

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: P323257

Luminaire Tested: **GAN-SA3D-750-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323257
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-SA3D-750-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5000K, 1200mA 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: 19620 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

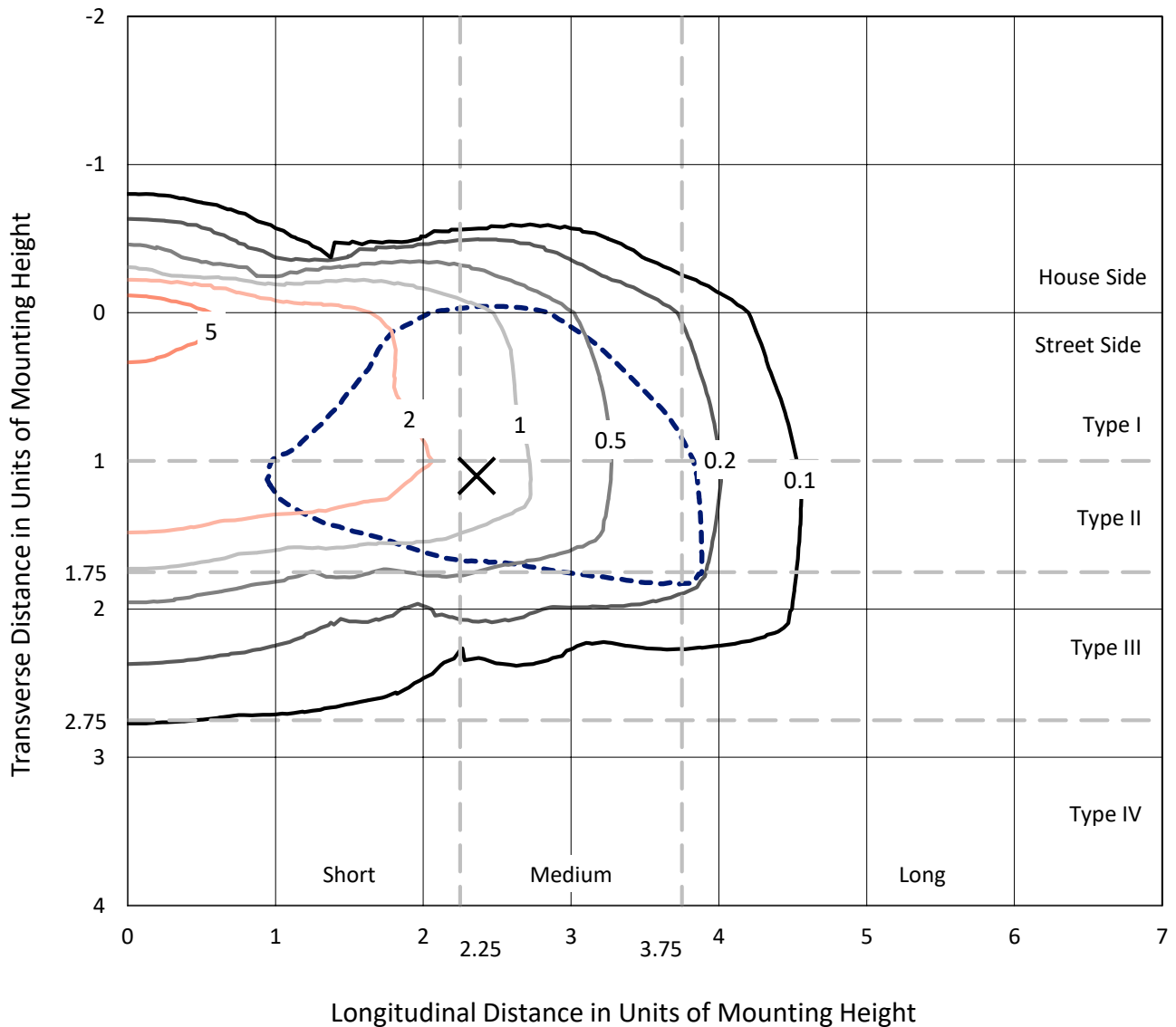
Input Watts (W): 191
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

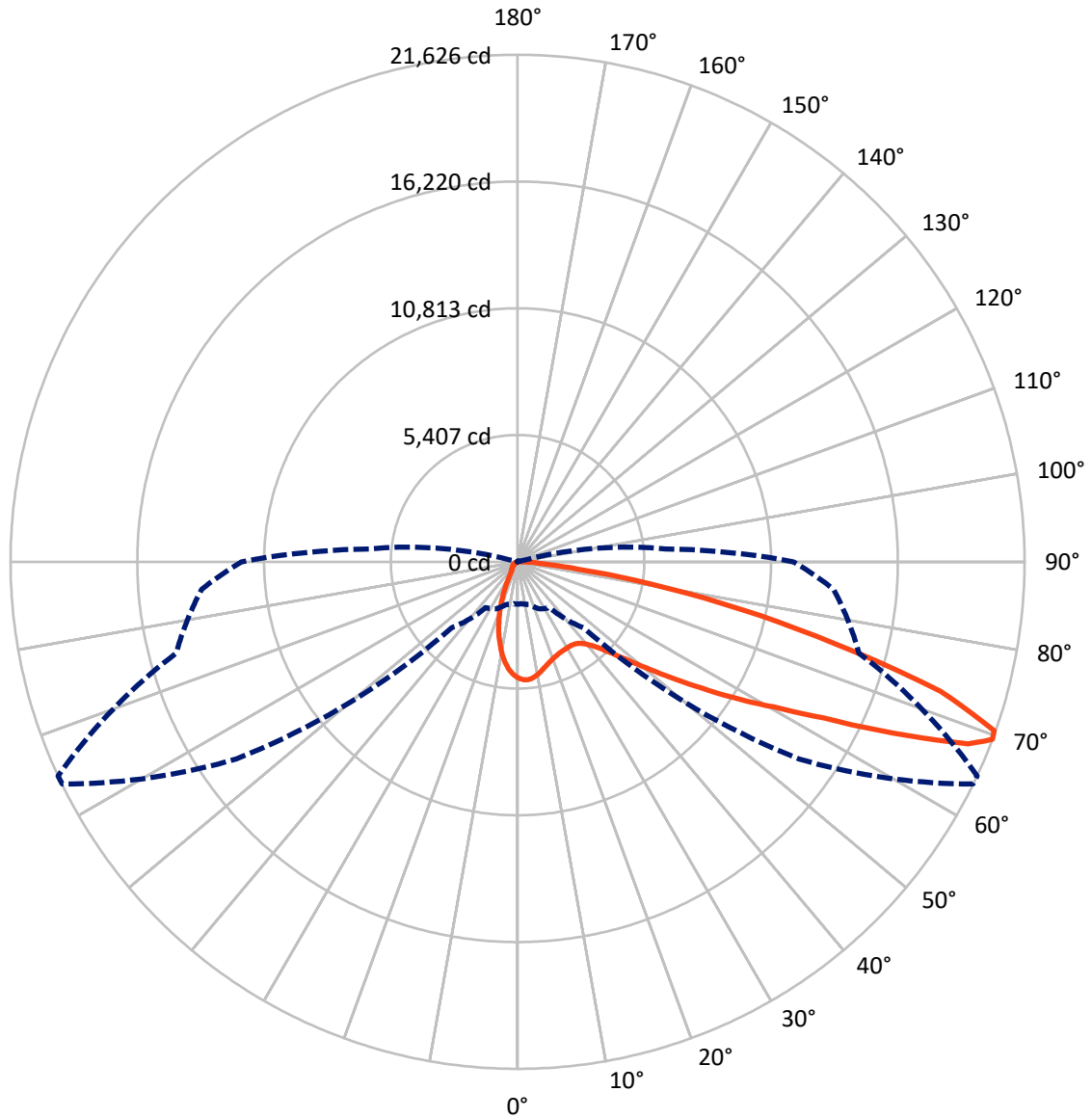
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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	2312.7	0.0	2312.7
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	17307.3	0.0	17307.3
	% Fixture	88.2	0.0	88.2
Total	Lumens	19620.0	0.0	19620.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.6	2.1
10°-20°	907.6	4.6
20°-30°	1257.0	6.4
30°-40°	1752.7	8.9
40°-50°	2724.2	13.9
50°-60°	4373.4	22.3
60°-70°	4947.1	25.2
70°-80°	2905.5	14.8
80°-90°	338.0	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°	19620.0	100.0
0°-180°	19620.0	100.0

Coefficient of Utilization

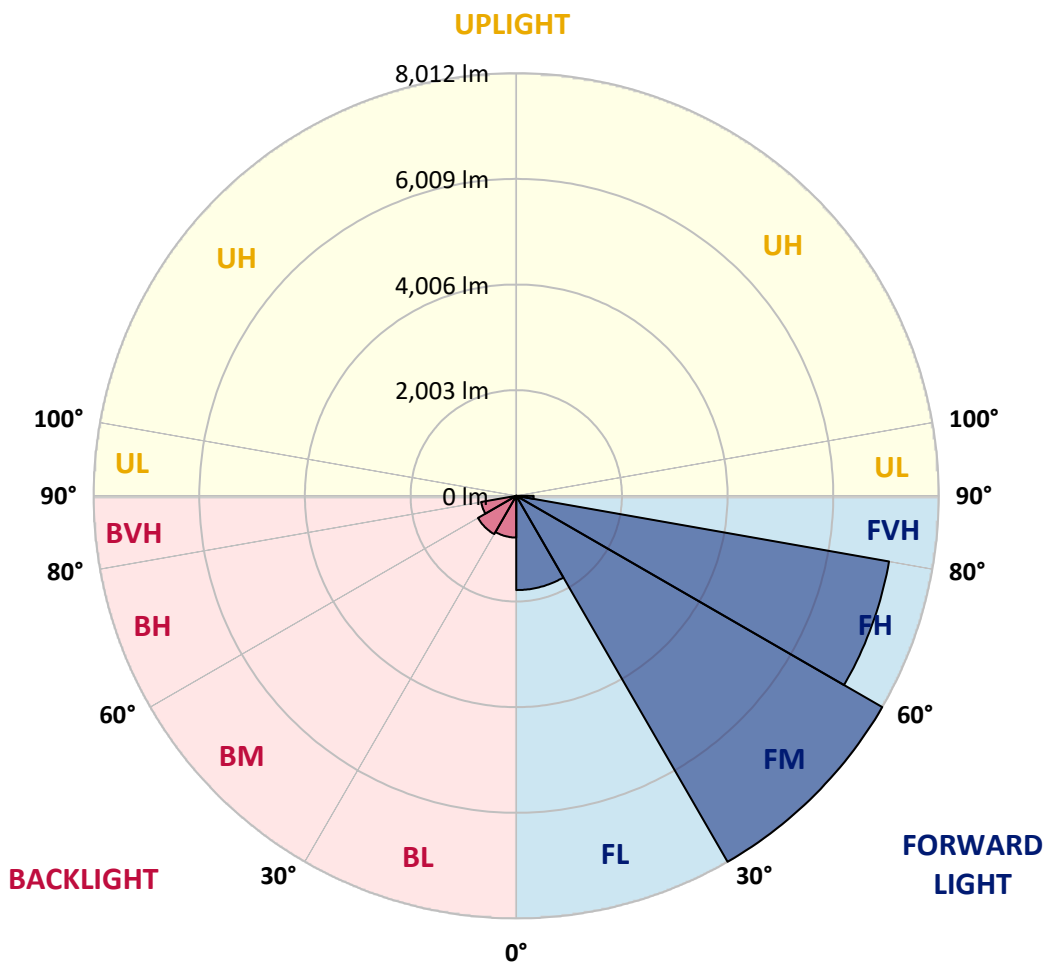


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1787.8	9.1			
FM (30°-60°)	8012.2	40.8			
FH (60°-80°)	7176.8	36.6			G3/7500
FVH (80°-90°)	330.4	1.7			G3/500
BL (0°-30°)	791.3	4.0	B2/1000		
BM (30°-60°)	838.1	4.3	B1/1000		
BH (60°-80°)	675.7	3.4	B2/1000		G2/1000
BVH (80°-90°)	7.6	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-G3
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0
2.5°	5002.0	4989.6	4999.5	5021.1	5031.9	5031.9	5040.2	5030.2	5033.6	5009.5	4974.6
5°	4689.0	4669.9	4697.3	4757.9	4832.6	4896.6	4991.2	5041.0	5046.0	5046.8	5006.2
7.5°	4352.0	4334.5	4375.2	4446.6	4542.9	4661.6	4826.8	4971.3	4979.6	5057.6	5027.7
10°	4078.0	4065.5	4112.9	4189.2	4302.1	4435.0	4637.5	4838.5	4862.5	5035.2	5024.4
12.5°	3860.5	3850.5	3895.3	3983.3	4098.7	4245.7	4457.4	4690.7	4723.1	4984.6	5007.8
15°	3701.9	3700.2	3737.6	3822.3	3950.1	4087.1	4303.8	4553.7	4591.1	4929.8	5005.3
17.5°	3618.9	3621.4	3648.8	3721.0	3830.6	3966.7	4174.3	4438.3	4479.0	4880.8	5017.8
20°	3610.6	3613.1	3628.0	3668.7	3757.5	3877.9	4068.9	4341.2	4383.5	4844.3	5037.7
22.5°	3683.6	3682.0	3686.1	3682.0	3731.8	3823.1	3999.1	4266.4	4315.4	4820.2	5053.5
25°	3823.9	3821.5	3819.8	3789.1	3755.9	3804.8	3970.1	4224.1	4270.6	4802.8	5062.6
27.5°	4019.0	4017.4	4014.9	3964.2	3864.6	3833.9	3973.4	4208.3	4247.3	4788.6	5061.0
30°	4275.6	4287.2	4283.9	4213.3	4058.1	3922.7	4008.2	4200.0	4234.1	4761.2	5043.5
32.5°	4576.9	4600.2	4618.5	4542.9	4348.6	4098.7	4088.8	4209.2	4234.1	4740.5	5012.0
35°	4889.9	4919.8	4987.1	4960.5	4704.8	4363.6	4227.4	4264.0	4284.7	4752.1	4997.0
37.5°	5197.9	5233.6	5379.8	5457.0	5171.4	4713.9	4443.3	4399.3	4410.1	4822.7	5013.6
40°	5555.8	5609.7	5831.4	5955.9	5728.4	5183.0	4766.2	4631.7	4635.9	4977.9	5090.8
42.5°	6025.7	6081.3	6321.2	6516.3	6356.1	5775.8	5204.6	4987.1	4982.9	5268.5	5272.7
45°	6598.5	6656.6	6904.8	7121.5	7049.3	6478.1	5765.8	5505.9	5501.0	5726.8	5617.2
47.5°	7247.7	7305.0	7526.7	7750.0	7828.0	7298.4	6480.6	6214.1	6202.5	6363.6	6149.4
50°	7804.8	7842.2	8046.4	8346.9	8698.9	8306.2	7369.8	7113.2	7100.8	7209.5	6930.6
52.5°	8007.4	8029.0	8236.5	8657.4	9535.8	9671.1	8537.9	8207.4	8198.3	8245.6	7970.8
55°	7597.2	7636.3	7891.1	8515.5	9989.1	11213.6	10012.3	9562.3	9493.4	9391.3	9058.4
57.5°	6479.8	6542.0	6816.0	7646.2	9777.4	12437.4	12179.2	11094.9	10993.6	10369.3	9942.6
60°	4855.1	4931.4	5158.9	6054.7	8647.5	12873.2	14546.9	12802.7	12574.3	11148.0	10755.4
62.5°	3331.6	3369.8	3524.2	4107.9	6368.5	12159.2	16527.8	15089.9	14673.1	11994.9	11634.5
65°	2544.6	2557.9	2621.0	2821.9	3792.4	9877.0	17315.7	18107.7	17603.8	13007.7	12546.9
67.5°	2050.6	2039.8	2127.0	2414.2	2539.6	6025.7	16396.6	20962.8	20727.0	14361.8	13465.2
69°	1808.2	1793.3	1882.1	2215.8	2385.2	3983.3	14658.2	21611.2	21626.1	15076.6	13528.3
70°	1627.2	1637.2	1725.2	2097.9	2332.9	3126.6	12997.8	21446.0	21563.8	15343.9	13149.7
72.5°	1086.7	1113.3	1290.1	1741.8	2243.2	2366.1	7848.0	18403.2	18856.5	14742.0	11281.7
75°	612.7	632.6	842.7	1313.4	2113.7	2253.2	4145.2	13558.1	13996.5	12327.8	8699.8
77.5°	300.5	311.3	476.5	847.6	1767.5	2146.9	2351.2	9209.5	9710.1	8046.4	4920.6
80°	127.0	132.8	238.3	523.0	1263.6	2049.0	1745.9	5667.8	5730.1	3152.3	1310.9
82.5°	49.0	50.6	100.5	326.3	802.8	1597.3	1460.3	2687.4	2622.6	593.6	298.9
85°	5.8	6.6	36.5	195.9	446.7	821.9	1186.4	1158.1	1071.8	117.9	153.6
87.5°	0.0	0.0	2.5	59.8	132.8	385.2	616.8	480.7	433.4	38.2	79.7
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°	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0
2.5°	4945.6	4937.3	4892.4	4827.7	4766.2	4689.9	4616.8	4572.8	4537.9	4514.7	4542.1
5°	4958.8	4922.3	4786.2	4611.8	4440.8	4248.2	4068.9	3916.9	3857.2	3790.7	3820.6
7.5°	4954.7	4885.8	4640.9	4330.4	4016.6	3691.9	3384.8	3148.2	3025.3	2904.9	2935.6
10°	4933.9	4817.7	4446.6	3986.7	3516.8	3050.2	2614.3	2283.1	2097.9	1930.2	1954.3
12.5°	4888.3	4726.4	4217.5	3593.1	2964.7	2349.5	1838.9	1414.7	1187.2	1086.7	1099.2
15°	4860.9	4637.5	3975.0	3194.6	2375.2	1636.3	1124.1	836.0	732.2	699.0	703.2
17.5°	4847.6	4552.0	3724.3	2738.9	1772.5	1041.9	726.4	640.9	618.5	612.7	614.4
20°	4834.3	4465.7	3466.1	2288.1	1221.2	700.7	596.9	572.0	563.7	556.2	557.9
22.5°	4811.9	4382.7	3188.8	1831.4	823.6	568.7	538.0	513.9	496.5	487.3	489.0
25°	4784.5	4295.5	2905.7	1364.0	601.1	507.3	478.2	444.2	423.4	406.8	407.6
27.5°	4740.5	4188.4	2613.5	992.9	504.8	454.1	415.1	377.7	342.9	323.8	323.8
30°	4679.1	4067.2	2288.9	710.7	452.5	401.8	354.5	308.0	270.6	253.2	251.6
32.5°	4611.0	3941.0	1961.0	538.8	411.0	352.8	298.9	249.9	216.7	202.6	201.7
35°	4552.9	3804.8	1633.9	451.6	369.4	305.5	246.6	205.1	178.5	166.9	166.0
37.5°	4515.5	3668.7	1315.1	403.5	332.1	261.5	206.7	169.4	150.3	141.1	140.3
40°	4509.7	3567.4	1023.6	367.0	297.2	222.5	172.7	143.6	126.2	116.2	115.4
42.5°	4585.2	3509.3	785.4	336.2	261.5	188.5	146.9	122.9	104.6	94.6	93.8
45°	4783.7	3527.6	604.4	308.8	225.8	159.4	124.5	102.1	85.5	78.0	76.4
47.5°	5145.6	3653.7	480.7	281.4	191.8	135.3	106.3	84.7	70.6	63.1	62.3
50°	5789.9	3950.1	401.8	251.6	160.2	115.4	88.0	68.9	57.3	50.6	49.8
52.5°	6645.0	4478.1	358.7	222.5	132.8	98.0	72.2	54.8	44.8	39.9	39.0
55°	7588.1	5117.4	330.4	190.9	108.8	81.4	57.3	43.2	34.9	30.7	29.1
57.5°	8508.8	5671.2	303.9	160.2	90.5	66.4	45.7	34.0	27.4	23.2	22.4
60°	9354.8	6180.1	273.1	128.7	73.9	52.3	35.7	26.6	21.6	17.4	17.4
62.5°	10260.6	6573.6	230.8	100.5	60.6	39.9	29.1	24.1	17.4	14.9	14.1
65°	11220.3	6865.8	181.0	78.0	47.3	29.9	24.1	24.9	14.1	10.8	10.0
67.5°	11929.3	6807.7	133.7	61.4	36.5	23.2	23.2	26.6	12.5	8.3	7.5
69°	11773.2	6335.3	112.1	53.1	31.5	19.9	21.6	26.6	11.6	7.5	6.6
70°	11320.7	5812.3	98.8	47.3	28.2	18.3	20.8	25.7	10.8	7.5	6.6
72.5°	9427.9	4377.7	77.2	35.7	22.4	14.9	17.4	22.4	10.8	7.5	5.8
75°	7091.6	2802.0	58.9	25.7	16.6	11.6	13.3	16.6	10.8	6.6	5.8
77.5°	3858.8	1010.4	42.3	17.4	11.6	9.1	9.1	12.5	10.0	5.0	3.3
80°	992.1	254.0	26.6	11.6	9.1	6.6	5.8	8.3	5.8	0.8	0.0
82.5°	244.9	57.3	14.1	8.3	6.6	2.5	2.5	4.2	2.5	0.0	0.0
85°	134.5	28.2	9.1	5.8	3.3	0.0	0.0	0.8	0.0	0.0	0.0
87.5°	68.9	8.3	2.5	1.7	0.8	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)