

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: P533599

Luminaire Tested: **GLAN-SA9A-735-U-T3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533599
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA9A-735-U-T3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23063 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

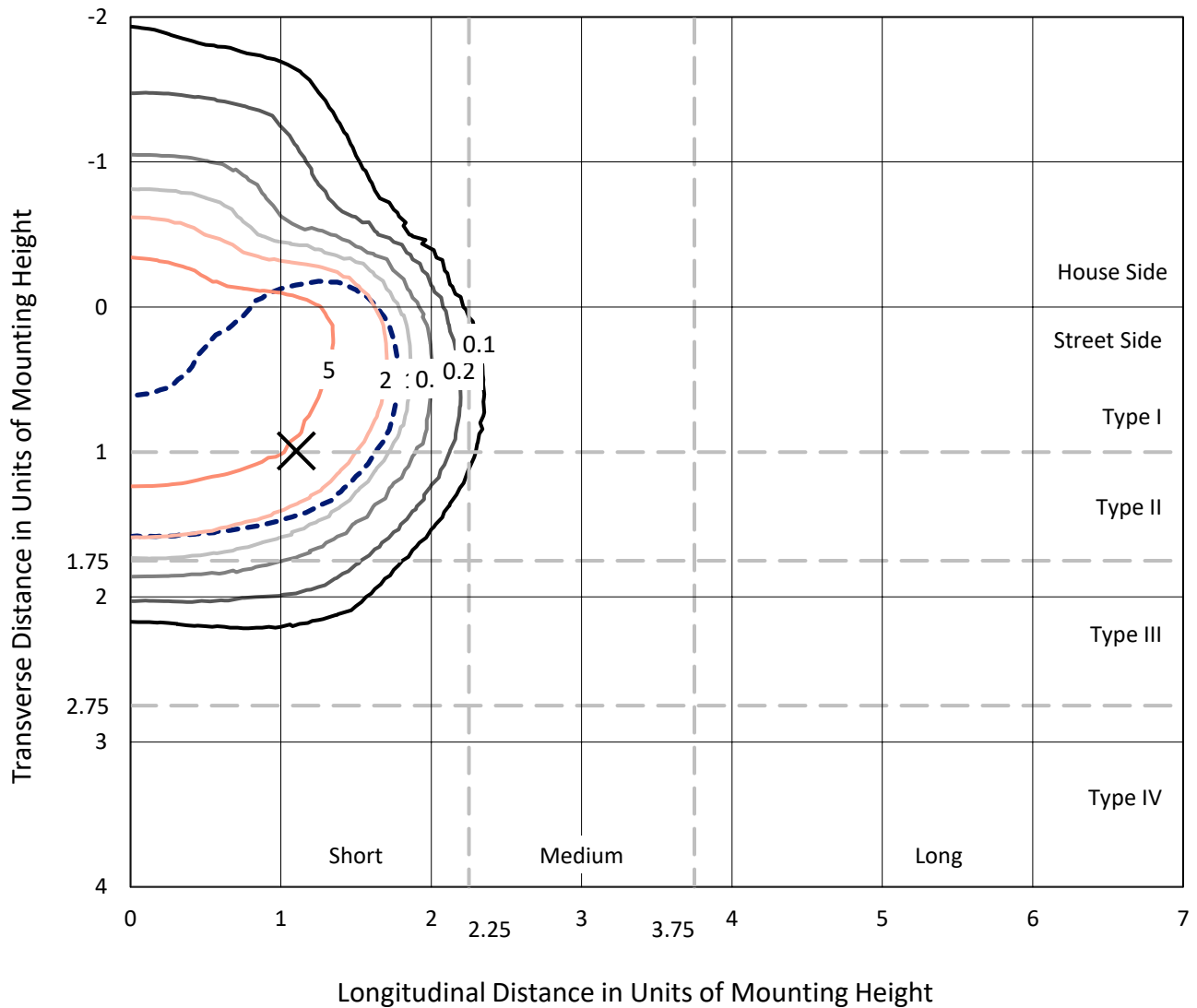
Input Watts (W): 274
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

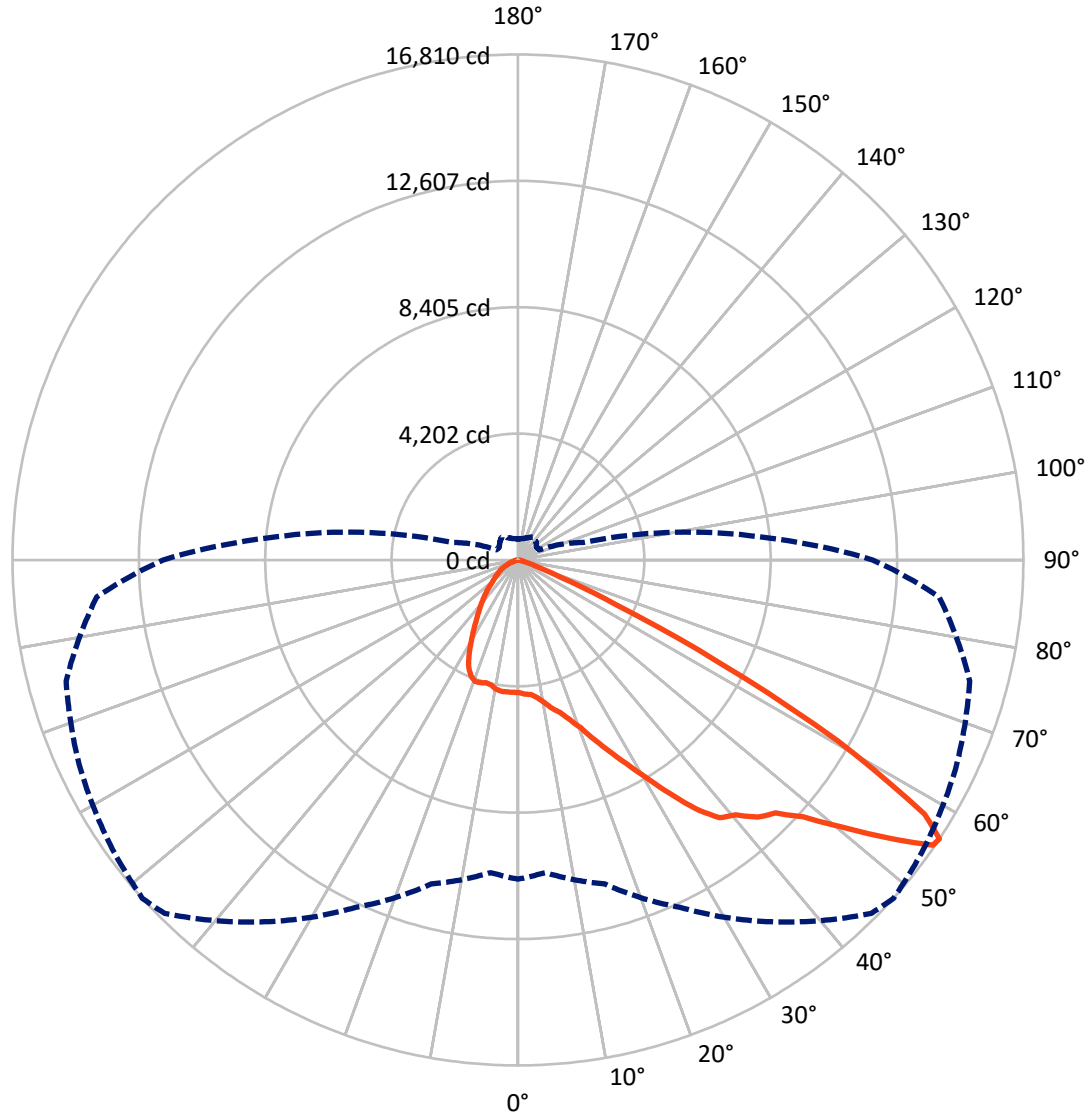
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 48-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5015.8	0.0	5015.8
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	18047.2	0.0	18047.2
	% Fixture	78.3	0.0	78.3
Total	Lumens	23063.0	0.0	23063.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.1	1.9
10°-20°	1371.3	5.9
20°-30°	2487.3	10.8
30°-40°	3907.1	16.9
40°-50°	5699.7	24.7
50°-60°	6867.0	29.8
60°-70°	2010.6	8.7
70°-80°	255.1	1.1
80°-90°	35.8	0.2
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°	23063.0	100.0
0°-180°	23063.0	100.0

Coefficient of Utilization

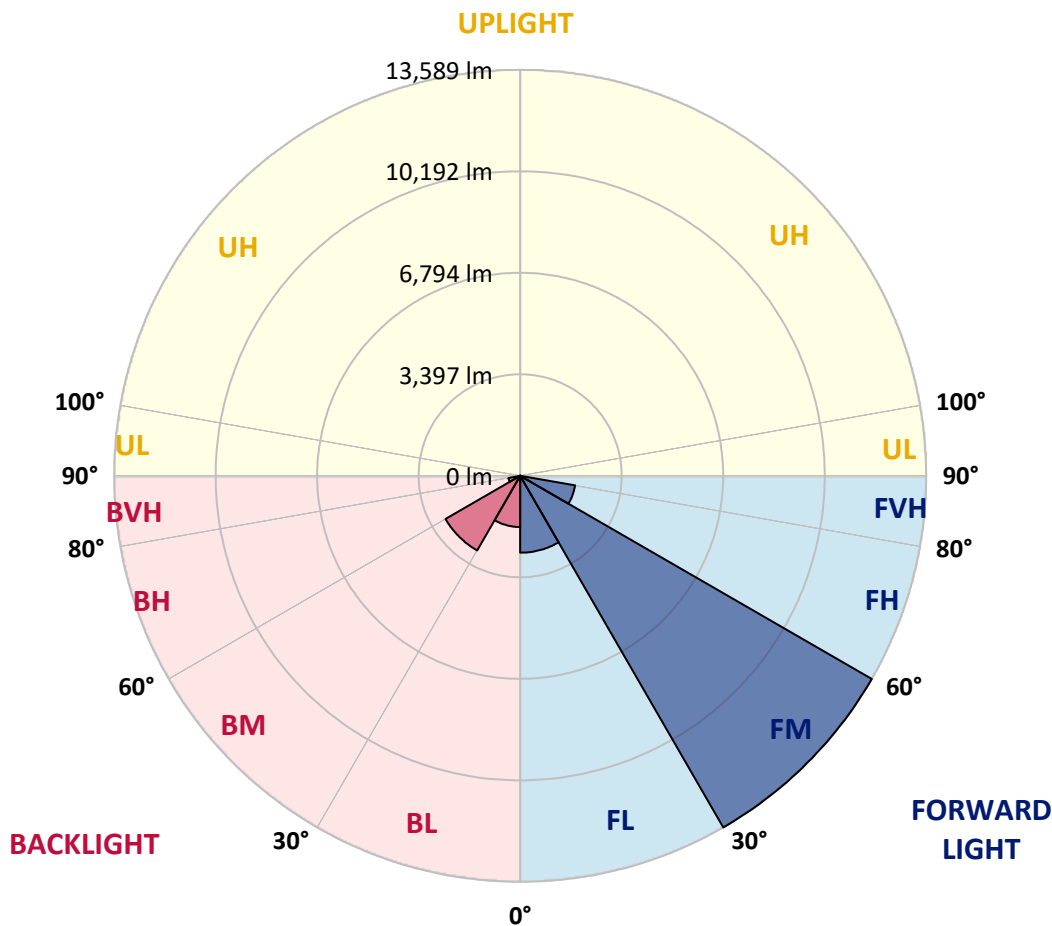


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2573.4	11.2			
FM (30°-60°)	13588.8	58.9			
FH (60°-80°)	1867.1	8.1			G2/5000
FVH (80°-90°)	18.0	0.1			G1/100
BL (0°-30°)	1714.4	7.4	B3/2500		
BM (30°-60°)	2885.0	12.5	B3/5000		
BH (60°-80°)	398.5	1.7	B1/500		G1/500
BVH (80°-90°)	17.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	48°	55°	65°	75°	85°
0°	4405.0	4405.0	4405.0	4405.0	4405.0	4405.0	4405.0	4405.0	4405.0	4405.0	4405.0
2.5°	4484.8	4463.8	4463.8	4430.2	4468.0	4451.2	4463.8	4421.8	4463.8	4400.8	4451.2
5°	4505.8	4510.0	4493.2	4514.2	4514.2	4539.4	4497.4	4535.2	4556.2	4510.0	4489.0
7.5°	4615.0	4623.4	4619.2	4602.4	4636.0	4631.8	4627.6	4598.2	4606.6	4589.8	4564.6
10°	4829.2	4825.0	4846.0	4804.0	4778.8	4808.2	4816.6	4770.4	4736.8	4724.2	4644.4
12.5°	5139.9	5089.5	5060.1	5018.1	5030.7	4988.7	5064.3	4984.5	4967.7	4892.2	4812.4
15°	5391.9	5383.5	5387.7	5320.5	5244.9	5261.7	5261.7	5219.7	5194.5	5102.1	4988.7
17.5°	5908.4	5732.0	5769.8	5685.8	5622.8	5618.6	5580.8	5589.2	5522.1	5328.9	5156.7
20°	6311.5	6235.9	6177.1	6034.4	5937.8	5967.2	5950.4	5908.4	5887.4	5635.4	5391.9
22.5°	6672.7	6697.8	6601.3	6563.5	6429.1	6441.7	6475.3	6437.5	6277.9	6017.6	5656.4
25°	7180.8	7151.4	7021.2	6975.0	6849.0	6895.2	7025.4	6996.0	6895.2	6424.9	5862.2
27.5°	7781.3	7680.5	7705.7	7495.7	7373.9	7504.1	7659.5	7806.5	7520.9	6903.6	6105.8
30°	8205.4	8100.4	8092.0	8083.6	8054.2	8205.4	8386.0	8520.3	8289.4	7382.3	6508.9
32.5°	8415.4	8440.5	8511.9	8486.7	8742.9	9053.6	9242.6	9435.8	9146.0	8163.4	7042.2
35°	8973.9	8814.3	8973.9	8990.7	9255.2	9914.5	10153.9	10615.8	10544.4	9267.8	7693.1
37.5°	9301.4	9288.8	9309.8	9469.4	9725.5	10540.2	10880.3	11237.3	11102.9	9931.3	8503.5
40°	9843.1	9876.7	9872.5	9994.3	10275.6	11010.5	11149.1	11438.8	11451.4	10850.9	9696.1
42.5°	10712.4	10578.0	10489.8	10615.8	11010.5	11417.8	11695.0	11636.2	12051.9	11967.9	11228.9
45°	11493.4	11573.2	11443.0	11653.0	11795.8	12014.1	12005.7	12131.7	12660.8	13059.8	12383.7
47.5°	12224.1	12274.5	12337.5	12480.3	12791.0	12824.6	12753.2	12698.6	13429.3	13840.8	13278.1
50°	12660.8	12707.0	13001.0	13257.1	13836.6	13912.2	13954.2	13815.6	14311.1	14357.3	14122.2
52.5°	12543.2	12593.6	13005.2	13849.2	14773.1	15465.9	15340.0	15104.8	15075.4	15256.0	14903.2
55°	11501.8	11455.6	12022.5	13336.9	15067.0	16729.9	16746.7	16499.0	16024.4	15902.7	14785.7
56°	10615.8	10435.2	11157.5	12744.8	14689.1	16620.7	16809.7	16545.2	16100.0	15554.1	14059.2
57.5°	8696.7	8868.9	9587.0	10901.3	13383.1	15835.5	15944.7	15881.7	15545.7	14630.3	12371.1
60°	4795.6	5097.9	5732.0	7340.3	9528.2	12152.7	12240.9	12753.2	12816.2	11203.7	8511.9
62.5°	2036.6	2003.1	2662.3	3846.5	5425.5	7336.1	7499.9	8024.8	8121.4	6458.5	4270.7
65°	827.3	873.4	1205.2	1935.9	2868.1	3342.6	3573.6	3745.8	4064.9	2666.5	1574.7
67.5°	545.9	541.7	709.7	1104.4	1545.3	1490.7	1490.7	1574.7	1457.1	1087.6	680.3
70°	390.5	403.1	508.1	764.3	961.6	713.9	684.5	655.1	743.3	718.1	550.1
72.5°	256.2	273.0	340.1	457.7	499.7	390.5	390.5	470.3	613.1	579.5	449.3
75°	168.0	172.2	210.0	264.6	247.8	201.6	222.6	314.9	445.1	428.3	319.1
77.5°	113.4	117.6	142.8	172.2	138.6	113.4	121.8	159.6	218.4	218.4	168.0
80°	42.0	46.2	58.8	54.6	63.0	79.8	88.2	109.2	130.2	130.2	113.4
82.5°	0.0	4.2	12.6	29.4	46.2	63.0	71.4	84.0	96.6	109.2	105.0
85°	0.0	4.2	12.6	21.0	33.6	37.8	42.0	29.4	25.2	25.2	21.0
87.5°	0.0	0.0	4.2	4.2	4.2	4.2	4.2	4.2	8.4	4.2	4.2
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°	4405.0	4405.0	4405.0	4405.0	4405.0	4405.0	4405.0	4405.0	4405.0	4405.0	4405.0
2.5°	4405.0	4400.8	4400.8	4388.2	4413.4	4400.8	4409.2	4405.0	4350.5	4392.4	4363.1
5°	4451.2	4480.6	4434.4	4426.0	4392.4	4405.0	4405.0	4363.1	4400.8	4396.6	4388.2
7.5°	4568.8	4518.4	4468.0	4417.6	4409.2	4396.6	4350.5	4333.7	4363.1	4329.5	4379.8
10°	4619.2	4627.6	4552.0	4484.8	4421.8	4333.7	4270.7	4232.9	4186.7	4237.1	4266.5
12.5°	4850.2	4766.2	4636.0	4531.0	4316.9	4228.7	4165.7	4148.9	4228.7	4245.5	4216.1
15°	4930.0	4917.4	4749.4	4514.2	4291.7	4186.7	4199.3	4165.7	4174.1	4132.1	4140.5
17.5°	5093.7	4950.9	4753.6	4459.6	4287.5	4262.3	4186.7	4052.3	3976.7	3943.1	3972.5
20°	5274.3	5135.7	4850.2	4480.6	4325.3	4258.1	4010.3	3846.5	3691.2	3607.2	3611.4
22.5°	5433.9	5261.7	4808.2	4489.0	4358.9	4081.7	3783.5	3460.2	3267.0	3136.9	3141.1
25°	5627.0	5383.5	4825.0	4505.8	4270.7	3800.3	3372.0	3057.1	2826.1	2737.9	2767.3
27.5°	5736.2	5459.1	4917.4	4543.6	4039.7	3401.4	2939.5	2645.5	2511.2	2469.2	2465.0
30°	6063.8	5627.0	5030.7	4468.0	3653.4	2973.1	2544.8	2364.2	2234.0	2196.2	2204.6
32.5°	6550.9	5933.6	5177.7	4270.7	3258.6	2591.0	2288.6	2154.2	2032.5	1961.1	1952.7
35°	6958.2	6458.5	5333.1	3964.1	2800.9	2297.0	2108.0	1940.1	1755.3	1675.5	1654.5
37.5°	7735.1	7050.6	5299.5	3502.2	2364.2	2078.6	1914.9	1709.1	1549.5	1440.4	1427.8
40°	8768.1	7743.5	5135.7	2939.5	2040.8	1885.5	1709.1	1511.7	1314.4	1222.0	1213.6
42.5°	10023.7	8591.7	4837.6	2368.4	1717.5	1692.3	1532.7	1306.0	1129.6	1062.4	1066.6
45°	11044.1	9318.2	4535.2	1902.3	1478.1	1503.3	1364.8	1150.6	1028.8	974.2	974.2
47.5°	11951.1	9809.5	4207.7	1570.5	1255.6	1314.4	1192.6	1066.6	961.6	919.6	911.2
50°	12824.6	10309.2	3880.1	1272.4	1070.8	1129.6	1117.0	1016.2	932.2	881.8	886.0
52.5°	13370.5	10389.0	3464.4	1041.4	936.4	1003.6	1045.6	953.2	860.9	831.5	823.1
55°	12702.8	9360.2	2687.5	856.7	793.7	881.8	961.6	856.7	785.3	734.9	730.7
56°	11804.2	8369.2	2246.6	789.5	751.7	848.3	932.2	818.9	739.1	709.7	688.7
57.5°	9994.3	6849.0	1658.7	701.3	697.1	789.5	886.0	781.1	688.7	663.5	663.5
60°	6231.7	3854.9	1003.6	587.9	604.7	701.3	797.9	697.1	613.1	613.1	625.7
62.5°	2838.7	1604.1	608.9	499.7	520.7	604.7	709.7	629.9	583.7	629.9	638.3
65°	965.8	692.9	440.9	398.9	411.5	499.7	608.9	638.3	634.1	663.5	680.3
67.5°	541.7	445.1	369.5	331.7	323.3	369.5	499.7	638.3	613.1	600.5	608.9
70°	457.7	377.9	327.5	293.9	281.4	298.1	386.3	482.9	432.5	419.9	411.5
72.5°	369.5	314.9	285.6	264.6	226.8	193.2	176.4	184.8	205.8	218.4	239.4
75°	260.4	239.4	239.4	214.2	163.8	121.8	96.6	79.8	54.6	37.8	42.0
77.5°	147.0	147.0	151.2	130.2	105.0	79.8	58.8	42.0	21.0	8.4	4.2
80°	100.8	109.2	117.6	105.0	88.2	71.4	50.4	29.4	12.6	0.0	0.0
82.5°	100.8	113.4	121.8	105.0	88.2	67.2	50.4	29.4	12.6	4.2	0.0
85°	21.0	25.2	29.4	33.6	50.4	50.4	37.8	25.2	12.6	4.2	0.0
87.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	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)