

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: P192854

Luminaire Tested: **GAN-AF-06-LED-U-SL3-7030-600-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P192854
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24289)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-06-LED-U-SL3-7030-600-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 615mA 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: 19381.5 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B2 - U0 - G4

Input Watts (W): 193
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: 28.75 FT

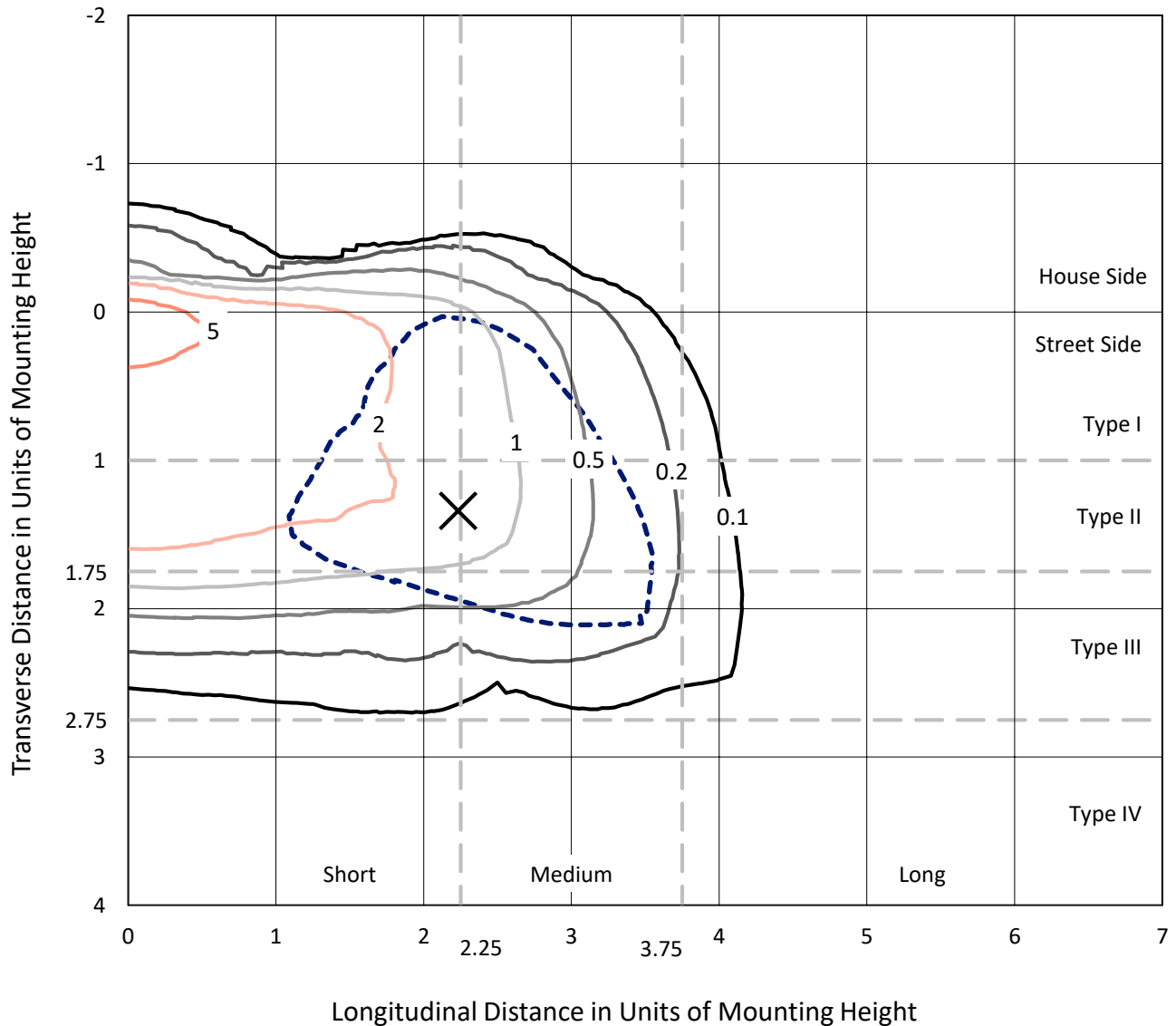


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

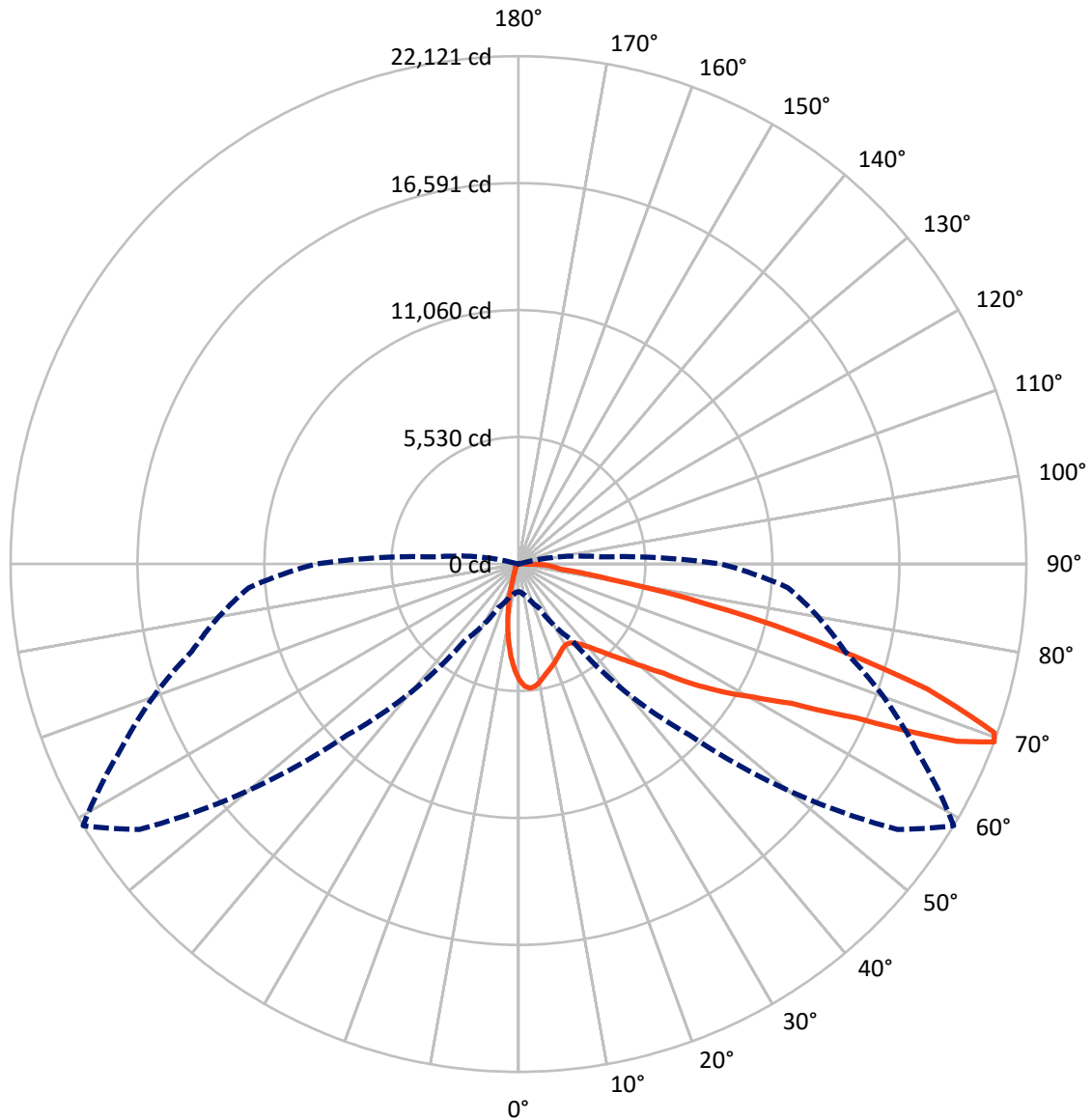


Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1578.4	0.0	1578.4
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	17803.1	0.0	17803.1
	% Fixture	91.9	0.0	91.9
Total	Lumens	19381.5	0.0	19381.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	409.5	2.1
10°-20°	846.1	4.4
20°-30°	1138.5	5.9
30°-40°	1653.1	8.5
40°-50°	2752.5	14.2
50°-60°	4293.9	22.2
60°-70°	5313.4	27.4
70°-80°	2692.7	13.9
80°-90°	281.7	1.5
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°	19381.5	100.0
0°-180°	19381.5	100.0



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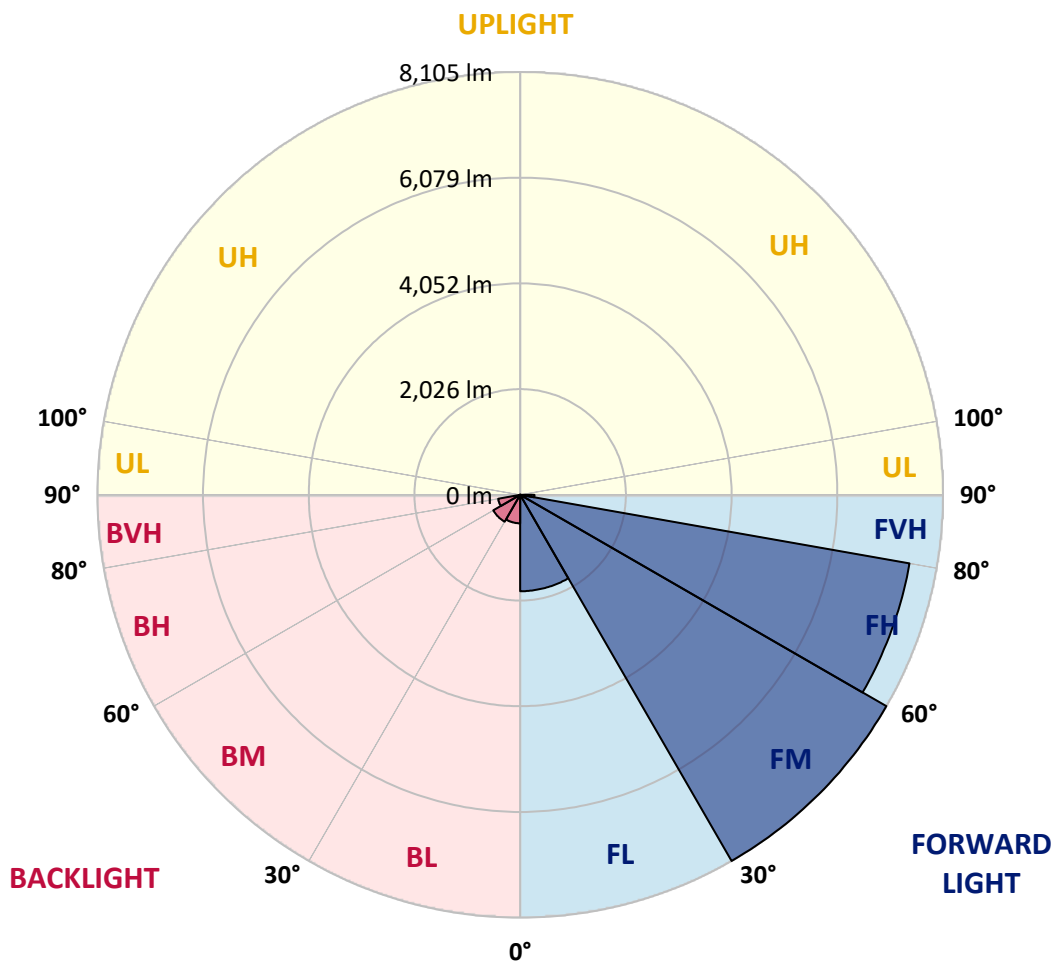
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1847.8	9.5			
FM	(30°-60°)	8104.8	41.8			
FH	(60°-80°)	7577.5	39.1			G4/12000
FVH	(80°-90°)	273.1	1.4			G3/500
BL	(0°-30°)	546.3	2.8	B2/1000		
BM	(30°-60°)	594.7	3.1	B1/1000		
BH	(60°-80°)	428.6	2.2	B1/500		G1/500
BVH	(80°-90°)	8.7	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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	5044.7	5044.7	5044.7	5044.7	5044.7	5044.7	5044.7	5044.7	5044.7	5044.7	5044.7
2.5°	5529.2	5527.0	5502.9	5491.9	5472.1	5430.5	5365.8	5331.9	5277.1	5181.7	5053.5
5°	5478.7	5505.0	5519.3	5520.5	5534.6	5519.3	5461.3	5432.7	5357.1	5203.7	4973.5
7.5°	5136.9	5146.6	5187.2	5222.3	5290.3	5354.9	5375.7	5363.6	5318.7	5154.3	4848.6
10°	4770.7	4780.6	4828.8	4874.8	4966.9	5066.7	5171.9	5193.7	5212.4	5084.2	4727.9
12.5°	4455.1	4465.0	4514.3	4574.5	4682.0	4804.6	4968.0	5004.2	5086.3	5017.3	4631.6
15°	4183.3	4187.7	4235.9	4310.4	4438.6	4596.5	4781.7	4839.7	4965.9	4970.2	4547.2
17.5°	3952.0	3963.1	3992.7	4063.9	4204.1	4399.3	4615.1	4698.3	4846.4	4930.8	4465.0
20°	3810.6	3821.7	3820.6	3860.0	3986.0	4194.3	4448.5	4548.3	4727.9	4890.2	4391.5
22.5°	3783.3	3783.3	3754.8	3749.3	3823.8	3998.2	4275.4	4397.0	4621.6	4872.6	4340.0
25°	3880.8	3876.4	3805.2	3747.1	3750.5	3854.5	4107.7	4252.4	4531.8	4884.8	4312.7
27.5°	4086.9	4081.4	3991.5	3880.8	3792.1	3791.0	3980.6	4136.2	4460.6	4941.7	4323.6
30°	4371.8	4369.6	4272.0	4132.8	3971.8	3823.8	3936.7	4078.1	4414.5	5044.7	4348.8
32.5°	4683.1	4679.8	4606.4	4459.5	4255.6	3971.8	3982.7	4101.1	4427.7	5181.7	4410.1
35°	5013.0	5007.5	4975.6	4847.5	4622.8	4244.7	4134.0	4226.0	4511.0	5386.7	4530.8
37.5°	5370.2	5375.7	5398.7	5276.0	5040.3	4627.1	4387.2	4449.6	4678.7	5665.1	4726.9
40°	5897.4	5896.2	5904.0	5742.8	5516.0	5095.2	4741.2	4760.9	4959.3	6034.4	5025.1
42.5°	6854.2	6787.3	6584.6	6255.7	6027.9	5630.0	5187.2	5166.5	5302.3	6491.4	5442.5
45°	8139.7	7997.2	7471.2	6841.0	6549.5	6232.8	5736.3	5669.5	5756.0	7040.4	5957.7
47.5°	9245.6	9097.6	8353.4	7450.4	7103.0	6804.8	6379.6	6259.0	6287.6	7655.4	6610.8
50°	9621.5	9549.1	8899.2	7980.9	7638.9	7524.9	7126.0	6979.2	6938.6	8366.6	7368.2
52.5°	9491.1	9485.6	9052.6	8325.0	8129.9	8270.2	8065.2	7895.3	7746.3	9116.3	8138.6
55°	9281.8	9309.1	9115.2	8626.3	8619.8	8950.7	9349.7	9208.3	8776.5	9930.6	8802.8
57.5°	8704.1	8821.5	9080.1	9196.3	9465.9	9804.5	10419.4	10502.6	9992.0	10554.1	9354.1
60°	7062.4	7320.0	8166.0	9278.4	10556.3	11400.2	11710.4	11781.7	10989.3	11072.6	10098.3
62.5°	5013.0	5276.0	6348.9	8230.7	10572.8	13496.8	13633.8	13354.3	12087.5	11840.9	11381.6
65°	2661.0	2863.8	3740.5	5941.2	9166.7	13983.4	16997.4	16164.5	14025.1	13352.1	13039.8
67.5°	1361.2	1422.5	1771.1	2907.6	6301.8	12420.6	20012.4	20598.6	17364.5	14851.5	12959.8
69°	1204.5	1240.6	1471.8	2102.0	4035.4	10520.1	20159.2	22120.9	19112.6	14726.5	11777.3
70°	1166.2	1197.9	1408.4	1902.6	3154.2	8822.5	19597.0	21987.4	19559.7	14250.9	10893.9
72.5°	989.7	1017.1	1253.8	1681.2	2563.4	4379.4	15919.0	18631.4	17552.0	11871.6	7885.5
75°	662.0	751.8	1203.4	1575.9	2384.8	2487.9	10495.0	13463.9	12507.1	8007.2	4107.7
77.5°	158.9	171.0	339.8	1253.8	2181.0	2189.8	5397.6	8370.0	6826.7	2853.9	971.0
80°	85.4	82.2	95.4	248.8	2030.8	2054.9	2429.7	4062.7	2437.5	473.4	320.0
82.5°	60.3	57.1	61.4	104.2	638.9	1871.9	1758.0	1839.1	1010.4	181.9	143.5
85°	22.0	20.9	34.0	94.3	200.6	1076.2	1806.2	1516.8	818.7	83.2	105.2
87.5°	7.6	6.5	13.1	51.5	61.4	458.2	1114.6	1146.3	322.2	50.4	49.2
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°	5044.7	5044.7	5044.7	5044.7	5044.7	5044.7	5044.7	5044.7	5044.7	5044.7	5044.7
2.5°	4999.8	4931.9	4806.9	4678.7	4560.4	4417.8	4346.6	4276.5	4246.9	4235.9	4184.4
5°	4855.2	4740.1	4474.8	4208.5	3963.1	3702.1	3530.0	3392.1	3310.9	3271.4	3209.0
7.5°	4670.0	4481.4	4079.2	3668.2	3285.8	2908.7	2629.3	2414.4	2266.5	2195.2	2130.5
10°	4490.2	4239.2	3667.1	3107.2	2587.6	2087.8	1702.0	1422.5	1243.9	1161.8	1109.1
12.5°	4329.1	4003.6	3269.2	2560.2	1908.1	1322.8	930.5	708.0	597.3	559.0	540.3
15°	4185.5	3786.6	2893.4	2040.8	1292.1	756.2	508.5	432.8	415.4	415.4	413.2
17.5°	4049.5	3574.0	2530.6	1553.0	811.0	462.5	386.9	377.1	377.1	381.5	381.5
20°	3919.1	3371.2	2179.8	1114.6	510.7	367.1	349.6	347.5	349.6	355.1	355.1
22.5°	3807.3	3187.1	1852.2	765.1	379.2	330.9	322.2	318.9	320.0	323.3	325.5
25°	3724.1	3031.4	1543.1	518.4	326.5	301.3	291.5	286.0	281.7	281.7	283.8
27.5°	3671.4	2900.0	1243.9	377.1	293.7	274.0	258.6	249.8	240.1	234.6	236.8
30°	3633.1	2774.9	963.3	308.0	263.0	243.3	223.6	209.3	195.0	188.5	190.6
32.5°	3618.8	2674.1	720.0	271.8	235.7	213.7	189.6	171.0	155.5	150.1	151.3
35°	3657.2	2594.2	527.1	245.5	213.7	186.3	158.9	138.1	126.0	122.7	123.8
37.5°	3758.1	2551.4	394.5	223.6	193.9	163.4	132.6	112.9	105.2	105.2	106.3
40°	3948.7	2550.3	316.8	208.2	176.5	141.4	109.6	95.4	91.0	93.2	94.3
42.5°	4227.1	2608.4	276.2	193.9	161.1	120.5	91.0	81.1	80.0	82.2	83.2
45°	4607.5	2714.8	254.2	181.9	144.7	100.8	76.7	70.2	70.2	73.4	74.6
47.5°	5073.2	2870.3	235.7	169.9	128.3	84.3	65.8	61.4	62.5	65.8	66.8
50°	5634.4	3066.5	217.0	156.7	116.2	70.2	57.1	53.7	54.8	59.2	60.3
52.5°	6273.3	3330.7	201.7	144.7	100.8	58.1	48.2	46.0	48.2	52.6	53.7
55°	6821.3	3567.5	183.0	134.8	81.1	48.2	39.5	39.5	41.6	47.1	48.2
57.5°	7348.4	3815.2	166.6	116.2	63.6	38.4	32.9	34.0	37.2	42.7	43.8
60°	8122.3	4234.8	146.9	97.6	48.2	30.7	27.5	28.5	32.9	38.4	39.5
62.5°	9436.2	4873.7	127.2	81.1	37.2	24.1	22.0	24.1	29.6	36.2	37.2
65°	10622.0	5133.5	104.2	68.0	28.5	18.7	18.7	22.0	28.5	35.1	36.2
67.5°	9961.2	4321.4	81.1	53.7	22.0	14.2	15.3	20.9	27.5	35.1	36.2
69°	8809.3	3533.5	69.1	42.7	18.7	13.1	14.2	20.9	27.5	34.0	35.1
70°	7911.8	2983.3	61.4	36.2	16.4	13.1	14.2	19.7	27.5	34.0	35.1
72.5°	5299.0	1611.0	49.2	26.3	15.3	12.0	12.0	19.7	26.3	32.9	34.0
75°	2277.4	445.0	39.5	18.7	13.1	10.9	10.9	18.7	25.2	31.8	34.0
77.5°	416.5	112.9	31.8	16.4	13.1	10.9	9.9	17.5	24.1	30.7	31.8
80°	165.5	55.9	25.2	14.2	12.0	9.9	8.7	16.4	23.1	29.6	30.7
82.5°	99.8	31.8	20.9	13.1	12.0	8.7	7.6	14.2	22.0	28.5	29.6
85°	81.1	22.0	16.4	13.1	10.9	8.7	6.5	13.1	19.7	27.5	28.5
87.5°	39.5	15.3	15.3	12.0	10.9	8.7	6.5	12.0	18.7	26.3	27.5
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)