

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: P323200

Luminaire Tested: **GAN-SA6B-740-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323200
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-740-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28311 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

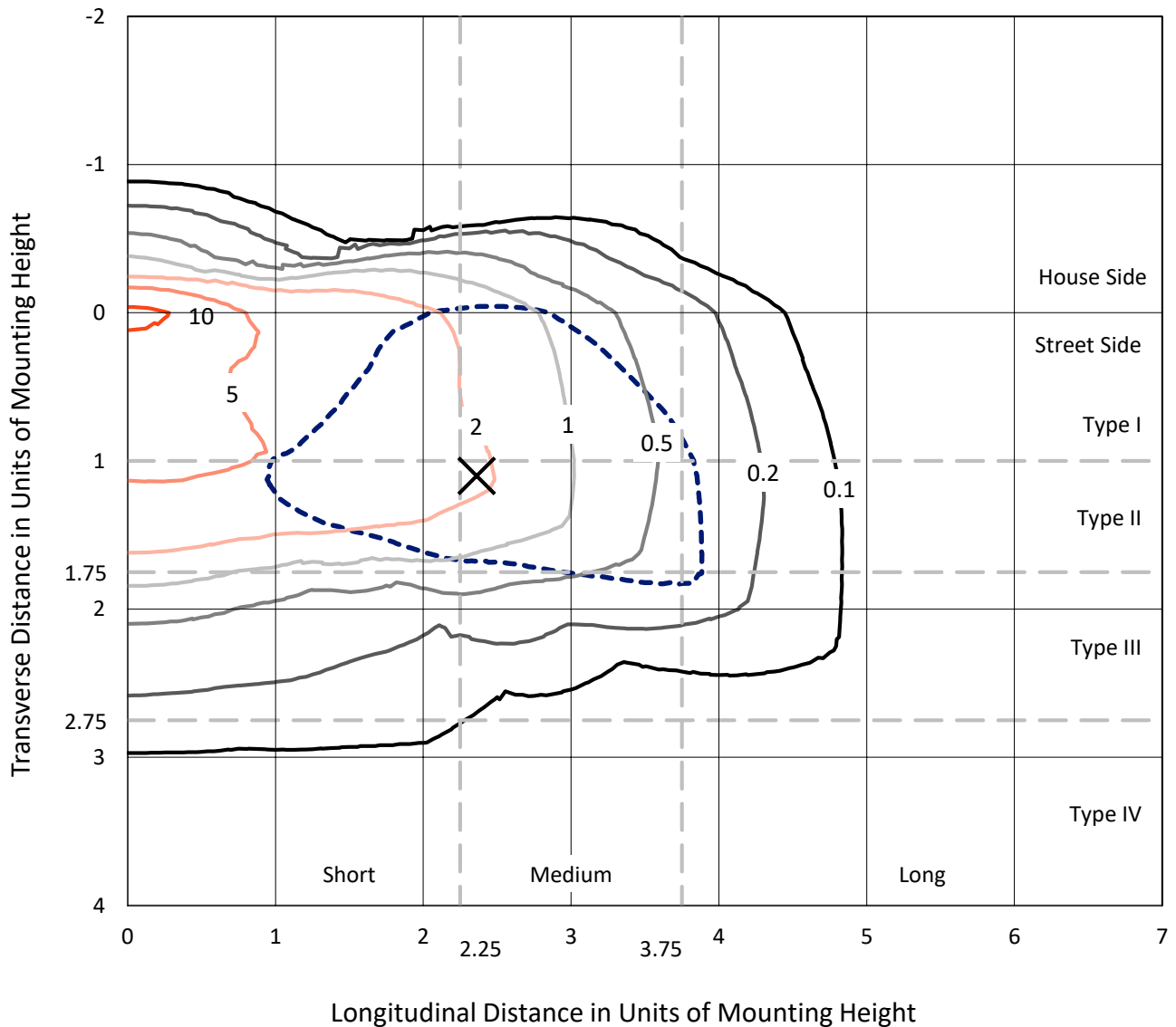
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

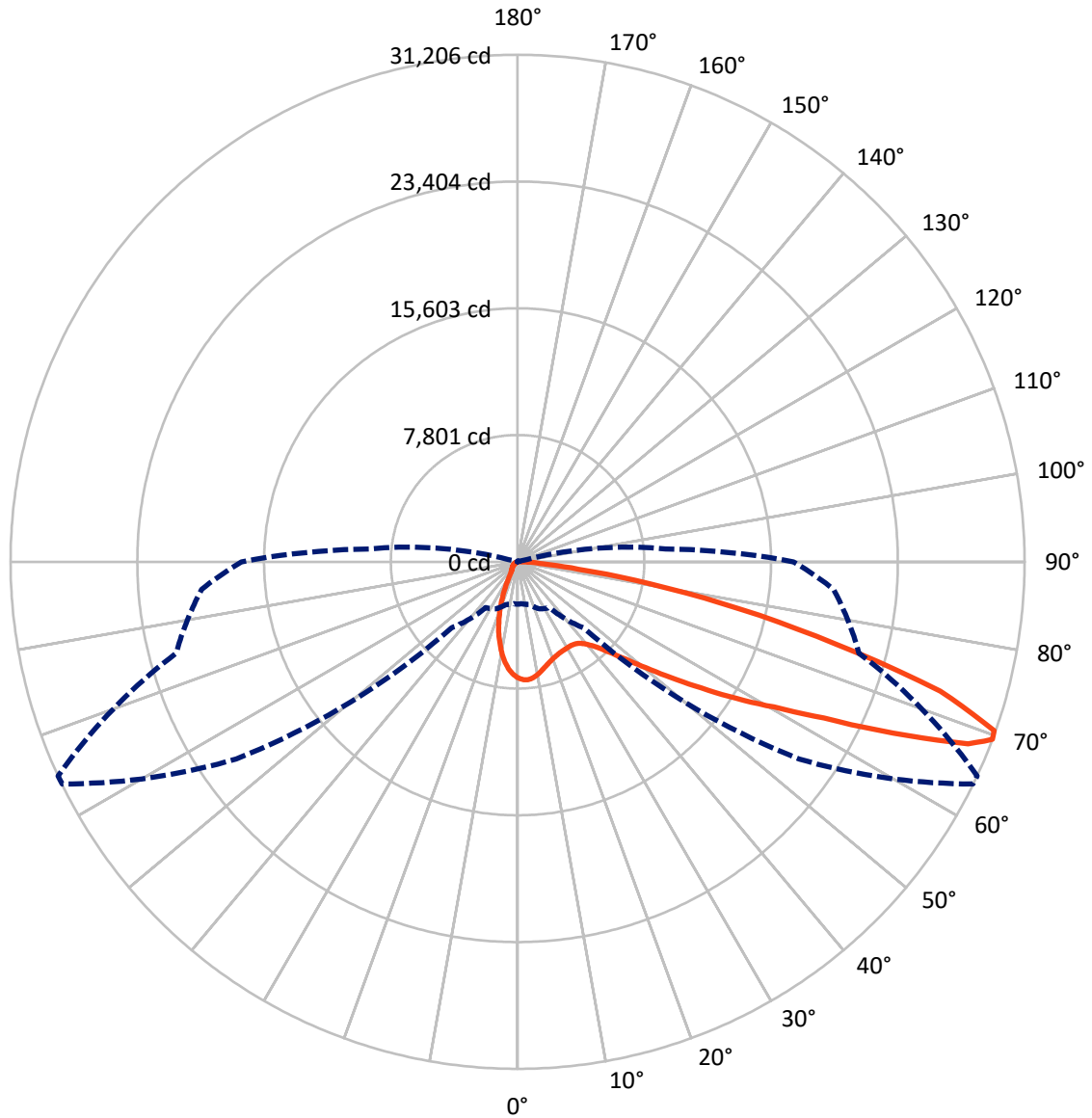
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3337.2	0.0	3337.2
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	24973.8	0.0	24973.8
	% Fixture	88.2	0.0	88.2
Total	Lumens	28311.0	0.0	28311.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	598.2	2.1
10°-20°	1309.6	4.6
20°-30°	1813.8	6.4
30°-40°	2529.0	8.9
40°-50°	3931.0	13.9
50°-60°	6310.7	22.3
60°-70°	7138.5	25.2
70°-80°	4192.5	14.8
80°-90°	487.7	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°	28311.0	100.0
0°-180°	28311.0	100.0

Coefficient of Utilization

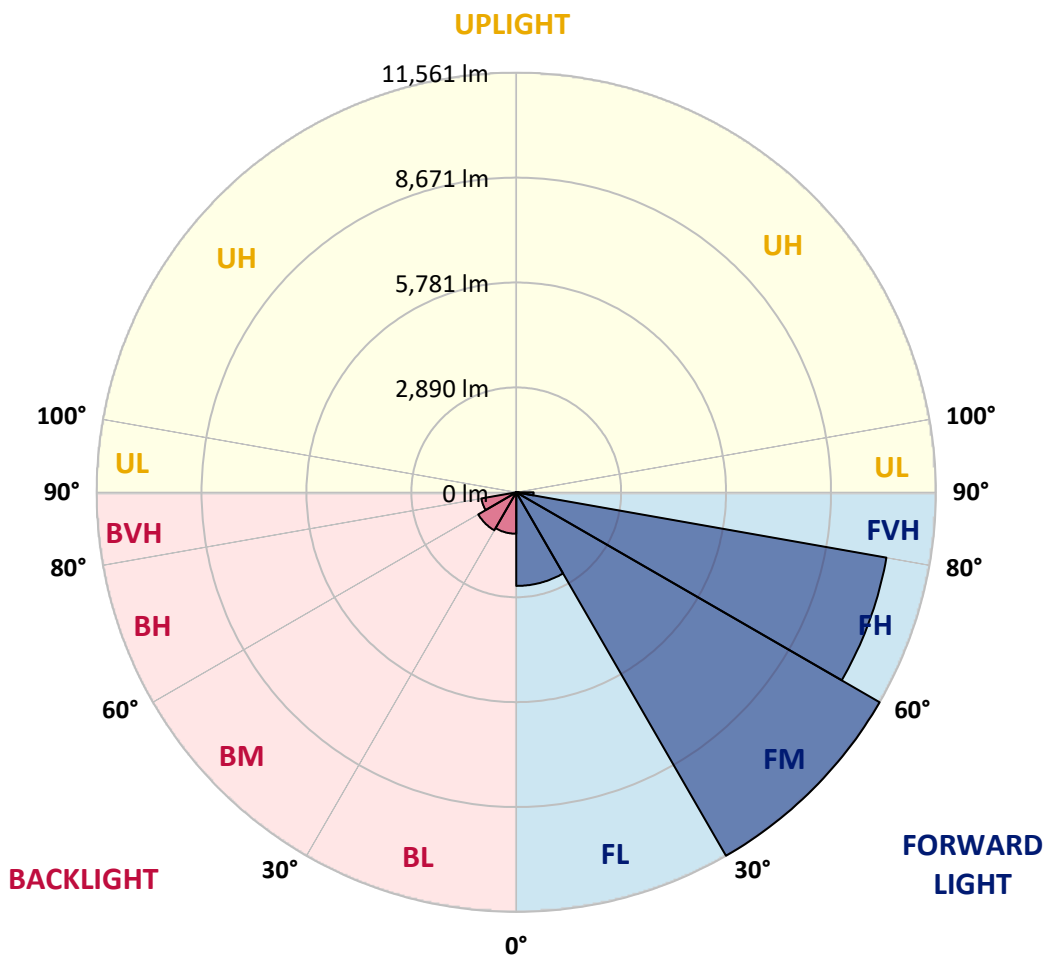


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2579.8	9.1			
FM (30°-60°)	11561.4	40.8			
FH (60°-80°)	10355.9	36.6			G4/12000
FVH (80°-90°)	476.7	1.7			G3/500
BL (0°-30°)	1141.8	4.0	B3/2500		
BM (30°-60°)	1209.3	4.3	B2/2500		
BH (60°-80°)	975.1	3.4	B2/1000		G2/1000
BVH (80°-90°)	11.0	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	7154.2	7154.2	7154.2	7154.2	7154.2	7154.2	7154.2	7154.2	7154.2	7154.2	7154.2
2.5°	7217.7	7199.8	7214.1	7245.3	7260.9	7260.9	7272.8	7258.5	7263.3	7228.5	7178.2
5°	6766.1	6738.5	6778.1	6865.5	6973.3	7065.6	7202.2	7274.0	7281.2	7282.4	7223.7
7.5°	6279.7	6254.6	6313.3	6416.3	6555.3	6726.6	6965.0	7173.4	7185.4	7298.0	7254.9
10°	5884.4	5866.4	5934.7	6044.9	6207.8	6399.5	6691.8	6981.7	7016.5	7265.6	7250.1
12.5°	5570.5	5556.2	5620.8	5747.8	5914.3	6126.4	6431.9	6768.5	6815.2	7192.6	7226.1
15°	5341.7	5339.3	5393.2	5515.4	5699.9	5897.6	6210.2	6570.8	6624.7	7113.5	7222.5
17.5°	5221.9	5225.5	5265.1	5369.3	5527.4	5723.9	6023.4	6404.3	6463.0	7042.8	7240.5
20°	5209.9	5213.5	5235.1	5293.8	5422.0	5595.7	5871.2	6264.2	6325.2	6990.1	7269.2
22.5°	5315.4	5313.0	5319.0	5313.0	5384.8	5516.6	5770.6	6156.3	6227.0	6955.4	7292.0
25°	5517.8	5514.2	5511.8	5467.5	5419.6	5490.3	5728.7	6095.2	6162.3	6930.2	7305.2
27.5°	5799.3	5796.9	5793.4	5720.3	5576.5	5532.2	5733.5	6072.5	6128.8	6909.9	7302.8
30°	6169.5	6186.3	6181.5	6079.7	5855.6	5660.4	5783.8	6060.5	6109.6	6870.3	7277.6
32.5°	6604.4	6637.9	6664.3	6555.3	6274.9	5914.3	5900.0	6073.7	6109.6	6840.4	7232.1
35°	7056.0	7099.1	7196.2	7157.8	6788.9	6296.5	6100.0	6152.7	6182.7	6857.1	7210.5
37.5°	7500.5	7552.0	7762.8	7874.2	7462.1	6802.0	6411.5	6348.0	6363.6	6959.0	7234.5
40°	8016.8	8094.6	8414.5	8594.2	8265.9	7478.9	6877.5	6683.4	6689.4	7183.0	7345.9
42.5°	8694.8	8775.1	9121.3	9402.8	9171.6	8334.2	7510.0	7196.2	7190.2	7602.3	7608.3
45°	9521.4	9605.3	9963.5	10276.1	10171.9	9347.7	8319.9	7944.9	7937.7	8263.6	8105.4
47.5°	10458.2	10540.9	10860.7	11183.0	11295.6	10531.3	9351.3	8966.8	8950.0	9182.4	8873.3
50°	11262.1	11316.0	11610.7	12044.3	12552.3	11985.6	10634.3	10264.2	10246.2	10403.1	10000.6
52.5°	11554.4	11585.5	11885.0	12492.4	13759.8	13955.1	12319.9	11843.1	11829.9	11898.2	11501.6
55°	10962.6	11018.9	11386.6	12287.5	14413.9	16180.9	14447.4	13798.1	13698.7	13551.4	13071.0
57.5°	9350.1	9440.0	9835.3	11033.2	14108.4	17946.7	17574.1	16009.6	15863.4	14962.6	14346.8
60°	7005.7	7115.9	7444.1	8736.7	12478.0	18575.6	20990.7	18473.8	18144.4	16086.3	15519.6
62.5°	4807.4	4862.5	5085.4	5927.5	9189.6	17545.4	23849.1	21774.2	21172.8	17308.2	16788.3
65°	3671.8	3690.9	3782.0	4071.9	5472.3	14252.2	24985.9	26128.8	25401.6	18769.7	18104.8
67.5°	2959.0	2943.4	3069.2	3483.7	3664.6	8694.8	23659.8	30248.6	29908.4	20723.6	19429.8
69°	2609.2	2587.6	2715.8	3197.4	3441.7	5747.8	21151.2	31184.2	31205.8	21755.0	19520.8
70°	2348.0	2362.4	2489.4	3027.3	3366.3	4511.5	18755.3	30945.8	31115.9	22140.8	18974.5
72.5°	1568.1	1606.5	1861.6	2513.3	3236.9	3414.2	11324.4	26555.3	27209.3	21272.2	16279.1
75°	884.1	912.8	1215.9	1895.2	3050.0	3251.3	5981.4	19563.9	20196.5	17788.6	12553.5
77.5°	433.7	449.2	687.6	1223.1	2550.5	3097.9	3392.6	13289.0	14011.4	11610.7	7100.3
80°	183.3	191.7	343.8	754.7	1823.3	2956.6	2519.3	8178.5	8268.3	4548.7	1891.6
82.5°	70.7	73.1	145.0	470.8	1158.4	2304.9	2107.2	3877.8	3784.4	856.5	431.3
85°	8.4	9.6	52.7	282.7	644.5	1186.0	1711.9	1671.2	1546.6	170.1	221.6
87.5°	0.0	0.0	3.6	86.3	191.7	555.9	890.1	693.6	625.3	55.1	115.0
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°	7154.2	7154.2	7154.2	7154.2	7154.2	7154.2	7154.2	7154.2	7154.2	7154.2	7154.2
2.5°	7136.3	7124.3	7059.6	6966.2	6877.5	6767.3	6661.9	6598.4	6548.1	6514.5	6554.1
5°	7155.4	7102.7	6906.3	6654.7	6407.9	6130.0	5871.2	5652.0	5565.7	5469.9	5513.0
7.5°	7149.4	7050.0	6696.6	6248.6	5795.7	5327.3	4884.1	4542.7	4365.4	4191.7	4236.0
10°	7119.5	6951.8	6416.3	5752.6	5074.6	4401.3	3772.4	3294.4	3027.3	2785.3	2820.0
12.5°	7053.6	6820.0	6085.7	5184.8	4277.9	3390.2	2653.5	2041.3	1713.1	1568.1	1586.1
15°	7014.1	6691.8	5735.9	4609.8	3427.4	2361.2	1622.0	1206.3	1056.6	1008.7	1014.7
17.5°	6994.9	6568.4	5374.1	3952.1	2557.7	1503.4	1048.2	924.8	892.5	884.1	886.5
20°	6975.7	6443.8	5001.5	3301.6	1762.2	1011.1	861.3	825.4	813.4	802.6	805.0
22.5°	6943.4	6324.1	4601.4	2642.7	1188.4	820.6	776.3	741.5	716.4	703.2	705.6
25°	6903.9	6198.3	4192.9	1968.3	867.3	732.0	690.0	640.9	611.0	587.0	588.2
27.5°	6840.4	6043.7	3771.2	1432.8	728.4	655.3	599.0	545.1	494.8	467.2	467.2
30°	6751.7	5868.8	3302.8	1025.5	652.9	579.8	511.5	444.4	390.5	365.4	363.0
32.5°	6653.5	5686.7	2829.6	777.5	593.0	509.1	431.3	360.6	312.7	292.3	291.1
35°	6569.6	5490.3	2357.6	651.7	533.1	440.9	355.8	295.9	257.6	240.8	239.6
37.5°	6515.7	5293.8	1897.6	582.2	479.2	377.4	298.3	244.4	216.8	203.7	202.5
40°	6507.3	5147.7	1477.1	529.5	428.9	321.1	249.2	207.2	182.1	167.7	166.5
42.5°	6616.4	5063.8	1133.3	485.2	377.4	271.9	212.0	177.3	150.9	136.6	135.4
45°	6902.7	5090.1	872.1	445.6	325.8	230.0	179.7	147.3	123.4	112.6	110.2
47.5°	7425.0	5272.2	693.6	406.1	276.7	195.3	153.3	122.2	101.8	91.0	89.8
50°	8354.6	5699.9	579.8	363.0	231.2	166.5	127.0	99.4	82.7	73.1	71.9
52.5°	9588.5	6461.8	517.5	321.1	191.7	141.4	104.2	79.1	64.7	57.5	56.3
55°	10949.4	7384.2	476.8	275.5	156.9	117.4	82.7	62.3	50.3	44.3	41.9
57.5°	12277.9	8183.3	438.5	231.2	130.6	95.8	65.9	49.1	39.5	33.5	32.3
60°	13498.7	8917.6	394.1	185.7	106.6	75.5	51.5	38.3	31.1	25.2	25.2
62.5°	14805.6	9485.5	333.0	145.0	87.5	57.5	41.9	34.7	25.2	21.6	20.4
65°	16190.5	9907.2	261.2	112.6	68.3	43.1	34.7	35.9	20.4	15.6	14.4
67.5°	17213.5	9823.3	192.9	88.6	52.7	33.5	33.5	38.3	18.0	12.0	10.8
69°	16988.3	9141.7	161.7	76.7	45.5	28.8	31.1	38.3	16.8	10.8	9.6
70°	16335.4	8386.9	142.6	68.3	40.7	26.4	29.9	37.1	15.6	10.8	9.6
72.5°	13604.1	6316.9	111.4	51.5	32.3	21.6	25.2	32.3	15.6	10.8	8.4
75°	10233.0	4043.1	85.1	37.1	24.0	16.8	19.2	24.0	15.6	9.6	8.4
77.5°	5568.1	1457.9	61.1	25.2	16.8	13.2	13.2	18.0	14.4	7.2	4.8
80°	1431.6	366.6	38.3	16.8	13.2	9.6	8.4	12.0	8.4	1.2	0.0
82.5°	353.4	82.7	20.4	12.0	9.6	3.6	3.6	6.0	3.6	0.0	0.0
85°	194.1	40.7	13.2	8.4	4.8	0.0	0.0	1.2	0.0	0.0	0.0
87.5°	99.4	12.0	3.6	2.4	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)