

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: P323840

Luminaire Tested: **GAN-SA6B-740-U-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323840
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-SA6B-740-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 800mA 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: 27741 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

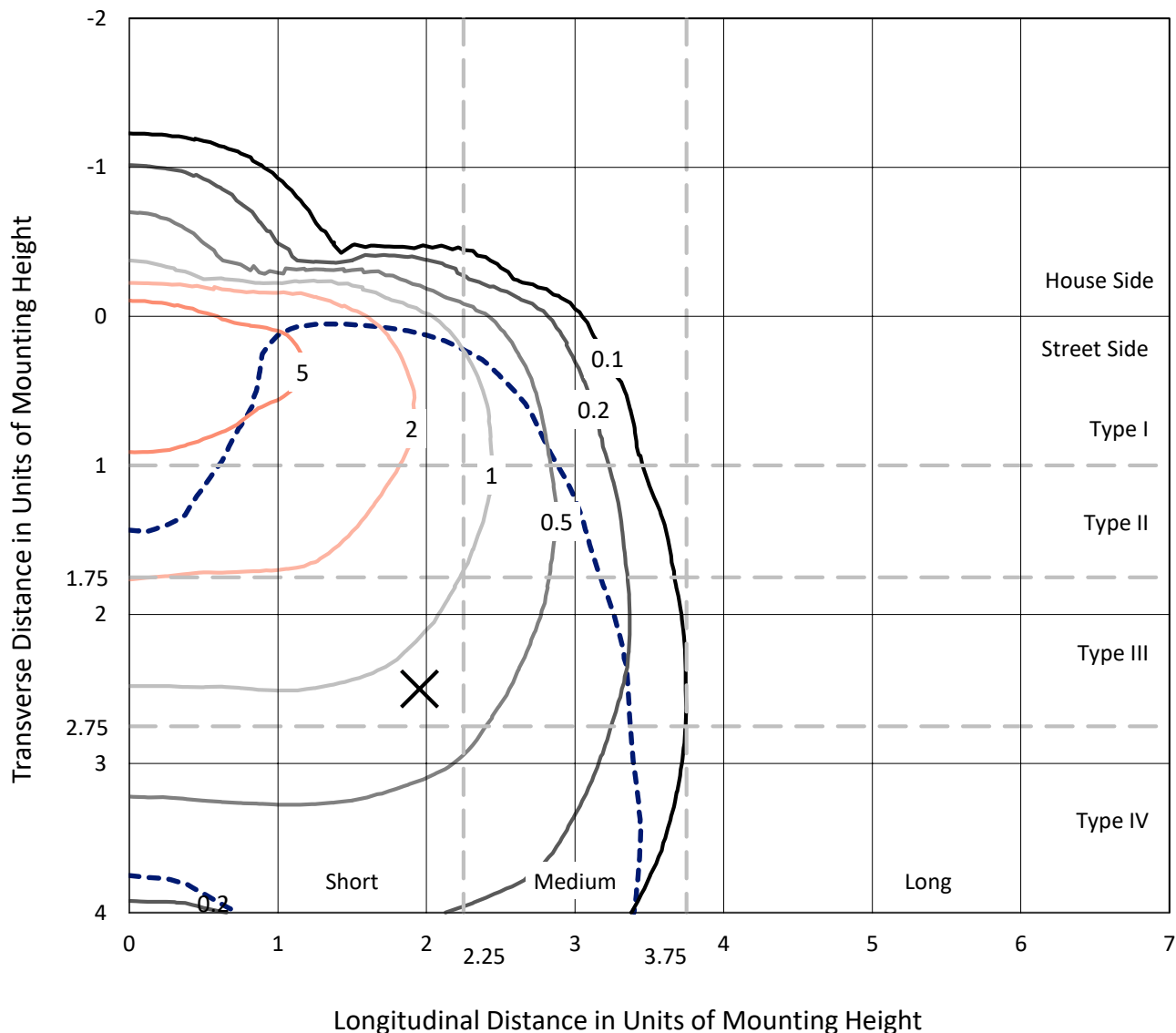
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

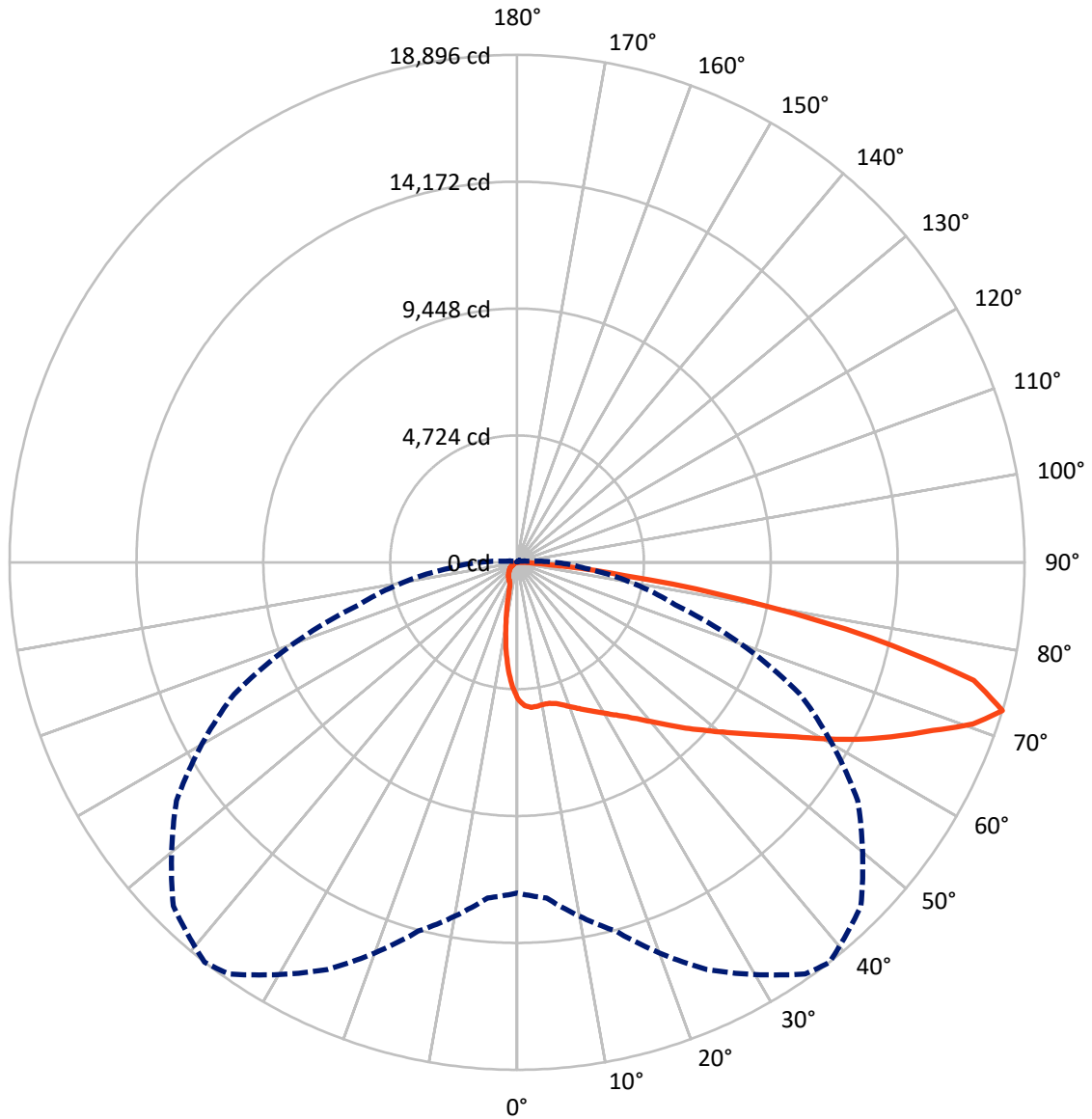
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2334.5	0.0	2334.5
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	25406.5	0.0	25406.5
	% Fixture	91.6	0.0	91.6
Total	Lumens	27741.0	0.0	27741.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	434.7	1.6
10°-20°	1063.0	3.8
20°-30°	1690.8	6.1
30°-40°	2541.9	9.2
40°-50°	3877.8	14.0
50°-60°	5480.6	19.8
60°-70°	6874.5	24.8
70°-80°	5140.2	18.5
80°-90°	637.4	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°	27741.0	100.0
0°-180°	27741.0	100.0

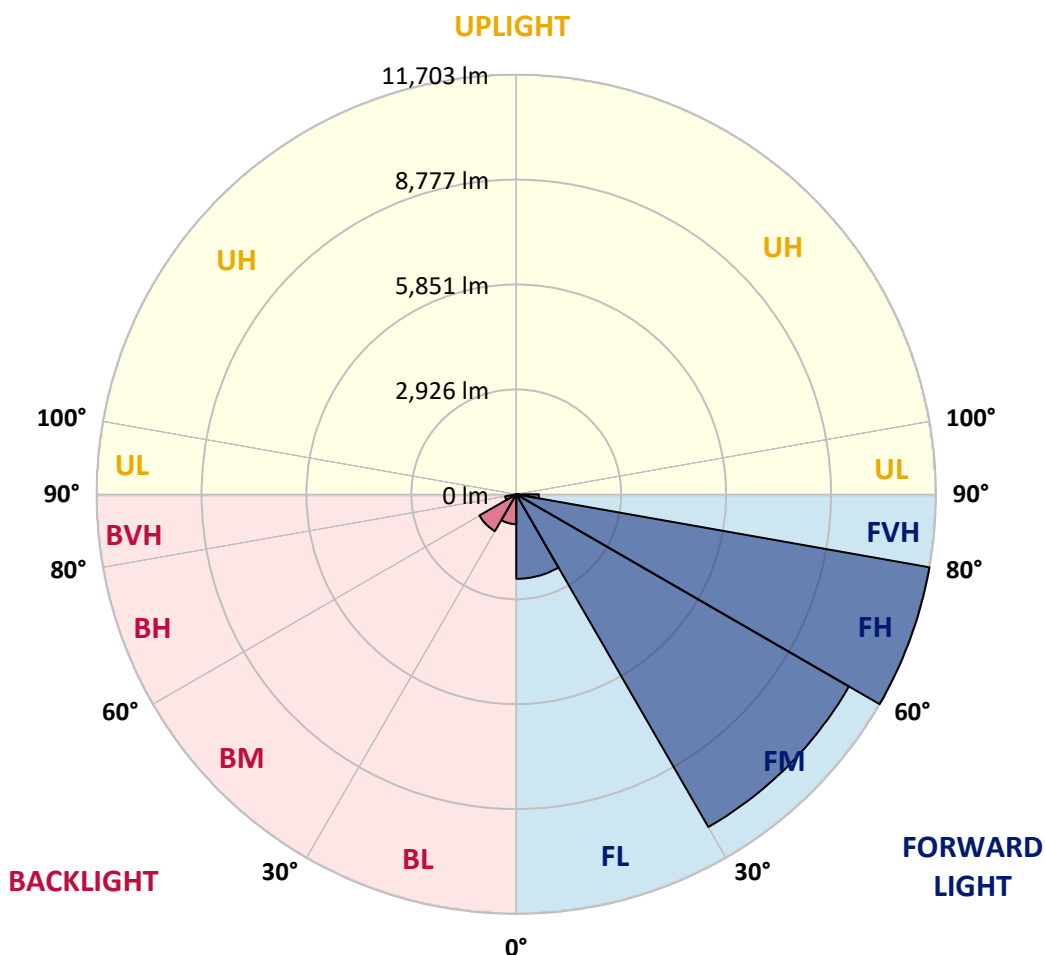


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2357.3	8.5			
FM (30°-60°)	10714.8	38.6			
FH (60°-80°)	11702.9	42.2			G4/12000
FVH (80°-90°)	631.4	2.3			G4/750
BL (0°-30°)	831.2	3.0	B2/1000		
BM (30°-60°)	1185.5	4.3	B2/2500		
BH (60°-80°)	311.8	1.1	B1/500		G1/500
BVH (80°-90°)	5.9	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-G4
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	5101.5	5101.5	5101.5	5101.5	5101.5	5101.5	5101.5	5101.5	5101.5	5101.5	5101.5
2.5°	5414.8	5416.0	5403.3	5382.6	5356.1	5342.3	5319.2	5282.4	5243.2	5172.9	5096.9
5°	5525.4	5525.4	5509.3	5481.7	5439.0	5426.4	5382.6	5323.8	5243.2	5129.1	5001.2
7.5°	5513.9	5516.2	5494.3	5465.5	5422.9	5411.4	5358.4	5292.7	5192.5	5054.2	4890.6
10°	5454.0	5459.8	5442.5	5428.7	5389.5	5376.8	5327.3	5261.6	5161.4	5013.9	4826.1
12.5°	5393.0	5398.7	5404.5	5417.2	5393.0	5388.4	5349.2	5293.9	5198.3	5045.0	4833.0
15°	5353.8	5365.3	5406.8	5456.3	5462.1	5457.5	5432.1	5380.3	5283.5	5124.5	4882.6
17.5°	5353.8	5372.2	5458.6	5553.1	5586.5	5590.0	5568.1	5495.5	5380.3	5209.8	4928.7
20°	5398.7	5424.1	5558.9	5692.5	5747.8	5747.8	5705.2	5603.8	5469.0	5287.0	4959.8
22.5°	5513.9	5547.3	5716.7	5871.1	5929.8	5917.2	5859.6	5712.1	5561.2	5374.5	4998.9
25°	5740.9	5766.2	5942.5	6098.0	6133.8	6105.0	6032.4	5843.4	5678.7	5493.2	5070.4
27.5°	6033.5	6037.0	6219.0	6350.3	6328.5	6308.9	6217.9	6008.2	5848.0	5662.5	5193.6
30°	6355.0	6355.0	6515.1	6615.3	6548.5	6532.4	6441.4	6207.5	6064.6	5893.0	5368.8
32.5°	6666.0	6679.8	6810.0	6873.4	6798.5	6782.4	6693.7	6459.8	6352.7	6244.4	5641.8
35°	6966.7	6977.1	7100.4	7134.9	7063.5	7068.1	7004.7	6806.6	6766.3	6752.4	6053.1
37.5°	7258.2	7260.5	7386.1	7408.0	7372.3	7411.4	7417.2	7242.1	7317.0	7428.7	6632.6
40°	7524.3	7526.6	7651.1	7707.5	7768.6	7819.3	7864.2	7770.9	8018.6	8277.8	7322.7
42.5°	7737.5	7761.7	7919.5	8026.6	8187.9	8284.7	8406.8	8402.2	8853.9	9243.3	8156.8
45°	7925.3	7966.7	8186.8	8374.6	8651.1	8805.5	8996.7	9146.5	9794.0	10318.2	9001.3
47.5°	8173.0	8212.1	8463.3	8770.9	9139.6	9342.3	9659.2	9982.9	10827.4	11373.5	9826.2
50°	8522.0	8504.8	8752.5	9193.7	9667.2	9933.4	10385.0	10870.0	11852.8	12292.9	10311.3
52.5°	8894.2	8887.3	9070.4	9653.4	10289.4	10600.4	11197.2	11787.1	12833.2	12926.5	10533.6
55°	9355.0	9305.5	9459.9	10177.6	11027.9	11362.0	12064.7	12694.9	13614.3	13283.7	10645.4
57.5°	9837.7	9755.9	9903.4	10761.7	11860.8	12256.0	13025.6	13579.7	14133.9	13527.9	10644.2
60°	10336.6	10239.8	10414.9	11492.2	12895.4	13352.8	14067.1	14177.7	14618.9	13651.2	10565.9
62.5°	10753.7	10696.1	10956.4	12273.3	14051.0	14500.3	14854.0	14721.5	15027.9	13746.8	10382.7
65°	11194.9	11198.4	11618.9	13184.6	15279.1	15582.1	15612.0	15426.6	15370.1	13727.2	9762.9
67.5°	11791.7	11847.0	12548.6	14421.9	16473.8	16707.7	16705.4	16190.4	15620.1	12948.4	8388.4
70°	12423.0	12553.2	13620.1	15837.9	17778.0	18015.3	17893.2	16676.6	14707.6	10470.2	5936.7
72.5°	12317.1	12542.9	14215.7	16730.7	18714.6	18895.5	18101.7	15481.9	11624.6	6085.4	2527.7
75°	9502.5	9764.0	13034.8	15845.9	17731.9	17569.5	15553.3	12047.5	6352.7	1698.2	569.1
77.5°	5019.7	5159.1	8610.8	12071.7	13826.3	13486.4	10956.4	6683.3	1936.7	420.5	255.8
80°	2629.1	2661.3	3752.4	6849.2	8533.6	8535.9	6493.2	2935.5	798.4	215.4	171.7
82.5°	1407.9	1435.5	1982.8	3164.8	4471.3	4053.1	2486.2	1615.2	464.3	122.1	164.7
85°	338.7	344.5	1124.4	1445.9	1758.1	1255.8	738.5	1356.0	125.6	71.4	133.6
87.5°	130.2	132.5	417.1	625.6	448.2	290.3	345.6	505.8	16.1	27.7	20.7
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°	5101.5	5101.5	5101.5	5101.5	5101.5	5101.5	5101.5	5101.5	5101.5	5101.5	5101.5
2.5°	5050.8	5020.8	4947.1	4853.8	4770.8	4710.9	4621.1	4562.3	4523.1	4522.0	4507.0
5°	4922.9	4861.8	4702.9	4513.9	4342.2	4187.9	4005.8	3861.8	3754.7	3737.4	3700.5
7.5°	4785.8	4685.6	4441.3	4146.4	3858.4	3565.7	3225.9	3015.0	2834.2	2747.7	2738.5
10°	4701.7	4561.1	4214.4	3788.1	3336.5	2860.7	2415.9	2108.3	1886.0	1822.6	1775.4
12.5°	4684.4	4498.9	4039.2	3451.7	2806.5	2177.5	1685.5	1358.3	1180.9	1124.4	1109.5
15°	4701.7	4470.1	3891.8	3118.7	2269.6	1545.0	1131.4	941.3	874.4	858.3	857.2
17.5°	4712.1	4435.6	3724.7	2748.9	1748.9	1103.7	866.4	811.1	800.7	799.6	801.9
20°	4710.9	4382.6	3525.4	2336.4	1300.7	867.5	783.4	771.9	769.6	770.8	769.6
22.5°	4702.9	4320.4	3306.5	1911.3	982.7	775.4	747.7	740.8	739.6	739.6	739.6
25°	4717.8	4270.8	3065.7	1504.6	809.9	732.7	715.5	709.7	708.5	708.5	706.2
27.5°	4772.0	4243.2	2801.9	1157.9	731.6	694.7	680.9	679.7	676.3	675.1	677.4
30°	4859.5	4243.2	2512.7	900.9	684.3	655.5	645.2	642.9	641.7	640.6	641.7
32.5°	5013.9	4275.4	2197.0	748.9	639.4	611.8	604.9	608.3	604.9	604.9	604.9
35°	5292.7	4372.2	1866.4	653.2	592.2	569.1	562.2	566.8	564.5	564.5	563.4
37.5°	5699.4	4551.9	1533.4	595.6	550.7	526.5	517.3	524.2	521.9	521.9	520.7
40°	6194.8	4813.5	1216.6	551.9	510.4	485.0	477.0	480.4	474.7	474.7	477.0
42.5°	6806.6	5145.3	940.1	509.2	470.1	445.9	441.3	437.8	427.4	421.7	422.8
45°	7486.3	5490.9	732.7	467.8	432.0	412.5	405.5	396.3	379.0	367.5	368.7
47.5°	8093.5	5757.0	595.6	427.4	397.5	382.5	372.1	354.8	329.5	315.7	316.8
50°	8412.6	5797.3	506.9	387.1	365.2	350.2	335.3	308.8	278.8	263.8	262.7
52.5°	8494.4	5608.4	441.3	350.2	333.0	315.7	296.1	260.4	227.0	210.8	208.5
55°	8524.4	5320.4	382.5	315.7	298.4	278.8	253.5	213.1	182.0	165.9	164.7
57.5°	8425.3	4890.6	336.4	284.6	263.8	239.6	208.5	170.5	140.6	127.9	127.9
60°	8205.2	4308.8	300.7	251.2	228.1	200.5	168.2	132.5	104.8	94.5	94.5
62.5°	7766.3	3555.4	267.3	216.6	194.7	165.9	135.9	100.2	73.7	68.0	69.1
65°	6937.9	2697.1	233.9	185.5	165.9	137.1	106.0	71.4	49.5	49.5	51.8
67.5°	5657.9	1873.3	199.3	157.8	142.9	111.8	80.6	49.5	34.6	39.2	43.8
70°	3745.5	1050.7	170.5	130.2	122.1	88.7	59.9	33.4	27.7	36.9	44.9
72.5°	1413.6	409.0	142.9	104.8	106.0	68.0	42.6	25.3	25.3	40.3	53.0
75°	394.0	200.5	102.5	77.2	83.0	49.5	31.1	21.9	24.2	46.1	62.2
77.5°	231.6	147.5	66.8	44.9	56.5	34.6	20.7	17.3	20.7	39.2	59.9
80°	186.6	78.3	39.2	23.0	31.1	19.6	13.8	10.4	5.8	15.0	31.1
82.5°	186.6	47.2	18.4	16.1	16.1	10.4	6.9	4.6	1.2	0.0	8.1
85°	125.6	19.6	11.5	10.4	8.1	3.5	2.3	1.2	0.0	0.0	0.0
87.5°	20.7	8.1	4.6	2.3	1.2	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)