

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: P654425

Luminaire Tested: **GLAN-SA6B-840-U-SL3-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P654425
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6B-840-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 800mA 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: 23474 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

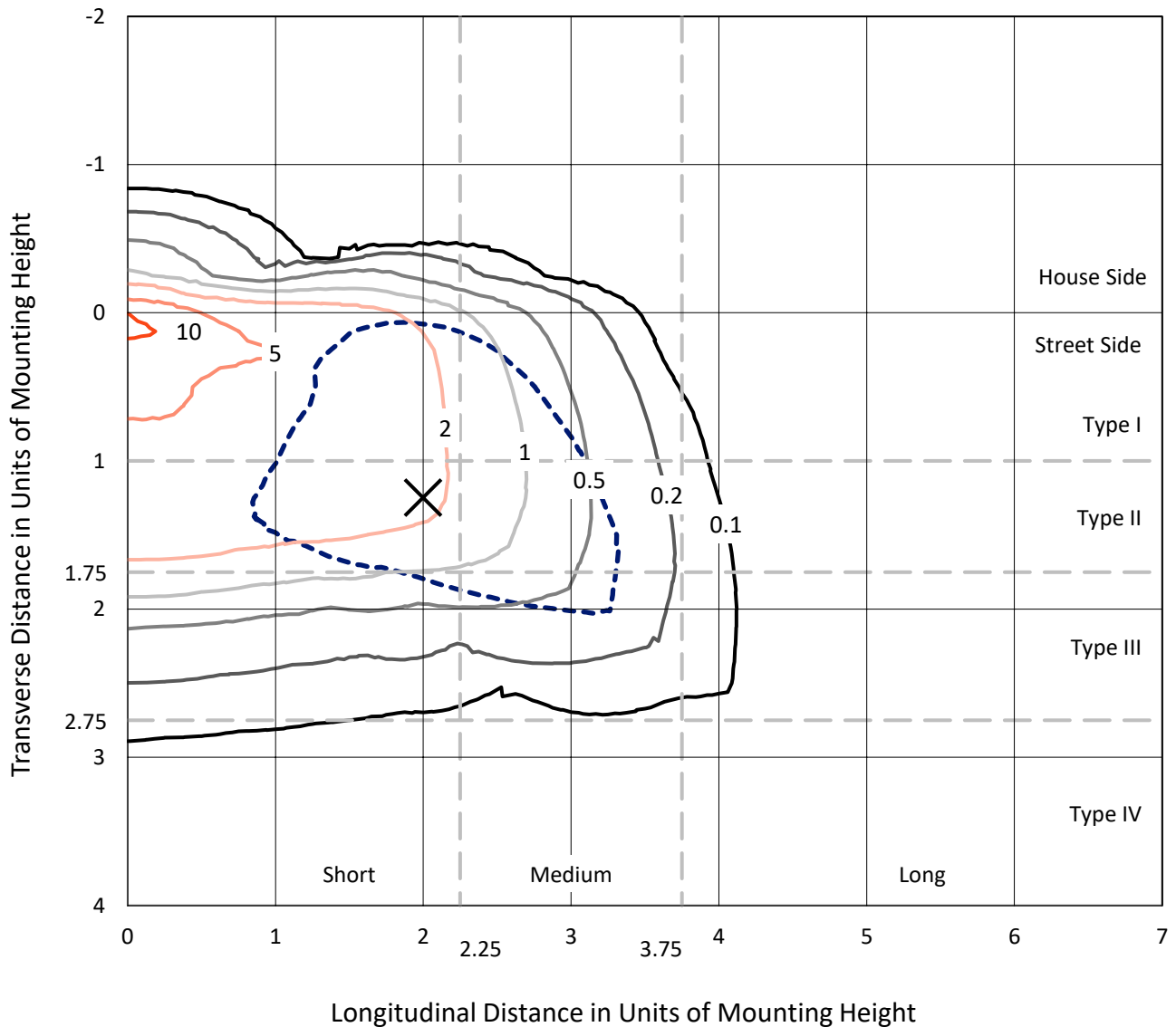
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

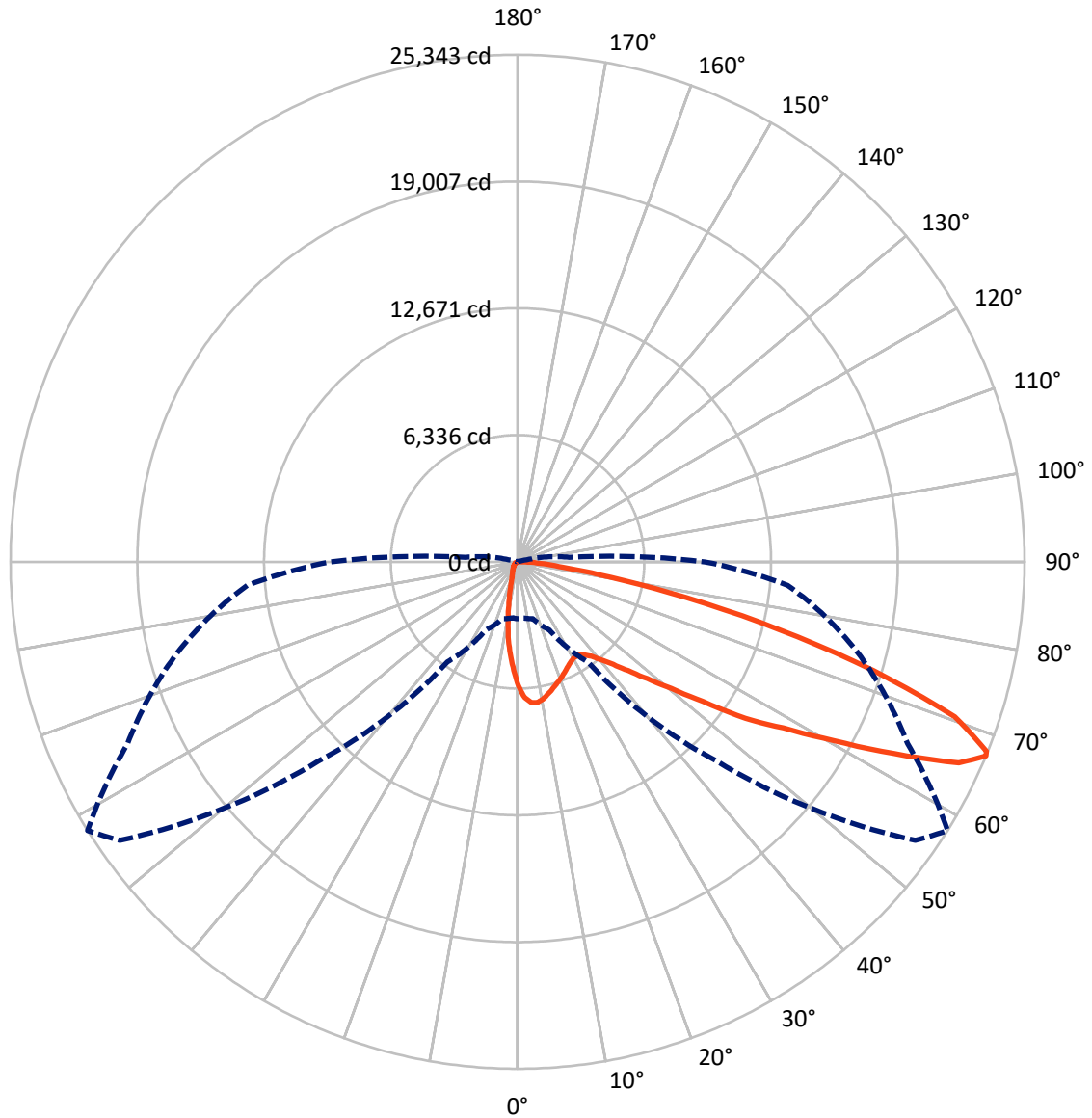
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1694.0	0.0	1694.0
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	21780.0	0.0	21780.0
	% Fixture	92.8	0.0	92.8
Total	Lumens	23474.0	0.0	23474.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	505.0	2.2
10°-20°	1090.6	4.6
20°-30°	1477.8	6.3
30°-40°	2049.7	8.7
40°-50°	3269.0	13.9
50°-60°	5650.7	24.1
60°-70°	6454.9	27.5
70°-80°	2691.1	11.5
80°-90°	285.3	1.2
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°	23474.0	100.0
0°-180°	23474.0	100.0

Coefficient of Utilization



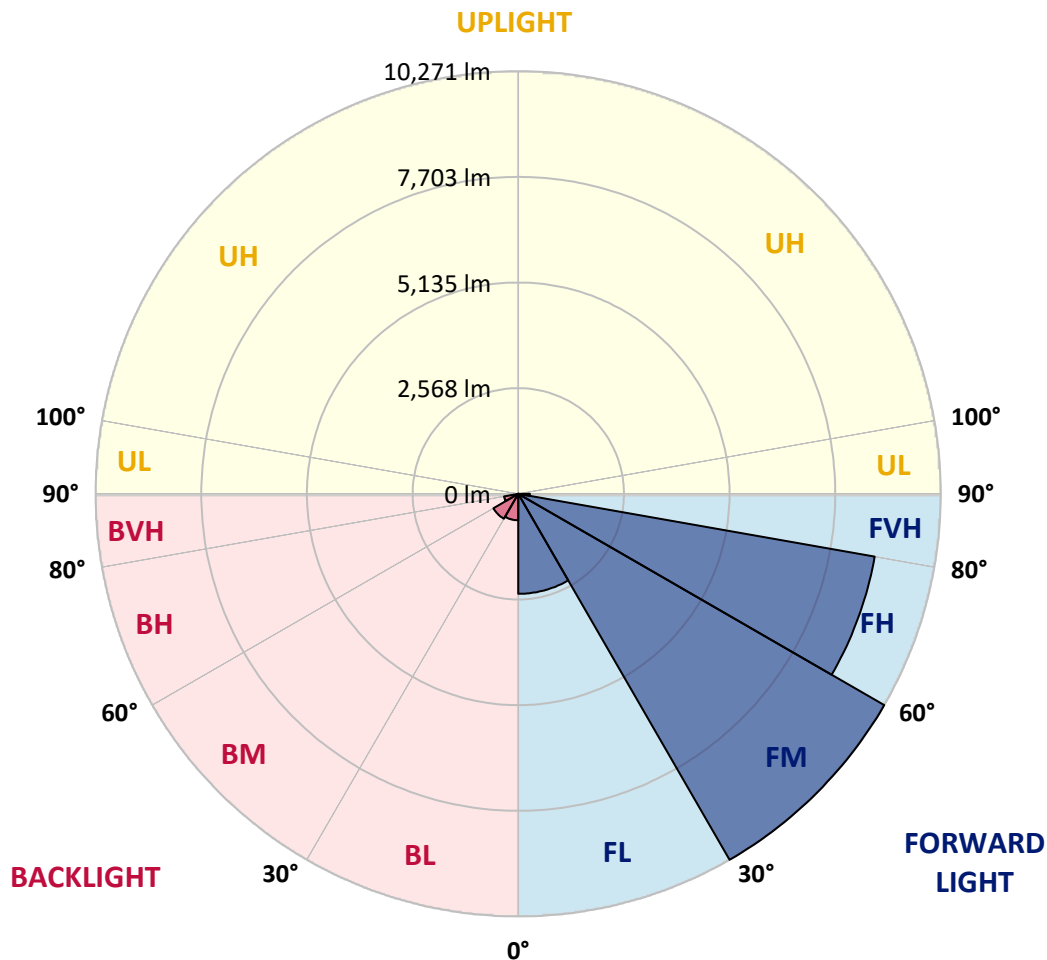
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2430.1	10.4			
FM (30°-60°)	10270.9	43.8			
FH (60°-80°)	8795.7	37.5			G4/12000
FVH (80°-90°)	283.3	1.2			G3/500
BL (0°-30°)	643.3	2.7	B2/1000		
BM (30°-60°)	698.5	3.0	B1/1000		
BH (60°-80°)	350.2	1.5	B1/500		G1/500
BVH (80°-90°)	2.1	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	6222.7	6222.7	6222.7	6222.7	6222.7	6222.7	6222.7	6222.7	6222.7	6222.7	6222.7
2.5°	7221.9	7232.9	7192.1	7159.2	7074.5	6983.5	6862.7	6798.4	6688.6	6498.8	6288.7
5°	7391.4	7405.5	7399.2	7391.4	7358.4	7270.6	7116.9	7060.4	6898.8	6589.8	6210.2
7.5°	7014.9	7066.7	7072.9	7134.1	7192.1	7200.0	7141.9	7099.6	6950.6	6588.2	6070.6
10°	6516.1	6550.5	6600.8	6671.4	6811.0	6927.1	6983.5	6977.3	6891.0	6539.6	5907.4
12.5°	6012.6	6031.4	6108.3	6229.0	6400.0	6597.6	6748.3	6778.0	6779.6	6481.6	5770.9
15°	5579.6	5571.8	5631.3	5770.9	6011.0	6258.8	6528.6	6575.7	6651.0	6425.1	5644.0
17.5°	5209.4	5250.2	5259.6	5413.3	5634.5	5956.0	6299.6	6382.8	6533.3	6376.5	5538.8
20°	4980.4	5002.4	5022.7	5109.0	5308.2	5647.1	6084.7	6199.2	6423.6	6332.6	5421.2
22.5°	4913.0	4927.1	4909.8	4936.5	5077.6	5378.8	5851.0	6003.1	6318.4	6291.8	5325.5
25°	4964.7	4978.8	4938.0	4906.6	4955.3	5160.8	5625.1	5810.2	6233.7	6284.0	5253.3
27.5°	5090.2	5116.9	5060.4	5004.0	4975.7	5043.1	5447.8	5662.7	6175.7	6321.5	5220.4
30°	5286.3	5301.9	5259.6	5190.6	5126.2	5058.8	5355.3	5560.8	6160.0	6409.4	5217.2
32.5°	5499.6	5532.5	5509.1	5463.6	5380.4	5220.4	5382.0	5563.9	6197.7	6536.5	5256.5
35°	5763.1	5800.8	5822.7	5813.3	5706.7	5507.5	5551.4	5705.1	6298.0	6770.2	5363.1
37.5°	6022.0	6054.9	6178.8	6221.1	6127.0	5938.8	5880.8	5982.7	6519.2	7076.1	5556.1
40°	6318.4	6362.3	6536.5	6698.1	6652.6	6454.9	6348.2	6433.0	6858.0	7537.2	5921.6
42.5°	6602.4	6680.8	6945.9	7231.3	7273.7	7052.5	6982.0	7010.2	7360.0	8200.8	6431.4
45°	7005.4	7079.2	7421.2	7808.6	8007.8	7835.3	7763.1	7758.4	8048.6	9134.1	7258.0
47.5°	7587.4	7653.4	8056.4	8439.2	8793.7	8817.2	8680.8	8727.8	8914.5	10225.9	8271.4
50°	8301.2	8456.4	8721.6	9120.0	9593.7	9976.4	10018.8	9956.1	10116.1	11490.2	9488.6
52.5°	9338.0	9397.7	9640.8	9968.6	10523.9	11173.4	11676.9	11590.6	11540.4	12694.9	10718.5
55°	10111.3	10191.3	10569.4	11019.6	11833.7	12690.2	13782.0	13811.7	13178.0	13852.5	11921.6
57.5°	9877.6	10000.0	10572.5	11477.6	13267.4	14833.0	15645.5	15665.9	14693.3	14977.2	13280.0
60°	8677.6	8735.7	9556.0	10763.9	13389.8	17154.5	18288.6	18123.9	16235.3	16235.3	14480.0
62.5°	6153.7	6244.7	6909.8	8687.0	12092.6	17960.7	21454.1	21113.7	18359.2	17438.4	15195.3
65°	3932.5	3844.7	4285.5	5483.9	9008.6	16770.2	24210.2	24230.6	20357.7	17919.9	14804.7
67°	2848.6	2814.2	2941.1	3749.0	6108.3	14097.3	24268.2	25342.7	21505.9	17615.7	13556.1
67.5°	2605.5	2632.2	2724.7	3382.0	5549.8	12828.2	24004.7	25276.8	21764.7	17432.2	13104.3
70°	1974.9	1929.4	2029.8	2392.1	3327.1	8092.5	20649.4	23182.8	21443.1	15611.0	10470.6
72.5°	1452.6	1447.9	1587.5	1956.1	2561.6	4310.5	15501.1	18588.2	17518.5	11887.0	6592.9
75°	980.4	1024.3	1247.0	1634.5	2321.6	2795.3	10567.8	13485.5	12161.5	6749.8	2694.9
77.5°	558.4	561.5	803.2	1313.0	2084.7	2249.4	6261.9	8591.4	6437.6	2244.7	800.0
80°	241.5	265.1	398.5	953.7	1728.6	1992.2	3590.6	4721.5	2603.9	475.3	258.9
82.5°	89.4	105.1	175.7	586.7	1261.2	1640.8	2169.4	2254.1	883.1	167.9	161.6
85°	0.0	3.1	64.3	274.5	657.2	732.5	1449.4	1336.4	390.6	80.0	105.1
87.5°	0.0	0.0	0.0	28.3	86.3	272.9	450.2	502.0	94.1	28.3	25.1
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°	6222.7	6222.7	6222.7	6222.7	6222.7	6222.7	6222.7	6222.7	6222.7	6222.7	6222.7
2.5°	6175.7	6073.7	5818.0	5562.4	5372.6	5214.1	4975.7	4845.5	4776.5	4674.5	4680.8
5°	6020.4	5813.3	5363.1	4897.2	4520.8	4153.7	3714.5	3537.2	3388.2	3303.5	3247.0
7.5°	5789.8	5483.9	4817.2	4196.1	3617.2	2975.7	2494.2	2172.6	1956.1	1876.1	1799.2
10°	5537.2	5130.9	4263.5	3402.3	2599.2	1937.2	1529.4	1234.5	1129.4	1032.2	1041.6
12.5°	5303.5	4809.4	3755.3	2685.5	1821.2	1231.4	960.0	839.2	804.7	793.7	793.7
15°	5112.2	4502.0	3209.4	2018.8	1248.6	884.7	768.6	735.7	723.2	720.0	720.0
17.5°	4908.2	4210.2	2716.9	1491.8	908.2	740.4	701.1	679.2	674.5	671.4	671.4
20°	4726.3	3916.9	2249.4	1110.6	734.1	666.7	641.6	627.5	622.8	619.6	621.2
22.5°	4553.8	3656.5	1810.2	839.2	646.3	607.0	582.0	567.8	558.4	550.6	552.1
25°	4400.0	3405.5	1455.7	687.1	582.0	547.5	522.3	502.0	481.6	472.1	470.6
27.5°	4291.8	3185.9	1134.1	588.2	523.9	486.3	454.9	429.8	403.2	389.0	385.9
30°	4202.3	2963.1	897.3	519.2	465.9	429.8	390.6	354.5	326.3	312.2	305.9
32.5°	4144.3	2751.3	707.4	462.7	417.2	373.3	329.4	293.3	262.0	247.8	244.7
35°	4134.9	2574.1	578.9	415.7	373.3	326.3	280.8	241.5	214.9	200.7	197.6
37.5°	4202.3	2437.6	484.7	378.0	337.2	285.5	235.3	199.2	175.7	164.7	163.2
40°	4382.7	2351.4	420.4	346.7	304.3	247.8	200.7	169.4	145.9	134.9	134.9
42.5°	4726.3	2354.5	378.0	316.9	271.4	211.8	171.0	141.2	120.8	111.3	108.2
45°	5262.7	2461.2	342.0	287.0	240.0	183.5	145.9	116.1	95.7	87.9	87.9
47.5°	5981.2	2673.0	310.6	257.3	211.8	156.8	124.0	94.1	76.9	69.0	69.0
50°	6920.8	3013.3	283.9	232.1	188.2	134.9	100.4	76.9	59.6	53.3	51.8
52.5°	7902.7	3433.7	252.6	210.2	161.6	114.5	81.6	59.6	45.5	40.8	39.2
55°	8986.7	3844.7	222.8	188.2	131.8	95.7	64.3	47.1	33.0	28.3	28.3
57.5°	10080.0	4247.8	186.7	156.8	103.5	70.6	50.2	34.5	22.0	17.2	17.2
60°	11005.5	4378.0	158.4	127.1	78.5	50.2	36.1	22.0	12.5	7.8	7.8
62.5°	11132.6	3938.8	133.3	97.2	56.4	34.5	18.8	12.5	4.7	3.1	3.1
65°	10442.4	3200.0	111.3	73.8	37.7	17.2	7.8	4.7	1.6	0.0	0.0
67°	9356.9	2594.5	91.0	54.9	26.7	11.0	4.7	1.6	0.0	0.0	0.0
67.5°	9079.2	2473.7	87.9	51.8	23.5	9.4	3.1	1.6	0.0	0.0	0.0
70°	7124.7	1852.6	62.7	31.4	14.1	6.3	0.0	0.0	0.0	0.0	0.0
72.5°	4428.2	1047.8	45.5	18.8	9.4	3.1	0.0	0.0	0.0	0.0	0.0
75°	1673.8	367.1	31.4	12.5	6.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	520.7	139.6	18.8	9.4	3.1	0.0	0.0	0.0	0.0	0.0	0.0
80°	175.7	53.3	12.5	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	108.2	22.0	7.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	67.4	9.4	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.5	3.1	1.6	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)