

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: P459154

Luminaire Tested: **GLAN-SA6C-735-U-AFL-HSS**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P459154  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6C-735-U-AFL-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31819 lumens  
Efficiency: N/A  
Efficacy: 99.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2

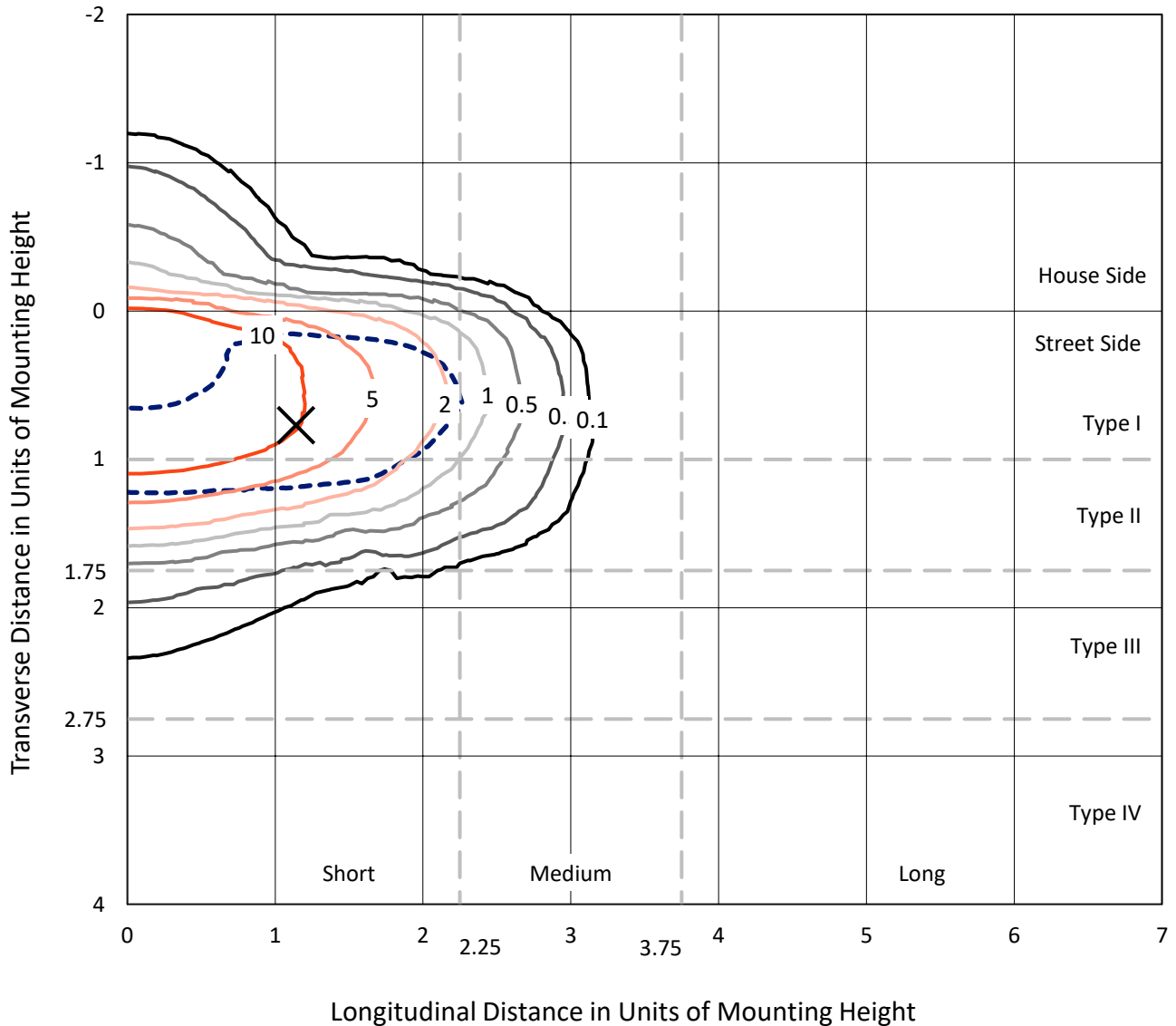
Input Watts (W): 321  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

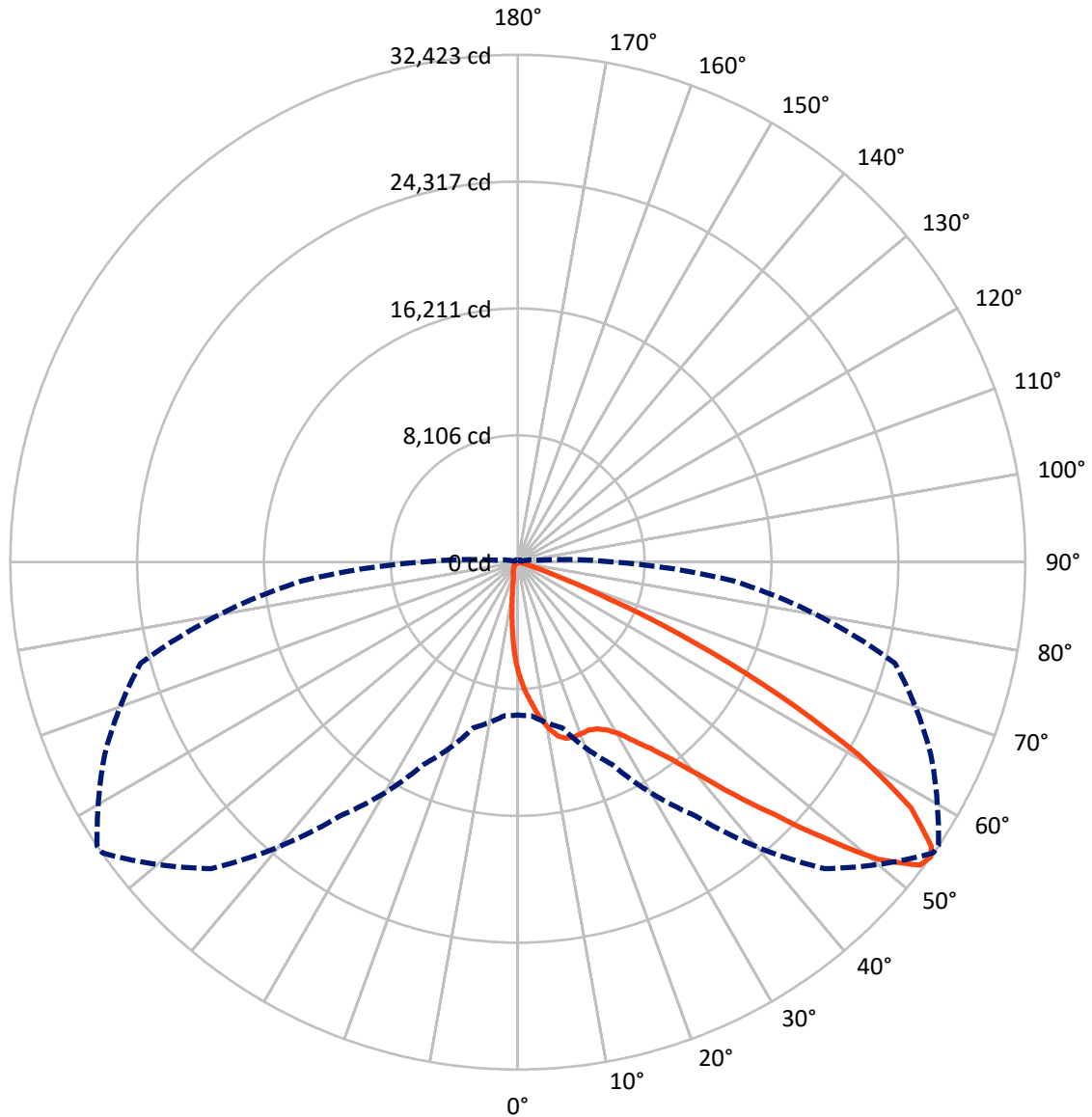
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 54-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1504.6	0.0	1504.6
	% Fixture	4.7	0.0	4.7
<b>Street Side</b>	Lumens	30314.4	0.0	30314.4
	% Fixture	95.3	0.0	95.3
<b>Total</b>	Lumens	31819.0	0.0	31819.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	624.7	2.0
10°-20°	1688.7	5.3
20°-30°	2924.7	9.2
30°-40°	5048.5	15.9
40°-50°	8592.8	27.0
50°-60°	8503.7	26.7
60°-70°	3881.2	12.2
70°-80°	498.4	1.6
80°-90°	56.2	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°	31819.0	100.0
0°-180°	31819.0	100.0

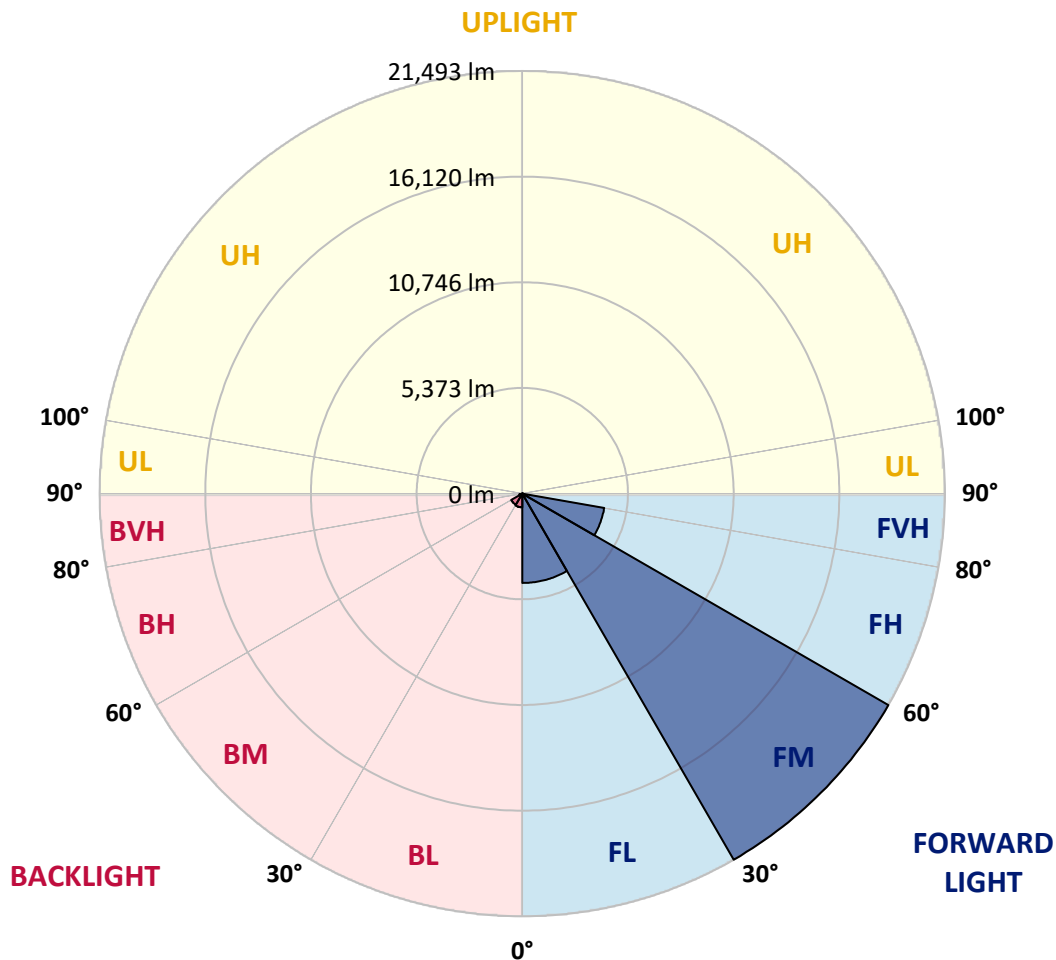


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4542.3	14.3			
FM (30°-60°)	21492.9	67.5			
FH (60°-80°)	4229.0	13.3			G2/5000
FVH (80°-90°)	50.1	0.2			G1/100
BL (0°-30°)	695.9	2.2	B2/1000		
BM (30°-60°)	652.1	2.0	B1/1000		
BH (60°-80°)	150.7	0.5	B1/500		G1/500
BVH (80°-90°)	6.0	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-G2**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	7069.3	7069.3	7069.3	7069.3	7069.3	7069.3	7069.3	7069.3	7069.3	7069.3	7069.3
2.5°	8984.2	8921.9	8836.0	8769.5	8612.8	8387.4	8149.1	8149.1	7919.4	7599.5	7273.2
5°	10362.4	10321.6	10237.9	10066.1	9890.1	9574.5	9095.8	9012.1	8602.1	8022.4	7412.7
7.5°	10922.7	10942.0	10946.3	10901.2	10817.5	10506.2	10031.8	9973.8	9319.1	8541.9	7595.2
10°	10386.0	10480.5	10572.8	10759.5	11023.6	11098.7	10830.4	10770.3	10126.2	9067.9	7792.7
12.5°	9587.4	9638.9	9690.5	9984.6	10514.8	11122.3	11403.6	11401.4	10856.1	9591.7	8043.9
15°	9216.0	9261.1	9265.4	9396.4	9855.8	10740.2	11648.3	11680.5	11568.9	10237.9	8314.4
17.5°	9293.3	9329.8	9299.7	9331.9	9572.4	10319.5	11620.4	11727.7	12146.3	10858.3	8559.1
20°	9797.8	9868.6	9752.7	9662.5	9735.5	10207.8	11525.9	11676.2	12554.2	11463.7	8782.4
22.5°	10703.7	10742.4	10596.4	10349.5	10220.7	10441.8	11500.2	11648.3	12902.0	11959.6	8911.2
25°	11710.6	11697.7	11536.7	11259.7	10989.2	10914.1	11669.8	11802.9	13189.7	12406.1	8949.8
27.5°	12717.4	12756.0	12485.5	12142.1	11817.9	11622.5	12049.7	12148.5	13513.8	12914.9	8997.1
30°	13887.4	13825.1	13558.9	13166.1	12794.7	12522.0	12661.6	12689.5	13960.4	13589.0	9121.6
32.5°	15409.4	15237.7	14939.3	14252.3	13986.1	13524.6	13558.9	13593.3	14503.5	14256.6	9271.8
35°	17474.6	17466.0	16882.1	15956.8	15308.5	14735.3	14585.1	14613.0	15325.7	15248.4	9604.6
37.5°	19960.5	19994.9	19329.4	18397.7	17204.1	16293.9	15984.7	15989.0	16575.1	16618.0	10111.2
40°	21984.9	22075.1	21677.9	21048.9	19870.4	18447.1	17927.6	17880.3	18331.1	18277.5	10834.7
42.5°	22856.5	22940.2	23088.4	23307.3	22659.0	21484.7	20258.9	20323.3	20460.7	20085.0	11646.2
45°	22429.3	22562.4	23144.2	24496.6	25106.3	24711.3	23249.4	23024.0	22442.2	22049.3	12461.9
47.5°	20649.6	20973.8	21946.3	24198.2	26332.1	27667.4	26624.1	26325.7	24425.8	23483.4	12981.4
50°	17723.6	17742.9	19097.5	21976.3	25696.7	29532.9	30069.6	29846.3	26274.1	24288.4	13243.3
52.5°	12848.3	13271.2	14512.1	17846.0	22944.5	29249.5	32265.7	32173.4	28180.5	24700.6	13621.2
54°	9767.7	9849.3	10952.7	14260.9	19782.4	27693.2	32401.0	32422.5	29127.2	24949.6	13844.4
55°	8007.4	7812.0	8971.3	12148.5	17624.9	26317.1	31958.8	32061.8	29552.2	25078.4	14009.7
57.5°	3795.5	3797.6	4684.2	6408.1	11038.6	20435.0	29256.0	29620.9	29599.5	25299.5	14518.5
60°	1921.3	1934.2	2129.6	2958.2	5452.8	13584.7	24189.6	25059.1	27321.8	25331.7	14686.0
62.5°	1343.9	1328.8	1296.6	1423.3	2294.9	6904.0	18009.1	18764.8	23212.9	24105.9	14153.6
65°	1150.7	1118.5	1028.3	1009.0	1159.2	2750.0	11216.8	12449.0	17723.6	20872.9	12638.0
67.5°	983.2	970.3	888.8	839.4	820.1	1197.9	5787.7	6436.0	12114.1	15003.7	9572.4
70°	835.1	828.6	779.3	717.0	663.3	717.0	2146.8	2659.8	6751.5	8078.2	4516.8
72.5°	678.4	684.8	693.4	614.0	558.2	508.8	916.7	1066.9	2825.1	2887.4	1580.0
75°	594.7	588.2	588.2	534.5	465.8	377.8	504.5	543.1	865.1	802.9	367.1
77.5°	418.6	403.6	472.3	440.1	388.6	268.3	287.7	304.8	358.5	307.0	171.7
80°	289.8	289.8	302.7	395.0	349.9	195.4	176.0	188.9	212.5	182.5	98.8
82.5°	163.2	167.4	197.5	210.4	203.9	131.0	115.9	118.1	141.7	124.5	62.3
85°	19.3	32.2	113.8	111.6	83.7	58.0	64.4	66.5	88.0	77.3	36.5
87.5°	2.1	4.3	23.6	30.1	21.5	23.6	23.6	23.6	30.1	34.3	25.8
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°	7069.3	7069.3	7069.3	7069.3	7069.3	7069.3	7069.3	7069.3	7069.3	7069.3	7069.3
2.5°	7097.2	6934.0	6545.5	6094.6	5807.0	5339.0	4944.0	4658.5	4587.6	4450.2	4491.0
5°	7088.6	6749.4	5957.2	5120.0	4227.0	3561.5	3065.6	2674.9	2503.1	2389.3	2309.9
7.5°	7092.9	6562.6	5291.8	3958.6	2891.7	2239.1	1779.7	1541.4	1382.5	1316.0	1324.5
10°	7105.8	6352.3	4518.9	2932.5	1951.4	1446.9	1165.7	1051.9	998.2	989.7	987.5
12.5°	7135.8	6122.5	3780.4	2176.8	1365.3	1051.9	944.6	905.9	888.8	888.8	882.3
15°	7168.0	5869.2	3166.5	1618.7	1051.9	903.8	854.4	835.1	824.4	824.4	822.2
17.5°	7168.0	5577.3	2593.3	1255.9	905.9	830.8	792.2	766.4	757.8	757.8	755.7
20°	7122.9	5238.1	2084.5	1011.1	822.2	762.1	723.5	695.5	684.8	680.5	678.4
22.5°	6966.2	4785.1	1659.4	869.4	753.5	702.0	652.6	620.4	611.8	607.5	609.7
25°	6687.1	4274.2	1313.8	764.2	691.3	629.0	586.1	562.5	553.9	553.9	556.0
27.5°	6399.5	3739.6	1041.2	684.8	616.1	560.3	526.0	510.9	508.8	515.2	517.4
30°	6133.3	3203.0	843.7	620.4	549.6	502.3	478.7	474.4	474.4	476.6	478.7
32.5°	5837.0	2732.8	706.3	564.6	495.9	455.1	442.2	442.2	446.5	446.5	450.8
35°	5650.3	2329.2	620.4	510.9	455.1	420.8	412.2	414.3	420.8	429.4	433.6
37.5°	5549.4	2007.2	564.6	468.0	416.5	392.9	384.3	388.6	403.6	418.6	420.8
40°	5558.0	1764.6	519.5	431.5	386.4	360.7	354.2	367.1	382.1	397.1	399.3
42.5°	5652.4	1584.3	476.6	388.6	360.7	324.2	322.0	334.9	341.3	356.4	358.5
45°	5764.0	1453.4	431.5	343.5	313.4	281.2	283.4	294.1	302.7	326.3	330.6
47.5°	5798.4	1363.2	380.0	292.0	257.6	246.9	249.0	255.5	272.6	294.1	296.3
50°	5837.0	1307.4	330.6	246.9	219.0	216.8	219.0	223.3	234.0	242.6	240.4
52.5°	6002.3	1305.2	289.8	214.7	186.8	191.1	193.2	191.1	182.5	169.6	165.3
54°	6156.9	1311.7	270.5	199.6	171.7	178.2	176.0	165.3	143.8	131.0	124.5
55°	6281.4	1318.1	259.8	188.9	163.2	165.3	167.4	146.0	118.1	105.2	100.9
57.5°	6526.1	1303.1	234.0	165.3	143.8	135.2	133.1	96.6	64.4	55.8	51.5
60°	6403.8	1176.4	212.5	141.7	122.4	109.5	90.2	53.7	32.2	23.6	23.6
62.5°	5922.9	998.2	188.9	115.9	100.9	83.7	47.2	30.1	15.0	8.6	6.4
65°	5298.2	839.4	169.6	92.3	79.4	53.7	25.8	19.3	6.4	0.0	0.0
67.5°	3939.3	622.6	143.8	73.0	60.1	34.3	17.2	10.7	2.1	0.0	0.0
70°	1824.7	380.0	122.4	55.8	42.9	25.8	12.9	6.4	0.0	0.0	0.0
72.5°	523.8	238.3	100.9	40.8	30.1	21.5	10.7	4.3	2.1	0.0	0.0
75°	182.5	191.1	75.1	30.1	23.6	15.0	8.6	4.3	2.1	0.0	0.0
77.5°	109.5	154.6	47.2	25.8	19.3	12.9	8.6	4.3	2.1	2.1	0.0
80°	62.3	103.0	30.1	21.5	17.2	10.7	6.4	4.3	2.1	2.1	0.0
82.5°	34.3	49.4	23.6	19.3	15.0	10.7	6.4	4.3	2.1	2.1	2.1
85°	27.9	25.8	19.3	17.2	12.9	8.6	6.4	2.1	0.0	0.0	0.0
87.5°	21.5	17.2	17.2	17.2	12.9	8.6	6.4	2.1	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)