

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: McGRAW-EDISON

Report Number: P531022

Luminaire Tested: **GALN-SA6B-735-U-T2-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531022  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA6B-735-U-T2-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26366 lumens  
Efficiency: N/A  
Efficacy: 108.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

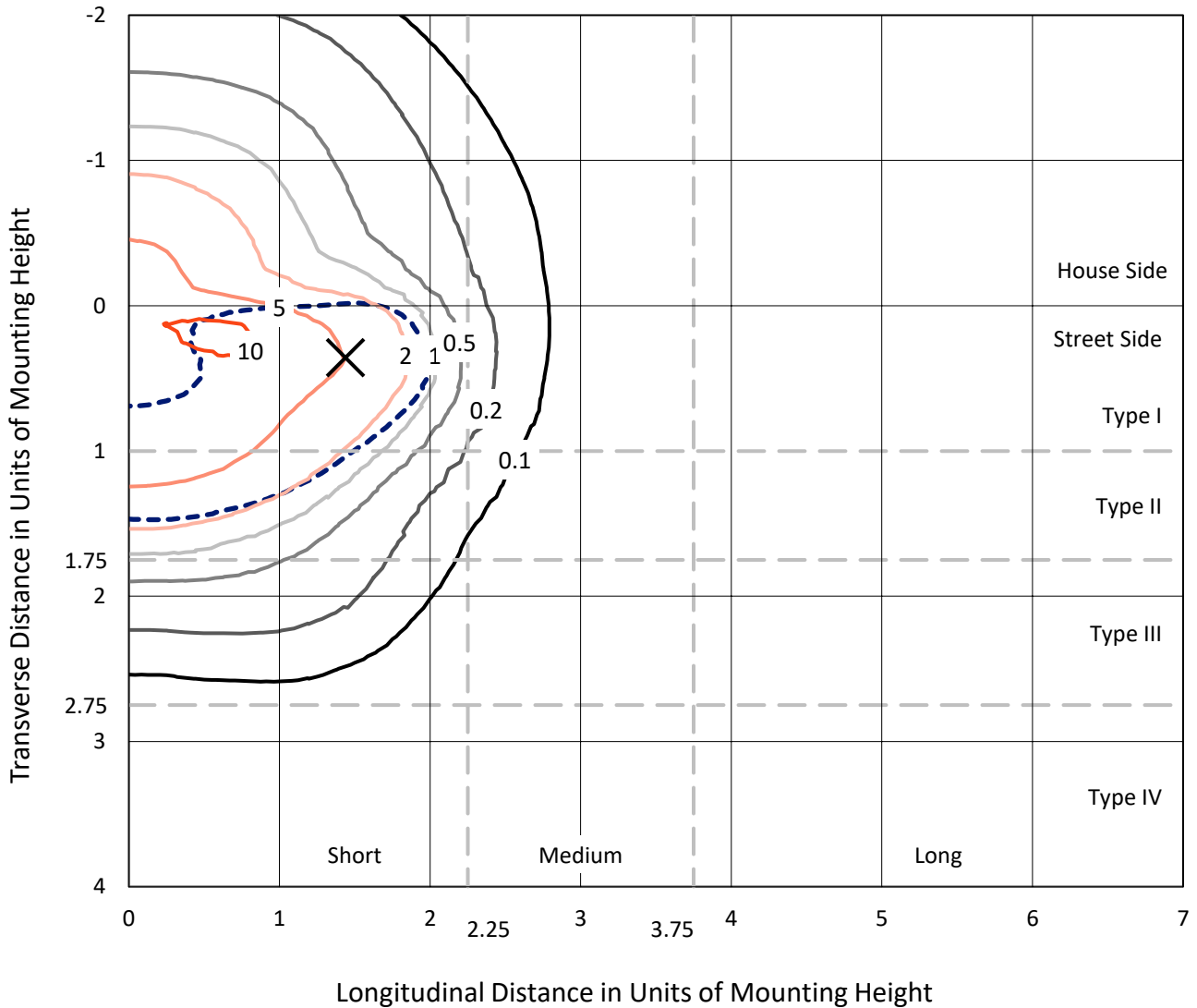
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

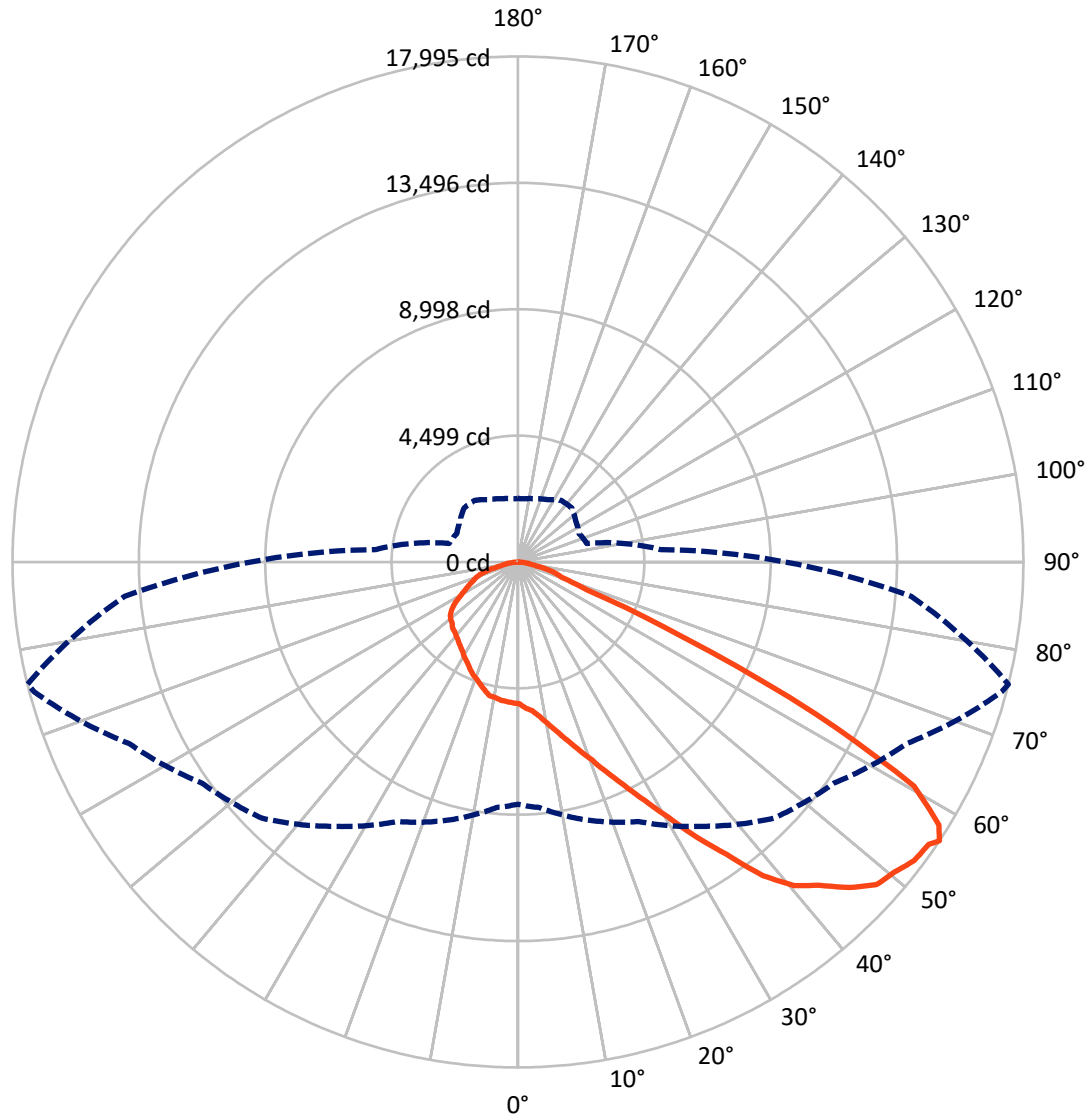
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7089.0	0.0	7089.0
	% Fixture	26.9	0.0	26.9
<b>Street Side</b>	Lumens	19277.0	0.0	19277.0
	% Fixture	73.1	0.0	73.1
<b>Total</b>	Lumens	26366.0	0.0	26366.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	500.3	1.9
10°-20°	1571.6	6.0
20°-30°	2748.5	10.4
30°-40°	4303.3	16.3
40°-50°	6260.1	23.7
50°-60°	6880.3	26.1
60°-70°	3071.1	11.6
70°-80°	887.0	3.4
80°-90°	143.9	0.5
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°	26366.0	100.0
0°-180°	26366.0	100.0

**Coefficient of Utilization**



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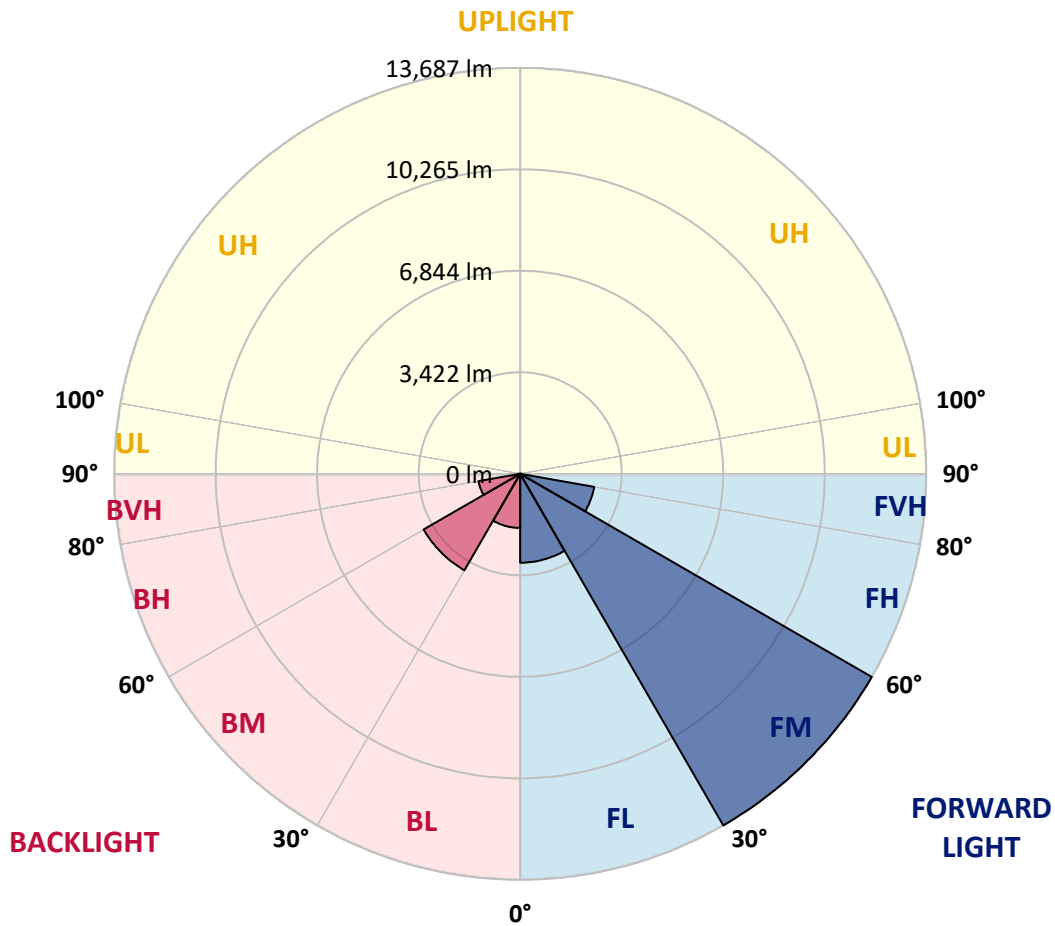
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2996.2	11.4			
FM (30°-60°)	13687.1	51.9			
FH (60°-80°)	2531.8	9.6			G2/5000
FVH (80°-90°)	61.9	0.2			G1/100
BL (0°-30°)	1824.1	6.9	B3/2500		
BM (30°-60°)	3756.6	14.2	B3/5000		
BH (60°-80°)	1426.3	5.4	B3/2500		G3/2500
BVH (80°-90°)	81.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	5044.8	5044.8	5044.8	5044.8	5044.8	5044.8	5044.8	5044.8	5044.8	5044.8	5044.8
2.5°	5557.5	5468.6	5461.8	5437.9	5451.5	5390.0	5325.1	5239.6	5150.7	5205.4	5075.6
5°	5947.1	5827.5	5875.3	5793.3	5803.6	5721.5	5588.2	5489.1	5379.7	5314.8	5222.5
7.5°	6083.8	6094.1	6128.3	6114.6	6046.2	6046.2	5957.4	5783.1	5591.7	5554.1	5400.3
10°	6268.4	6271.8	6234.2	6244.5	6340.2	6295.7	6217.1	6141.9	5895.8	5851.4	5578.0
12.5°	6333.3	6271.8	6333.3	6388.0	6500.8	6562.3	6545.2	6490.6	6227.4	6196.6	5796.7
15°	6343.6	6306.0	6357.3	6480.3	6579.4	6839.2	6969.1	6931.5	6582.8	6586.3	6042.8
17.5°	6295.7	6347.0	6367.5	6473.5	6702.5	6945.1	7321.1	7372.4	7085.3	7040.8	6353.8
20°	6360.7	6323.1	6350.4	6446.1	6750.3	7129.7	7621.9	7960.2	7556.9	7526.2	6675.1
22.5°	6610.2	6558.9	6552.1	6613.6	6832.3	7225.4	7939.7	8548.1	8131.1	8148.2	7075.0
25°	6805.0	6832.3	6808.4	6805.0	6941.7	7369.0	8360.1	9248.8	8910.4	8811.3	7546.7
27.5°	7140.0	7204.9	7157.0	7222.0	7191.2	7584.3	8660.9	10024.7	9751.2	9617.9	7973.9
30°	7604.8	7639.0	7594.5	7594.5	7502.3	7885.1	8934.3	10834.7	10721.9	10540.8	8476.4
32.5°	8216.6	8267.9	8179.0	8127.7	8114.1	8332.8	9426.5	11634.5	11825.9	11672.1	9142.8
35°	9026.6	8995.9	8889.9	8842.1	8657.5	9019.8	10157.9	12553.9	13056.3	12782.9	9949.5
37.5°	9741.0	9693.1	9686.3	9419.7	9464.1	9761.5	10780.0	13251.1	14249.2	14170.5	10800.5
40°	10407.5	10451.9	10523.7	10373.3	10304.9	10633.0	11504.6	13784.3	15175.4	15144.6	11456.7
42.5°	11121.8	11080.8	11207.2	11080.8	10978.2	11443.1	12290.7	14153.5	15988.9	15735.9	12143.7
45°	12157.4	12027.5	12072.0	12082.2	12007.0	12177.9	12615.4	14420.0	16559.6	16532.3	12646.2
47.5°	13022.1	13025.6	12950.4	12892.3	12663.3	12834.2	12977.7	14587.5	17215.9	17171.4	12841.0
50°	13343.4	13299.0	13517.7	13644.2	13657.9	13309.2	13261.4	14679.8	17561.1	17366.3	13035.8
52.5°	12188.2	12229.2	12574.4	13326.3	13760.4	13798.0	13592.9	14871.2	17701.2	17660.2	13193.0
55°	9809.3	10007.6	10574.9	11443.1	12471.9	13603.2	13951.8	15069.4	17776.4	17742.2	13890.3
56°	8623.3	8777.1	9515.4	10195.5	11487.5	12895.7	13726.2	15281.4	17834.5	17995.2	14054.3
57.5°	6941.7	7119.5	7649.2	8421.7	9946.0	11549.0	13104.2	15021.6	17608.9	17670.5	14174.0
60°	4340.7	4357.8	4993.5	5502.8	6576.0	8141.4	10000.7	13070.0	16296.5	16207.6	12731.6
62.5°	2847.1	2850.5	3428.1	3845.1	4333.9	4692.8	5885.6	8667.8	12024.1	11866.9	9064.2
65°	1999.5	2043.9	2491.6	3048.8	3247.0	3059.0	3021.4	4569.7	6716.1	6490.6	4870.5
67.5°	1462.9	1466.3	1862.7	2460.9	2748.0	2327.6	1890.1	2231.9	2659.1	2652.3	2255.8
70°	967.3	1008.3	1312.5	1838.8	2166.9	1869.6	1544.9	1596.2	1691.9	1691.9	1678.2
72.5°	564.0	601.5	803.2	1165.5	1216.8	1168.9	1223.6	1367.2	1428.7	1425.3	1408.2
75°	321.3	338.4	382.8	485.3	605.0	714.3	898.9	1035.6	1097.1	1134.7	1090.3
77.5°	188.0	198.2	225.6	276.8	314.4	386.2	488.8	584.5	666.5	656.2	663.1
80°	99.1	99.1	126.5	164.1	218.7	273.4	324.7	379.4	423.8	434.1	444.3
82.5°	58.1	61.5	82.0	119.6	157.2	194.8	249.5	287.1	328.1	331.5	338.4
85°	30.8	34.2	51.3	78.6	106.0	119.6	123.0	116.2	126.5	119.6	136.7
87.5°	10.3	10.3	17.1	13.7	13.7	17.1	20.5	20.5	27.3	27.3	27.3
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°	5044.8	5044.8	5044.8	5044.8	5044.8	5044.8	5044.8	5044.8	5044.8	5044.8	5044.8
2.5°	5072.1	5072.1	5014.0	4904.7	4887.6	4843.1	4802.1	4798.7	4767.9	4740.6	4726.9
5°	5167.8	5061.9	4976.4	4877.3	4761.1	4706.4	4644.9	4576.5	4549.2	4576.5	4573.1
7.5°	5277.2	5188.3	4932.0	4747.4	4614.1	4559.5	4491.1	4419.3	4426.2	4426.2	4378.3
10°	5383.2	5263.5	4853.4	4617.6	4422.7	4381.7	4344.1	4371.5	4405.7	4412.5	4381.7
12.5°	5560.9	5290.9	4815.8	4487.7	4364.6	4275.8	4299.7	4374.9	4446.7	4426.2	4450.1
15°	5694.2	5314.8	4644.9	4354.4	4200.6	4241.6	4327.0	4378.3	4497.9	4484.3	4508.2
17.5°	5824.1	5328.5	4477.4	4176.7	4111.7	4224.5	4289.4	4436.4	4474.0	4556.0	4586.8
20°	6090.7	5355.8	4306.5	4067.3	4046.8	4176.7	4289.4	4357.8	4439.8	4511.6	4511.6
22.5°	6227.4	5342.2	4193.7	3923.7	3988.7	4070.7	4173.2	4289.4	4289.4	4357.8	4361.2
25°	6398.3	5287.5	4016.0	3855.4	3903.2	3981.8	4098.0	4057.0	4101.5	4101.5	4156.1
27.5°	6593.1	5171.3	3862.2	3732.3	3828.0	3913.5	3930.6	3903.2	3852.0	3845.1	3824.6
30°	6750.3	5027.7	3749.4	3691.3	3769.9	3817.8	3763.1	3705.0	3616.1	3609.3	3561.4
32.5°	6965.6	4850.0	3609.3	3588.8	3677.6	3681.1	3664.0	3575.1	3445.2	3390.5	3335.9
35°	7327.9	4747.4	3503.3	3534.1	3561.4	3551.2	3520.4	3424.7	3294.8	3270.9	3250.4
37.5°	7594.5	4672.2	3394.0	3431.6	3455.5	3469.2	3376.9	3270.9	3274.3	3226.5	3212.8
40°	7895.3	4624.4	3305.1	3322.2	3325.6	3370.0	3257.2	3206.0	3229.9	3199.1	3219.6
42.5°	8281.5	4638.1	3212.8	3199.1	3264.1	3247.0	3192.3	3123.9	3137.6	3045.3	3059.0
45°	8486.6	4730.4	3158.1	3096.6	3168.4	3165.0	3093.2	3028.2	2946.2	2768.5	2775.3
47.5°	8623.3	4754.3	3028.2	2987.2	3062.4	3106.9	3024.8	2874.4	2758.2	2631.8	2601.0
50°	8763.5	4798.7	2966.7	2881.3	2912.0	3018.0	2915.5	2771.9	2659.1	2546.3	2563.4
52.5°	8886.5	4884.2	2847.1	2720.6	2775.3	2891.5	2836.8	2662.5	2539.5	2447.2	2419.9
55°	9433.4	5075.6	2645.4	2481.4	2611.3	2758.2	2727.5	2515.6	2382.3	2334.4	2327.6
56°	9518.8	5082.4	2539.5	2399.4	2519.0	2713.8	2676.2	2450.6	2331.0	2255.8	2259.2
57.5°	9532.5	5000.4	2389.1	2324.2	2426.7	2648.9	2601.0	2399.4	2235.3	2166.9	2146.4
60°	8387.5	3903.2	2201.1	2160.1	2279.7	2450.6	2433.5	2259.2	2074.7	1996.0	2033.6
62.5°	5718.1	2860.8	2054.1	2047.3	2108.8	2276.3	2231.9	2074.7	1920.9	1869.6	1845.7
65°	3329.0	2170.4	1910.6	1883.3	1934.5	2023.4	2054.1	1890.1	1729.4	1695.3	1685.0
67.5°	1965.3	1794.4	1726.0	1681.6	1664.5	1719.2	1743.1	1647.4	1486.8	1438.9	1479.9
70°	1644.0	1596.2	1599.6	1524.4	1483.4	1445.8	1425.3	1339.8	1206.5	1145.0	1127.9
72.5°	1418.4	1397.9	1384.2	1315.9	1278.3	1192.8	1104.0	1018.5	919.4	868.1	871.6
75°	1083.5	1076.6	1083.5	1049.3	984.4	916.0	834.0	724.6	649.4	584.5	598.1
77.5°	646.0	666.5	676.7	663.1	635.7	574.2	522.9	451.2	379.4	328.1	321.3
80°	444.3	461.4	478.5	461.4	434.1	389.6	335.0	280.3	229.0	201.7	194.8
82.5°	338.4	355.5	365.7	348.6	314.4	266.6	229.0	191.4	150.4	123.0	116.2
85°	123.0	140.1	136.7	164.1	177.7	170.9	147.0	112.8	85.4	61.5	58.1
87.5°	34.2	30.8	34.2	34.2	34.2	30.8	27.3	27.3	27.3	17.1	13.7
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)