

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: P321600

Luminaire Tested: **GAN-SA6B-740-U-T3R-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321600
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-740-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26287 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

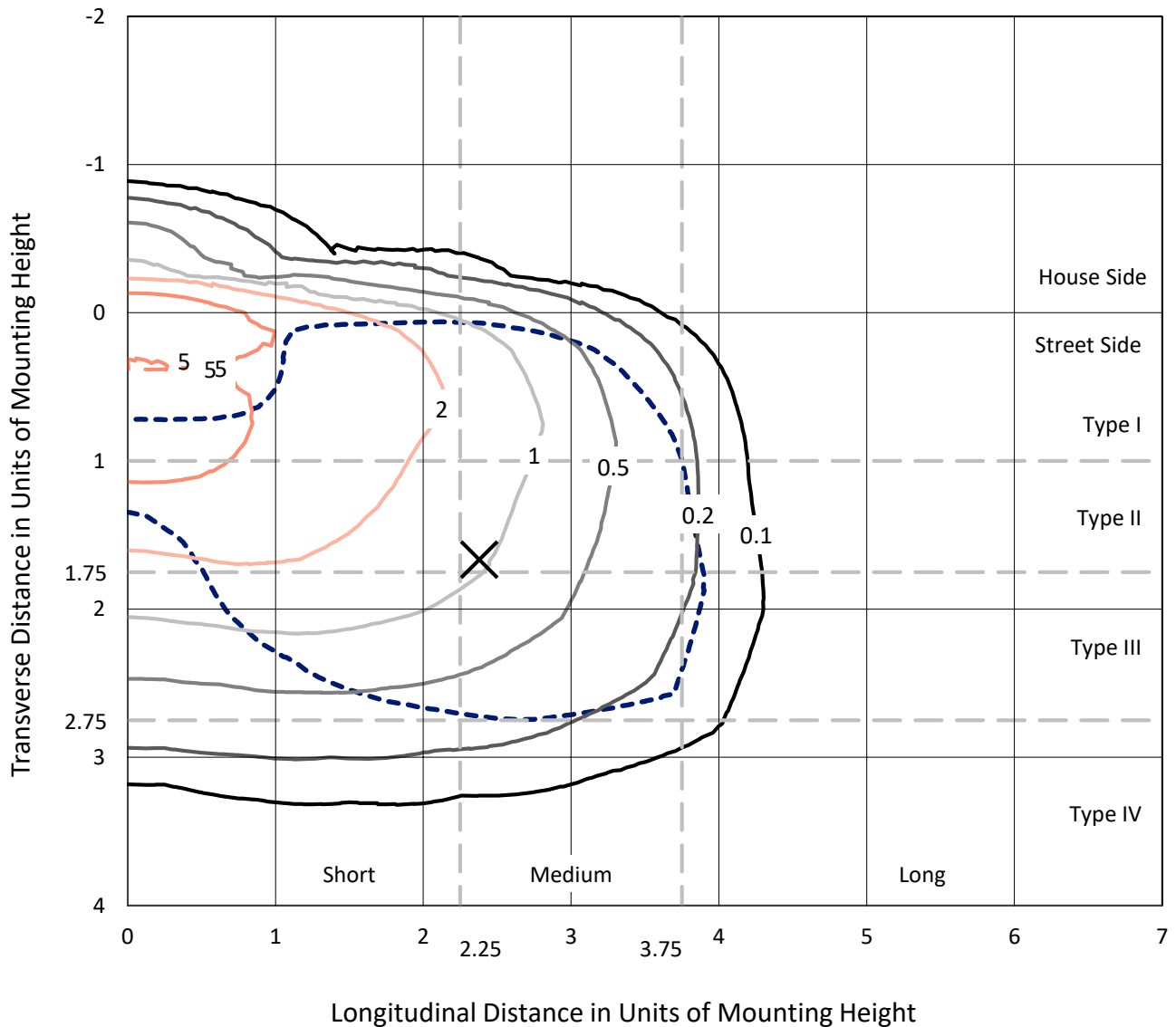
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

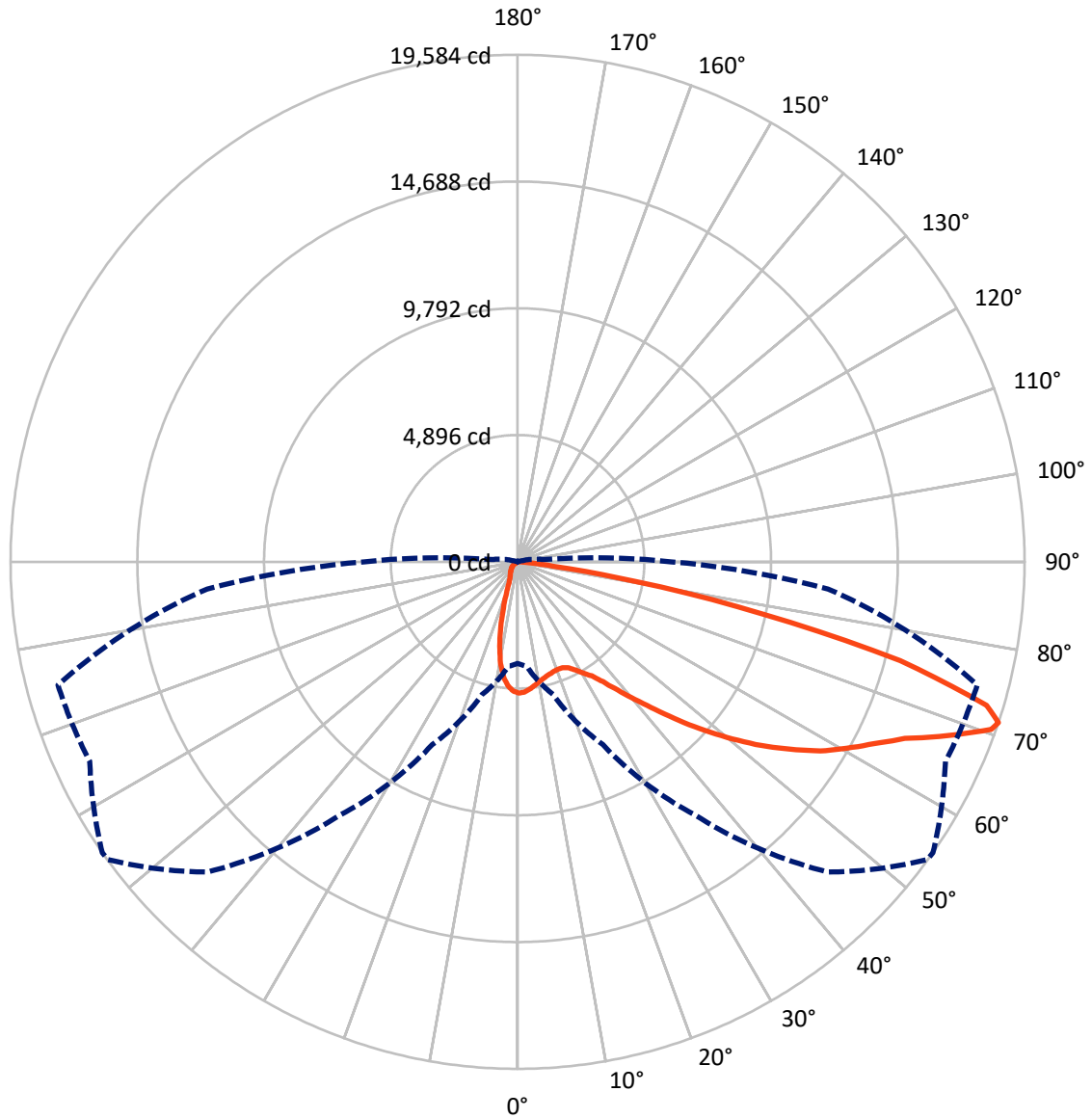
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2081.2	0.0	2081.2
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	24205.8	0.0	24205.8
	% Fixture	92.1	0.0	92.1
Total	Lumens	26287.0	0.0	26287.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	432.2	1.6
10°-20°	975.8	3.7
20°-30°	1568.2	6.0
30°-40°	2664.4	10.1
40°-50°	4135.5	15.7
50°-60°	5560.1	21.2
60°-70°	6801.9	25.9
70°-80°	3976.9	15.1
80°-90°	171.9	0.7
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°	26287.0	100.0
0°-180°	26287.0	100.0

Coefficient of Utilization

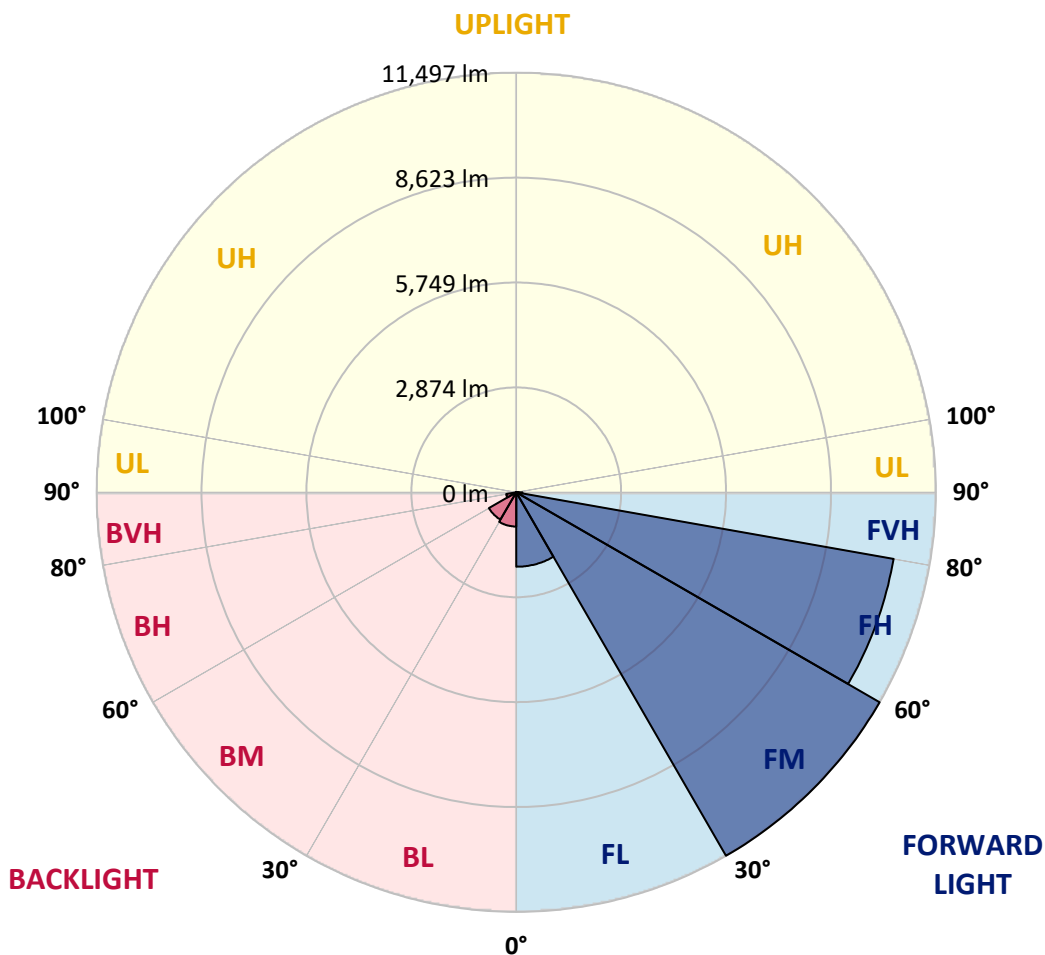


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2039.5	7.8			
FM (30°-60°)	11497.2	43.7			
FH (60°-80°)	10499.9	39.9			G4/12000
FVH (80°-90°)	169.2	0.6			G2/225
BL (0°-30°)	936.8	3.6	B2/1000		
BM (30°-60°)	862.9	3.3	B1/1000		
BH (60°-80°)	278.8	1.1	B1/500		G1/500
BVH (80°-90°)	2.7	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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	5069.5	5069.5	5069.5	5069.5	5069.5	5069.5	5069.5	5069.5	5069.5	5069.5	5069.5
2.5°	4920.8	4926.7	4948.0	4957.4	4979.8	5017.6	5036.5	5037.7	5068.4	5080.2	5089.6
5°	4572.6	4608.0	4643.4	4681.2	4749.7	4840.6	4930.3	4938.5	5037.7	5110.9	5149.8
7.5°	4272.8	4304.7	4347.2	4407.4	4504.2	4647.0	4796.9	4814.6	5002.3	5168.7	5256.0
10°	3964.7	3990.7	4052.1	4140.6	4274.0	4465.2	4667.0	4696.6	4970.4	5246.6	5400.0
12.5°	3635.4	3650.8	3725.1	3852.6	4048.6	4291.7	4557.3	4596.2	4950.3	5336.3	5570.0
15°	3385.2	3392.3	3463.1	3595.3	3819.6	4135.9	4472.3	4519.5	4955.0	5443.7	5755.3
17.5°	3321.5	3325.0	3362.8	3453.7	3652.0	3996.6	4405.0	4462.8	4969.2	5548.8	5941.8
20°	3580.0	3555.2	3516.2	3502.1	3587.0	3912.8	4364.9	4429.8	4988.1	5642.0	6109.4
22.5°	4289.3	4216.2	4054.5	3838.5	3707.4	3918.7	4375.5	4440.4	5048.3	5756.5	6303.0
25°	5342.2	5240.7	4965.7	4540.8	4132.4	4088.7	4464.0	4530.1	5165.1	5893.4	6488.3
27.5°	6540.2	6439.9	6103.5	5496.8	4800.4	4425.1	4667.0	4728.4	5338.7	6015.0	6629.9
30°	7687.5	7659.2	7262.6	6573.3	5640.8	4970.4	4929.1	4981.0	5467.3	6088.2	6742.1
32.5°	8660.1	8615.3	8296.6	7626.1	6602.8	5625.5	5237.1	5252.5	5564.1	6182.6	6888.4
35°	9561.9	9506.4	9226.7	8592.8	7589.6	6425.7	5711.6	5689.2	5775.4	6372.6	7100.9
37.5°	10349.2	10399.9	10089.5	9486.4	8474.8	7257.9	6351.4	6284.1	6105.9	6681.9	7409.0
40°	11007.8	11007.8	10846.1	10343.3	9430.9	8118.3	7074.9	6986.4	6602.8	7158.7	7799.7
42.5°	11245.1	11295.8	11356.0	11071.5	10286.6	9013.0	7881.1	7789.0	7302.7	7835.1	8293.0
45°	11259.2	11339.5	11647.6	11646.4	11059.7	9901.8	8790.0	8746.3	8199.8	8703.8	8904.5
47.5°	11059.7	11160.1	11667.6	11955.6	11672.3	10729.3	9783.8	9729.5	9253.8	9768.5	9544.2
50°	10751.7	10862.6	11452.8	12077.2	12089.0	11449.3	10830.8	10749.3	10414.1	10985.4	10205.2
52.5°	10200.5	10415.3	11260.4	12105.5	12362.8	12071.3	11827.0	11791.6	11712.5	12157.5	10731.6
55°	9021.3	9259.7	10777.6	12115.0	12616.6	12622.5	12760.6	12770.1	12929.4	13252.8	11123.5
57.5°	8464.2	8598.7	9934.9	12159.8	12993.1	13248.1	13712.0	13785.1	14031.8	14292.7	11570.8
60°	8113.6	8273.0	9519.4	12098.4	13584.5	14068.4	14593.7	14618.5	14882.9	15365.6	12176.3
62.5°	7833.9	7990.9	9257.4	11862.4	14249.0	15055.2	15455.3	15457.7	15656.0	16643.9	12864.5
65°	7143.4	7275.6	8727.4	11596.8	14688.1	16031.3	16456.2	16440.9	16602.6	17991.9	13663.6
67.5°	6144.8	6246.3	7645.0	10590.0	14522.9	16918.9	17967.1	17916.3	17720.4	19156.9	13977.5
70°	4750.9	4787.4	6025.6	8825.4	12974.3	17260.1	19427.1	19401.2	18406.2	18947.9	12826.7
71°	3927.0	4047.4	5310.3	7789.0	11936.7	16944.9	19568.8	19584.1	18233.8	18379.0	12034.7
72.5°	2280.4	2383.1	3849.1	5981.9	10134.4	15630.0	18834.6	18945.6	17428.8	16717.1	10279.5
75°	488.7	522.9	1427.0	2895.4	5574.7	10954.7	14866.3	15261.7	14205.3	11372.5	6195.6
77.5°	339.9	367.1	611.4	1313.7	1842.5	5413.0	9234.9	9681.1	8486.6	4274.0	1983.0
80°	269.1	299.8	476.9	649.2	498.1	1745.7	4325.9	4598.6	2830.4	953.7	334.0
82.5°	149.9	178.2	371.8	350.6	191.2	331.7	1211.0	1369.2	566.6	192.4	79.1
85°	43.7	53.1	239.6	255.0	81.4	63.7	206.6	256.1	107.4	50.8	35.4
87.5°	0.0	0.0	115.7	98.0	23.6	9.4	18.9	21.2	21.2	21.2	23.6
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°	5069.5	5069.5	5069.5	5069.5	5069.5	5069.5	5069.5	5069.5	5069.5	5069.5	5069.5
2.5°	5089.6	5097.9	5068.4	5029.4	4988.1	4937.3	4884.2	4842.9	4841.7	4821.7	4801.6
5°	5152.2	5147.4	5066.0	4942.1	4795.7	4643.4	4498.3	4334.2	4279.9	4212.6	4190.2
7.5°	5267.8	5234.8	5062.5	4791.0	4469.9	4151.2	3821.9	3490.3	3348.6	3221.1	3198.7
10°	5413.0	5350.5	5040.0	4564.4	3975.4	3387.6	2890.6	2439.8	2241.5	2089.2	2082.1
12.5°	5564.1	5468.5	4977.5	4222.1	3327.4	2501.1	1928.7	1484.9	1319.6	1213.4	1222.8
15°	5722.3	5579.4	4842.9	3760.5	2589.7	1697.3	1185.1	924.2	858.1	831.0	838.0
17.5°	5884.0	5656.2	4655.2	3204.6	1861.4	1095.4	820.3	747.2	747.2	753.1	755.4
20°	6024.4	5697.5	4379.0	2581.4	1261.8	797.9	717.6	707.0	712.9	722.4	723.5
22.5°	6163.7	5699.8	4019.0	1949.9	882.9	698.8	683.4	678.7	682.2	692.9	694.0
25°	6277.0	5671.5	3568.2	1386.9	704.7	658.6	651.5	649.2	651.5	664.5	664.5
27.5°	6323.1	5568.8	3018.1	975.0	631.5	613.8	611.4	613.8	617.3	626.8	627.9
30°	6327.8	5389.4	2418.5	705.8	572.5	553.6	558.3	566.6	563.0	560.7	563.0
32.5°	6339.6	5181.7	1834.2	580.7	522.9	493.4	487.5	487.5	473.3	465.1	460.3
35°	6378.5	4937.3	1330.2	521.7	472.1	437.9	415.5	389.5	362.4	348.2	344.7
37.5°	6439.9	4681.2	952.5	482.8	427.3	388.3	345.8	299.8	260.9	250.2	250.2
40°	6552.0	4416.8	704.7	452.1	391.9	343.5	279.7	219.5	184.1	178.2	178.2
42.5°	6729.1	4138.3	561.8	424.9	361.2	297.4	213.6	159.3	133.4	129.8	128.7
45°	6913.2	3831.4	491.0	399.0	328.1	244.3	158.2	118.0	102.7	99.1	99.1
47.5°	7097.4	3504.4	456.8	374.2	296.3	190.0	118.0	93.2	86.2	86.2	87.3
50°	7253.2	3163.3	432.0	347.0	255.0	144.0	93.2	79.1	76.7	81.4	82.6
52.5°	7292.1	2828.1	401.3	312.8	204.2	109.8	76.7	69.6	69.6	69.6	69.6
55°	7268.5	2568.4	361.2	270.3	151.1	87.3	66.1	61.4	60.2	60.2	60.2
57.5°	7348.8	2415.0	289.2	210.1	108.6	70.8	57.8	54.3	51.9	50.8	50.8
60°	7510.5	2314.6	206.6	151.1	81.4	59.0	49.6	46.0	42.5	40.1	40.1
62.5°	7725.3	2227.3	153.4	112.1	62.6	47.2	41.3	37.8	33.0	30.7	30.7
65°	7890.5	2071.5	116.9	83.8	47.2	37.8	31.9	30.7	23.6	21.2	20.1
67.5°	7638.0	1729.2	94.4	61.4	35.4	29.5	24.8	23.6	14.2	11.8	11.8
70°	6550.9	1203.9	75.5	44.9	26.0	23.6	20.1	15.3	10.6	9.4	9.4
71°	5940.6	1005.6	68.5	37.8	22.4	22.4	18.9	13.0	9.4	8.3	8.3
72.5°	4935.0	714.1	57.8	29.5	20.1	23.6	20.1	11.8	9.4	8.3	7.1
75°	2864.7	298.6	40.1	20.1	15.3	28.3	26.0	10.6	7.1	5.9	5.9
77.5°	861.6	109.8	22.4	13.0	11.8	24.8	29.5	9.4	3.5	1.2	1.2
80°	157.0	47.2	14.2	8.3	8.3	15.3	22.4	4.7	0.0	0.0	0.0
82.5°	55.5	23.6	8.3	4.7	3.5	7.1	10.6	0.0	0.0	0.0	0.0
85°	31.9	16.5	4.7	2.4	0.0	1.2	2.4	0.0	0.0	0.0	0.0
87.5°	21.2	4.7	0.0	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)