

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: P323240

Luminaire Tested: **GAN-SA6B-750-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323240
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-750-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 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: 28310 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

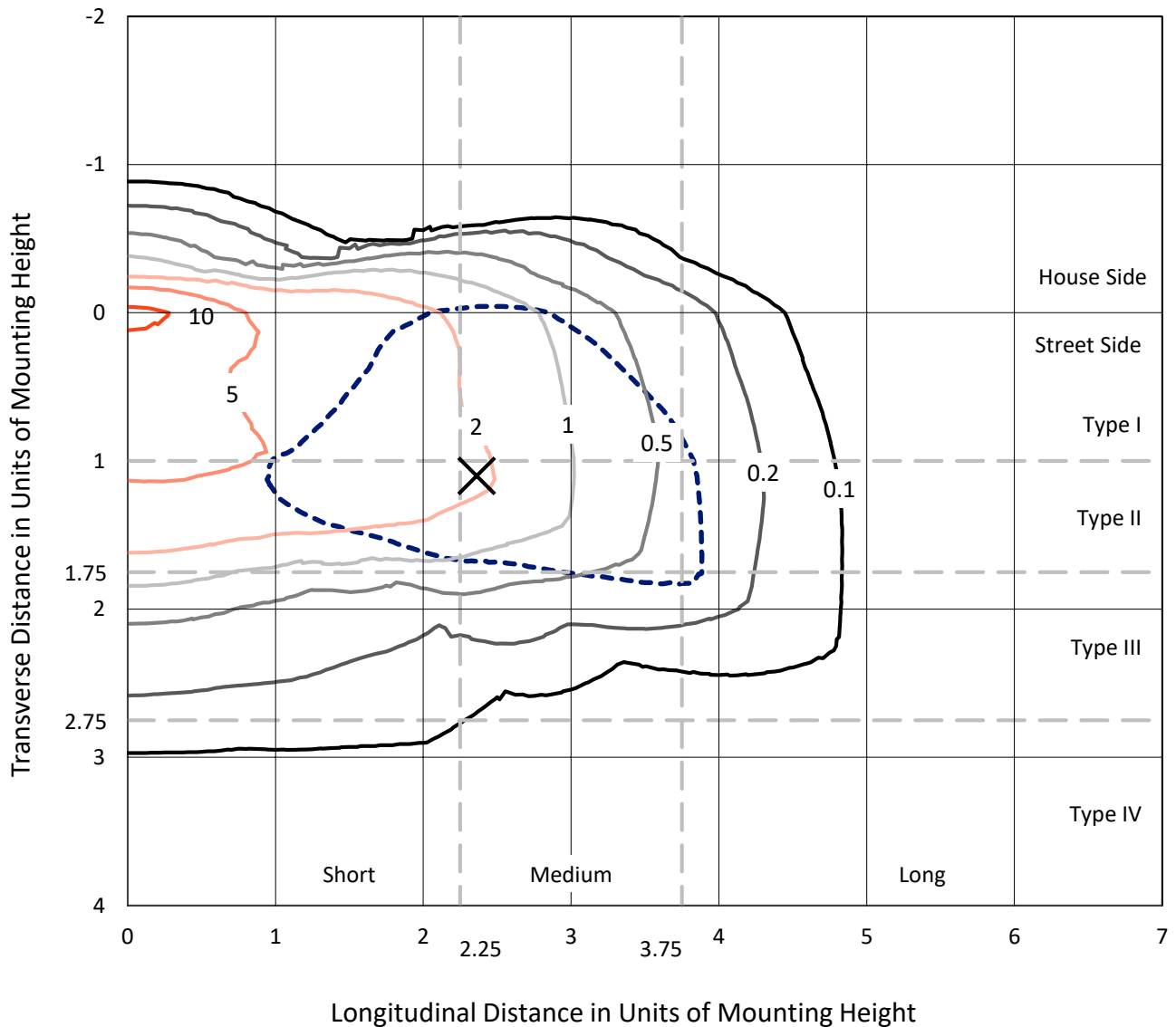
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

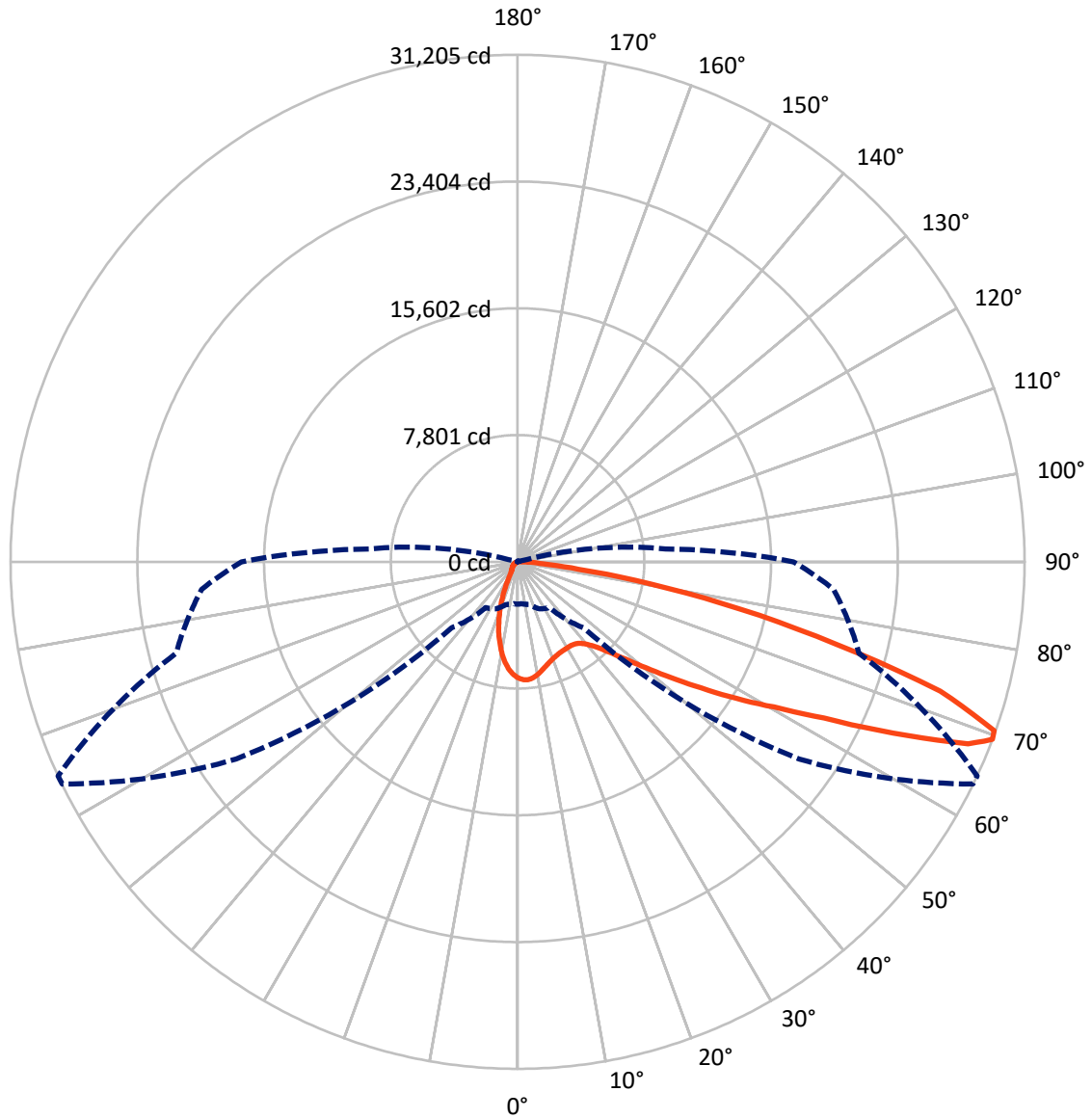
✕ Max cd
 - - - 1/2 Max cd



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	3337.1	0.0	3337.1
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	24972.9	0.0	24972.9
	% Fixture	88.2	0.0	88.2
Total	Lumens	28310.0	0.0	28310.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	598.2	2.1
10°-20°	1309.5	4.6
20°-30°	1813.8	6.4
30°-40°	2528.9	8.9
40°-50°	3930.8	13.9
50°-60°	6310.5	22.3
60°-70°	7138.2	25.2
70°-80°	4192.3	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°	28310.0	100.0
0°-180°	28310.0	100.0

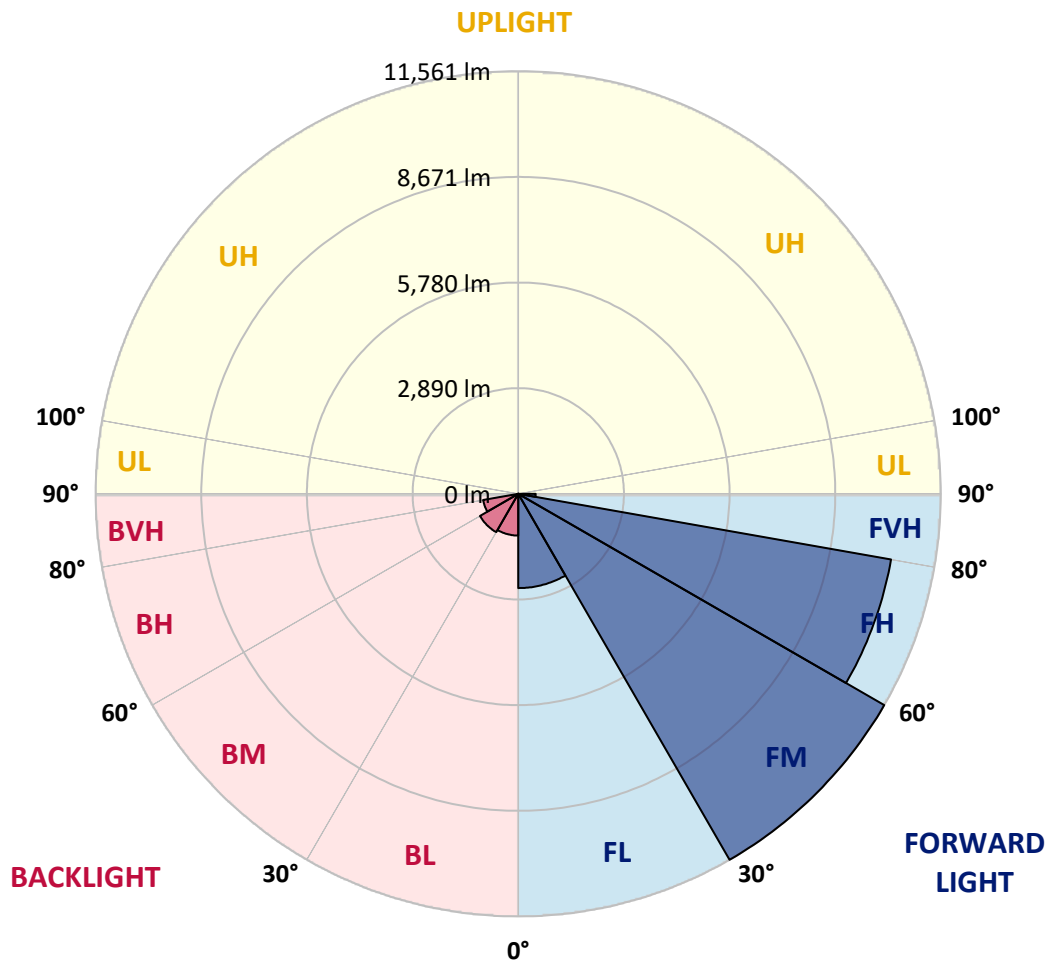


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2579.7	9.1			
FM (30°-60°)	11561.0	40.8			
FH (60°-80°)	10355.5	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°)	975.0	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°	7154.0	7154.0	7154.0	7154.0	7154.0	7154.0	7154.0	7154.0	7154.0	7154.0	7154.0
2.5°	7217.5	7199.5	7213.9	7245.0	7260.6	7260.6	7272.6	7258.2	7263.0	7228.3	7177.9
5°	6765.9	6738.3	6777.8	6865.3	6973.1	7065.3	7201.9	7273.8	7281.0	7282.2	7223.5
7.5°	6279.5	6254.3	6313.0	6416.1	6555.0	6726.3	6964.7	7173.2	7185.1	7297.7	7254.6
10°	5884.2	5866.2	5934.5	6044.7	6207.6	6399.3	6691.6	6981.5	7016.2	7265.4	7249.8
12.5°	5570.3	5556.0	5620.6	5747.6	5914.1	6126.2	6431.6	6768.3	6815.0	7192.3	7225.9
15°	5341.5	5339.1	5393.0	5515.2	5699.7	5897.4	6210.0	6570.6	6624.5	7113.3	7222.3
17.5°	5221.7	5225.3	5264.9	5369.1	5527.2	5723.7	6023.1	6404.1	6462.8	7042.6	7240.2
20°	5209.8	5213.4	5234.9	5293.6	5421.8	5595.5	5871.0	6263.9	6325.0	6989.9	7269.0
22.5°	5315.2	5312.8	5318.8	5312.8	5384.7	5516.4	5770.4	6156.1	6226.8	6955.1	7291.7
25°	5517.6	5514.0	5511.6	5467.3	5419.4	5490.1	5728.5	6095.0	6162.1	6930.0	7304.9
27.5°	5799.1	5796.7	5793.1	5720.1	5576.3	5532.0	5733.3	6072.3	6128.6	6909.6	7302.5
30°	6169.3	6186.1	6181.3	6079.5	5855.4	5660.2	5783.6	6060.3	6109.4	6870.1	7277.4
32.5°	6604.1	6637.7	6664.0	6555.0	6274.7	5914.1	5899.8	6073.5	6109.4	6840.1	7231.9
35°	7055.8	7098.9	7195.9	7157.6	6788.6	6296.3	6099.8	6152.5	6182.5	6856.9	7210.3
37.5°	7500.2	7551.7	7762.5	7873.9	7461.9	6801.8	6411.3	6347.8	6363.4	6958.7	7234.2
40°	8016.5	8094.4	8414.2	8593.9	8265.7	7478.6	6877.3	6683.2	6689.2	7182.7	7345.7
42.5°	8694.5	8774.8	9121.0	9402.5	9171.3	8333.9	7509.8	7195.9	7189.9	7602.0	7608.0
45°	9521.1	9604.9	9963.1	10275.8	10171.6	9347.4	8319.6	7944.6	7937.4	8263.3	8105.1
47.5°	10457.9	10540.5	10860.4	11182.6	11295.2	10530.9	9351.0	8966.4	8949.7	9182.1	8873.0
50°	11261.7	11315.6	11610.3	12043.9	12551.8	11985.2	10633.9	10263.8	10245.8	10402.7	10000.2
52.5°	11554.0	11585.1	11884.6	12491.9	13759.3	13954.6	12319.4	11842.7	11829.5	11897.8	11501.2
55°	10962.2	11018.5	11386.2	12287.1	14413.4	16180.3	14446.9	13797.7	13698.2	13550.9	13070.5
57.5°	9349.8	9439.6	9834.9	11032.9	14107.9	17946.1	17573.5	16009.0	15862.9	14962.0	14346.3
60°	7005.4	7115.7	7443.9	8736.4	12477.5	18575.0	20990.0	18473.1	18143.7	16085.7	15519.1
62.5°	4807.3	4862.4	5085.2	5927.3	9189.3	17544.8	23848.2	21773.4	21172.1	17307.6	16787.7
65°	3671.6	3690.8	3781.8	4071.7	5472.1	14251.7	24985.0	26127.9	25400.7	18769.0	18104.2
67.5°	2958.9	2943.3	3069.1	3483.6	3664.4	8694.5	23658.9	30247.5	29907.3	20722.8	19429.1
69°	2609.1	2587.5	2715.7	3197.3	3441.6	5747.6	21150.5	31183.1	31204.7	21754.3	19520.1
70°	2347.9	2362.3	2489.3	3027.1	3366.2	4511.4	18754.7	30944.7	31114.8	22140.0	18973.9
72.5°	1568.1	1606.4	1861.6	2513.2	3236.8	3414.1	11324.0	26554.3	27208.4	21271.5	16278.6
75°	884.1	912.8	1215.9	1895.1	3049.9	3251.2	5981.2	19563.3	20195.8	17787.9	12553.0
77.5°	433.6	449.2	687.6	1223.1	2550.4	3097.8	3392.5	13288.5	14010.9	11610.3	7100.1
80°	183.3	191.7	343.8	754.7	1823.2	2956.5	2519.2	8178.2	8268.1	4548.5	1891.5
82.5°	70.7	73.1	144.9	470.8	1158.4	2304.8	2107.1	3877.7	3784.2	856.5	431.3
85°	8.4	9.6	52.7	282.7	644.5	1185.9	1711.8	1671.1	1546.5	170.1	221.6
87.5°	0.0	0.0	3.6	86.3	191.7	555.8	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°	7154.0	7154.0	7154.0	7154.0	7154.0	7154.0	7154.0	7154.0	7154.0	7154.0	7154.0
2.5°	7136.0	7124.0	7059.4	6965.9	6877.3	6767.1	6661.6	6598.2	6547.8	6514.3	6553.8
5°	7155.2	7102.5	6906.0	6654.5	6407.7	6129.8	5871.0	5651.8	5565.5	5469.7	5512.8
7.5°	7149.2	7049.8	6696.4	6248.4	5795.5	5327.2	4883.9	4542.5	4365.2	4191.5	4235.9
10°	7119.2	6951.5	6416.1	5752.4	5074.4	4401.2	3772.3	3294.3	3027.1	2785.2	2819.9
12.5°	7053.4	6819.8	6085.4	5184.6	4277.8	3390.1	2653.4	2041.3	1713.0	1568.1	1586.0
15°	7013.8	6691.6	5735.6	4609.6	3427.3	2361.1	1622.0	1206.3	1056.6	1008.6	1014.6
17.5°	6994.7	6568.2	5373.9	3951.9	2557.6	1503.4	1048.2	924.8	892.5	884.1	886.5
20°	6975.5	6443.6	5001.3	3301.5	1762.1	1011.0	861.3	825.4	813.4	802.6	805.0
22.5°	6943.2	6323.8	4601.2	2642.6	1188.3	820.6	776.3	741.5	716.4	703.2	705.6
25°	6903.6	6198.0	4192.7	1968.2	867.3	731.9	690.0	640.9	610.9	587.0	588.2
27.5°	6840.1	6043.5	3771.1	1432.7	728.3	655.3	599.0	545.1	494.7	467.2	467.2
30°	6751.5	5868.6	3302.7	1025.4	652.9	579.8	511.5	444.4	390.5	365.4	363.0
32.5°	6653.3	5686.5	2829.5	777.5	593.0	509.1	431.3	360.6	312.7	292.3	291.1
35°	6569.4	5490.1	2357.5	651.7	533.1	440.8	355.8	295.9	257.6	240.8	239.6
37.5°	6515.5	5293.6	1897.5	582.2	479.2	377.3	298.3	244.4	216.8	203.6	202.4
40°	6507.1	5147.5	1477.0	529.5	428.9	321.0	249.2	207.2	182.1	167.7	166.5
42.5°	6616.1	5063.6	1133.2	485.2	377.3	271.9	212.0	177.3	150.9	136.6	135.4
45°	6902.4	5090.0	872.1	445.6	325.8	230.0	179.7	147.3	123.4	112.6	110.2
47.5°	7424.7	5272.1	693.6	406.1	276.7	195.3	153.3	122.2	101.8	91.0	89.8
50°	8354.3	5699.7	579.8	363.0	231.2	166.5	127.0	99.4	82.7	73.1	71.9
52.5°	9588.2	6461.6	517.5	321.0	191.7	141.4	104.2	79.1	64.7	57.5	56.3
55°	10949.0	7384.0	476.8	275.5	156.9	117.4	82.7	62.3	50.3	44.3	41.9
57.5°	12277.5	8183.0	438.4	231.2	130.6	95.8	65.9	49.1	39.5	33.5	32.3
60°	13498.2	8917.3	394.1	185.7	106.6	75.5	51.5	38.3	31.1	25.2	25.2
62.5°	14805.1	9485.1	333.0	144.9	87.4	57.5	41.9	34.7	25.2	21.6	20.4
65°	16189.9	9906.8	261.1	112.6	68.3	43.1	34.7	35.9	20.4	15.6	14.4
67.5°	17212.9	9823.0	192.9	88.6	52.7	33.5	33.5	38.3	18.0	12.0	10.8
69°	16987.7	9141.3	161.7	76.7	45.5	28.8	31.1	38.3	16.8	10.8	9.6
70°	16334.9	8386.6	142.6	68.3	40.7	26.4	29.9	37.1	15.6	10.8	9.6
72.5°	13603.6	6316.6	111.4	51.5	32.3	21.6	25.2	32.3	15.6	10.8	8.4
75°	10232.6	4043.0	85.1	37.1	24.0	16.8	19.2	24.0	15.6	9.6	8.4
77.5°	5567.9	1457.9	61.1	25.2	16.8	13.2	13.2	18.0	14.4	7.2	4.8
80°	1431.5	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)