	8336.6	4940.3	2218.9	1336.9	1223.2	1197.5	1181.0	1175.5	1173.7	1170.0
25°	9493.7	7815.8	4034.4	1567.9	1173.7	1120.5	1098.5	1076.5	1060.0	1050.8	1045.3
27.5°	9205.8	7351.8	3190.9	1258.0	1060.0	1014.1	986.6	953.6	913.2	894.9	887.6
30°	8976.6	6928.2	2459.2	1061.8	953.6	907.7	865.6	808.7	750.0	718.9	717.0
32.5°	8796.9	6511.9	1866.8	938.9	858.2	801.4	740.9	669.3	601.5	566.7	564.8
35°	8708.9	6145.2	1426.7	849.1	773.9	702.4	627.2	548.3	482.3	449.3	445.6
37.5°	8767.5	5835.2	1113.1	773.9	702.4	619.8	531.8	449.3	390.6	361.3	359.4
40°	8982.1	5637.2	904.1	709.7	641.8	541.0	445.6	368.6	319.1	295.2	293.4
42.5°	9438.7	5563.8	772.0	656.5	583.2	467.6	370.4	304.4	258.6	242.1	238.4
45°	10201.6	5672.0	682.2	605.2	522.6	397.9	306.2	249.4	209.1	196.2	194.4
47.5°	11217.5	5956.3	618.0	555.7	467.6	335.6	254.9	201.7	170.5	157.7	155.9
50°	12526.9	6407.4	564.8	506.1	416.3	284.2	210.9	159.5	132.0	122.9	122.9
52.5°	13951.8	6944.7	517.1	460.3	364.9	236.6	170.5	122.9	104.5	93.5	93.5
55°	15129.1	7414.2	465.8	425.4	302.6	196.2	130.2	93.5	77.0	71.5	71.5
57.5°	16304.6	7914.8	407.1	364.9	242.1	159.5	99.0	69.7	56.8	53.2	53.2
60°	17828.5	8527.3	350.3	297.1	190.7	121.0	73.4	49.5	42.2	40.3	40.3
62.5°	19504.6	8886.7	298.9	238.4	148.5	89.9	53.2	33.0	31.2	31.2	29.3
65°	20529.7	8378.8	251.2	190.7	115.5	67.9	34.8	23.8	27.5	25.7	22.0
67.5°	19222.2	6559.6	205.4	148.5	89.9	51.3	22.0	16.5	29.3	23.8	18.3
70°	15915.8	4591.9	159.5	104.5	71.5	44.0	14.7	11.0	31.2	23.8	14.7
72.5°	11910.7	3073.5	126.5	69.7	53.2	38.5	12.8	5.5	27.5	20.2	12.8
75°	6508.3	1237.8	100.9	44.0	33.0	27.5	9.2	3.7	18.3	14.7	9.2
77.5°	1712.8	326.4	73.4	29.3	18.3	11.0	5.5	1.8	9.2	7.3	3.7
80°	436.5	126.5	47.7	20.2	12.8	5.5	0.0	0.0	1.8	0.0	0.0
82.5°	232.9	53.2	29.3	14.7	7.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	176.0	34.8	16.5	9.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	67.9	11.0	5.5	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)