

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: P322940

Luminaire Tested: **GAN-SA6D-750-U-T4W-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P322940  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6D-750-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33635 lumens  
Efficiency: N/A  
Efficacy: 88.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G5

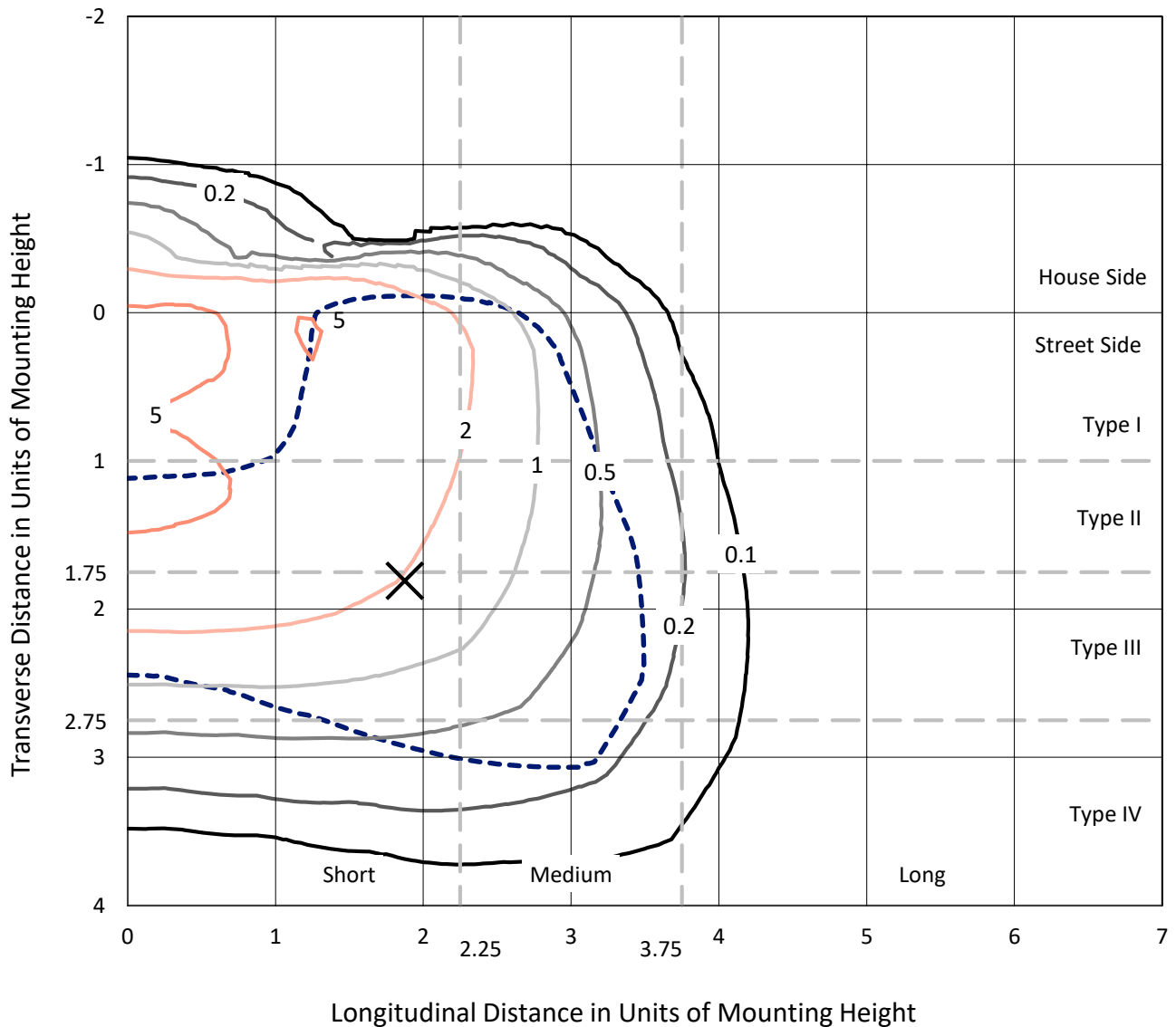
Input Watts (W): 382  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

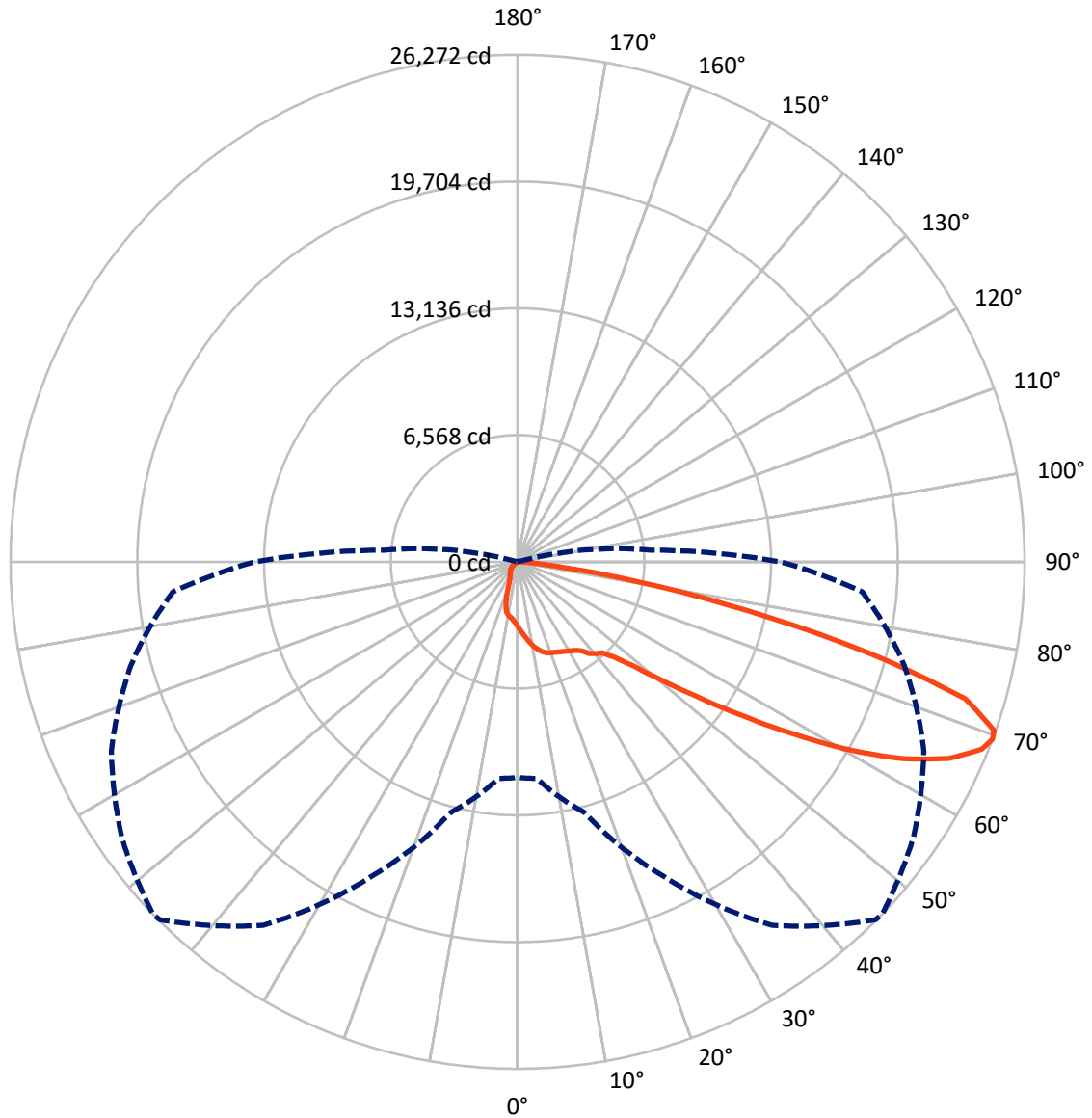
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3451.9	0.0	3451.9
	% Fixture	10.3	0.0	10.3
<b>Street Side</b>	Lumens	30183.1	0.0	30183.1
	% Fixture	89.7	0.0	89.7
<b>Total</b>	Lumens	33635.0	0.0	33635.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	335.4	1.0
10°-20°	1017.6	3.0
20°-30°	1600.4	4.8
30°-40°	2295.0	6.8
40°-50°	3966.7	11.8
50°-60°	7836.5	23.3
60°-70°	10952.2	32.6
70°-80°	5291.1	15.7
80°-90°	340.1	1.0
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°	33635.0	100.0
0°-180°	33635.0	100.0

**Coefficient of Utilization**



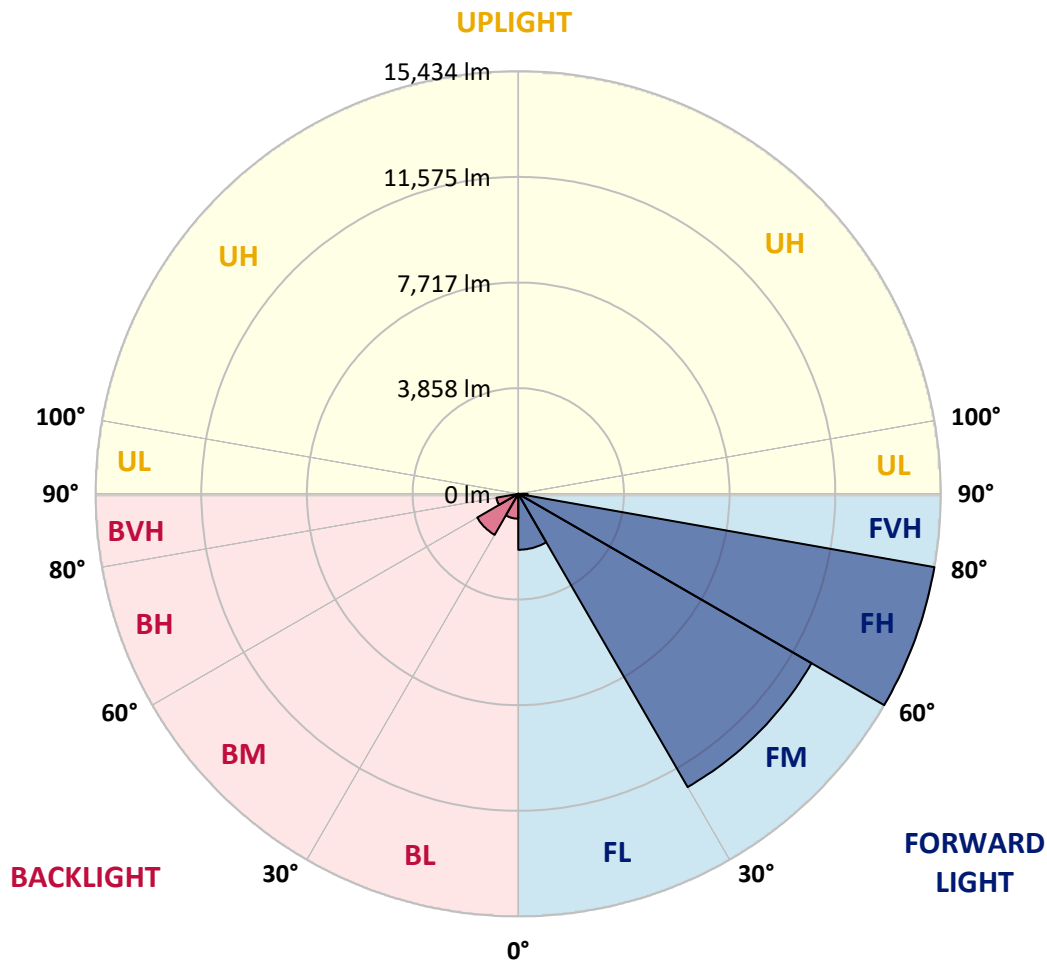
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2043.7	6.1			
FM (30°-60°)	12368.3	36.8			
FH (60°-80°)	15433.9	45.9			G5
FVH (80°-90°)	337.2	1.0			G3/500
BL (0°-30°)	909.8	2.7	B2/1000		
BM (30°-60°)	1729.8	5.1	B2/2500		
BH (60°-80°)	809.4	2.4	B2/1000		G2/1000
BVH (80°-90°)	2.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G5**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	3370.1	3370.1	3370.1	3370.1	3370.1	3370.1	3370.1	3370.1	3370.1	3370.1	3370.1
2.5°	3743.9	3739.1	3717.0	3707.6	3654.0	3622.4	3609.8	3570.4	3513.6	3456.8	3393.8
5°	4169.7	4168.1	4127.1	4087.6	3986.7	3892.1	3874.7	3783.3	3655.5	3535.7	3415.8
7.5°	4604.9	4584.4	4543.4	4467.7	4321.0	4169.7	4155.5	4026.1	3844.8	3671.3	3499.4
10°	4973.9	4961.3	4907.7	4792.6	4620.7	4448.8	4431.4	4272.2	4067.1	3854.2	3635.0
12.5°	5261.0	5251.5	5180.5	5037.0	4854.1	4675.9	4652.2	4510.3	4291.1	4053.0	3794.3
15°	5436.0	5431.3	5344.5	5191.6	5011.8	4857.2	4836.7	4712.1	4508.7	4259.5	3967.8
17.5°	5477.0	5478.6	5388.7	5234.1	5085.9	4975.5	4959.7	4865.1	4694.8	4447.2	4141.3
20°	5385.5	5404.5	5324.0	5190.0	5098.5	5040.2	5027.6	4970.8	4827.3	4593.9	4280.0
22.5°	5256.2	5265.7	5210.5	5120.6	5082.7	5093.8	5087.5	5055.9	4934.5	4720.0	4417.2
25°	5177.4	5177.4	5144.3	5068.6	5093.8	5161.6	5163.2	5156.9	5060.7	4874.6	4584.4
27.5°	5174.2	5164.8	5126.9	5070.1	5139.5	5243.6	5249.9	5292.5	5232.6	5062.2	4792.6
30°	5300.4	5289.3	5208.9	5134.8	5223.1	5335.1	5350.8	5443.9	5413.9	5265.7	5024.4
32.5°	5595.3	5555.9	5377.7	5256.2	5322.5	5456.5	5477.0	5625.2	5672.6	5516.4	5248.3
35°	5999.0	5874.4	5617.4	5486.5	5492.8	5633.1	5652.1	5869.7	6010.0	5746.7	5421.8
37.5°	6555.7	6494.2	6076.3	5726.2	5754.6	5967.5	6022.7	6259.2	6219.8	5872.8	5618.9
40°	7776.3	7680.1	7235.4	6398.0	6005.3	6238.7	6256.1	6382.2	6385.4	6158.3	6029.0
42.5°	9438.5	9399.1	8930.7	7617.0	6498.9	6420.1	6451.6	6664.5	6902.6	6760.7	6754.4
45°	11278.9	11258.4	10761.6	9235.1	7497.2	7014.6	7054.0	7339.5	7795.2	7826.8	8027.1
47.5°	12759.7	12750.2	12464.8	11040.7	9025.3	8022.3	8034.9	8337.7	9138.9	9534.7	9854.8
50°	14109.6	14155.4	13929.9	12994.7	11107.0	9600.9	9571.0	9772.8	11059.7	11707.8	12105.2
52.5°	15986.3	16051.0	15418.6	14817.7	13291.2	11559.6	11535.9	11747.3	13368.4	13854.2	13925.1
55°	17643.7	17533.4	17033.4	16860.0	15954.8	13978.7	13972.4	14158.5	15601.5	15808.1	15939.0
57.5°	18375.5	18332.9	18574.2	18971.6	18744.5	16837.9	16823.7	16681.8	17599.6	17621.7	18023.8
60°	18837.6	18889.6	19629.2	20854.6	21420.7	19914.7	19823.2	18957.4	19507.8	19458.9	19889.4
62.5°	18490.6	18593.1	19924.1	21966.4	23423.5	22600.3	22471.0	21042.2	21138.4	20969.7	21370.3
65°	16648.6	16807.9	18989.0	21756.6	24417.1	24699.4	24568.5	22882.6	22433.2	22155.6	21933.3
67.5°	13518.3	13612.9	15890.1	19932.0	23969.2	25951.5	25924.7	24495.9	23410.9	21955.3	20230.1
69°	11171.6	11264.7	13456.7	18011.2	22983.6	26219.6	26271.7	25013.2	23224.8	20737.9	17924.5
70°	9462.1	9561.5	11603.7	16364.8	21840.2	26095.0	26188.1	24964.3	22691.8	19328.0	15901.1
72.5°	4962.9	5048.1	7143.9	11274.1	17804.6	23961.3	24243.6	22854.2	19235.0	14037.1	9402.2
75°	1559.7	1608.6	2789.8	5893.3	12190.4	18631.0	18695.6	17927.6	13658.6	7721.1	3915.8
77.5°	594.5	580.3	928.9	2171.6	6163.0	11731.5	12127.3	11203.2	7167.6	2729.8	903.6
80°	320.1	321.7	482.6	898.9	2636.8	6029.0	6363.3	5429.7	2546.9	851.6	208.2
82.5°	138.8	145.1	271.2	476.3	1211.2	2223.6	2390.8	1990.2	973.0	572.5	77.3
85°	30.0	33.1	130.9	258.6	493.6	624.5	654.5	645.0	619.8	444.7	30.0
87.5°	0.0	0.0	58.3	93.0	124.6	141.9	124.6	162.4	342.2	299.6	15.8
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°	3370.1	3370.1	3370.1	3370.1	3370.1	3370.1	3370.1	3370.1	3370.1	3370.1	3370.1
2.5°	3373.3	3344.9	3296.0	3242.4	3204.5	3165.1	3133.5	3119.4	3103.6	3092.5	3106.7
5°	3366.9	3311.8	3217.1	3125.7	3059.4	3005.8	2961.7	2944.3	2927.0	2914.3	2912.8
7.5°	3422.1	3344.9	3199.8	3065.7	2963.2	2890.7	2830.8	2805.5	2785.0	2775.6	2767.7
10°	3527.8	3428.5	3234.5	3059.4	2927.0	2803.9	2674.6	2575.3	2510.6	2480.7	2469.6
12.5°	3665.0	3540.4	3300.7	3092.5	2900.1	2663.6	2389.2	2152.6	1999.7	1949.2	1919.2
15°	3825.9	3671.3	3387.4	3135.1	2802.4	2370.3	1905.0	1595.9	1454.0	1425.6	1394.1
17.5°	3980.4	3810.1	3491.5	3143.0	2587.9	1894.0	1395.7	1185.9	1130.7	1149.7	1154.4
20°	4116.0	3947.3	3594.0	3073.6	2198.4	1420.9	1080.3	1028.2	1048.7	1085.0	1091.3
22.5°	4253.2	4079.8	3688.7	2890.7	1700.0	1078.7	973.0	985.6	1006.1	1042.4	1048.7
25°	4420.4	4240.6	3777.0	2554.8	1275.8	917.8	924.1	943.1	963.6	996.7	999.8
27.5°	4612.8	4444.1	3835.3	2117.9	946.2	843.7	864.2	892.6	913.1	944.6	950.9
30°	4868.3	4712.1	3854.2	1665.3	793.2	777.5	786.9	821.6	851.6	880.0	884.7
32.5°	5108.0	4977.1	3791.2	1256.9	734.9	716.0	716.0	736.5	771.2	798.0	804.3
35°	5328.8	5243.6	3589.3	919.4	690.7	659.2	643.4	643.4	665.5	687.6	693.9
37.5°	5620.5	5617.4	3262.9	733.3	648.2	611.9	578.8	553.5	545.7	550.4	553.5
40°	6120.4	6125.2	2837.1	657.6	611.9	563.0	512.5	466.8	424.2	410.0	408.4
42.5°	6901.1	6830.1	2390.8	621.3	580.3	512.5	436.8	375.3	309.1	288.6	287.0
45°	8140.6	7719.5	1917.7	588.2	547.2	455.8	361.1	277.6	223.9	208.2	208.2
47.5°	9946.3	8888.1	1485.6	552.0	503.1	391.1	272.8	200.3	164.0	156.1	157.7
50°	11813.5	10033.0	1138.6	506.2	449.5	323.3	201.9	145.1	124.6	124.6	126.2
52.5°	13469.4	10872.0	887.9	457.3	383.2	253.9	153.0	113.5	104.1	102.5	104.1
55°	15019.6	11412.9	679.7	400.6	304.4	189.2	116.7	93.0	86.7	83.6	82.0
57.5°	16514.6	11681.0	509.4	323.3	220.8	137.2	93.0	78.9	72.5	67.8	66.2
60°	17509.7	11463.4	350.1	238.1	153.0	99.4	77.3	67.8	59.9	55.2	53.6
62.5°	18071.1	10868.9	225.5	171.9	108.8	74.1	61.5	56.8	45.7	41.0	41.0
65°	17844.0	9887.9	157.7	123.0	78.9	55.2	45.7	45.7	33.1	26.8	25.2
67.5°	15812.8	8353.5	119.9	91.5	56.8	41.0	34.7	39.4	20.5	12.6	12.6
69°	13605.0	6923.1	102.5	75.7	47.3	33.1	30.0	36.3	14.2	9.5	7.9
70°	11824.5	5972.2	93.0	66.2	39.4	28.4	26.8	34.7	14.2	7.9	6.3
72.5°	7074.5	3330.7	71.0	47.3	25.2	22.1	22.1	39.4	14.2	7.9	6.3
75°	2859.1	1173.3	52.0	33.1	18.9	18.9	26.8	50.5	12.6	6.3	4.7
77.5°	648.2	257.1	30.0	20.5	12.6	18.9	31.5	39.4	7.9	3.2	0.0
80°	157.7	63.1	18.9	12.6	7.9	14.2	23.7	22.1	1.6	0.0	0.0
82.5°	52.0	22.1	7.9	6.3	1.6	4.7	11.0	6.3	0.0	0.0	0.0
85°	22.1	12.6	3.2	1.6	0.0	0.0	1.6	0.0	0.0	0.0	0.0
87.5°	14.2	4.7	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

(END OF REPORT)