

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: P531025

Luminaire Tested: **GALN-SA6B-735-U-T3-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531025  
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: McGRAW-EDISON  
Catalog Number: GALN-SA6B-735-U-T3-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 800mA 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: 18770 lumens  
Efficiency: N/A  
Efficacy: 77.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G1

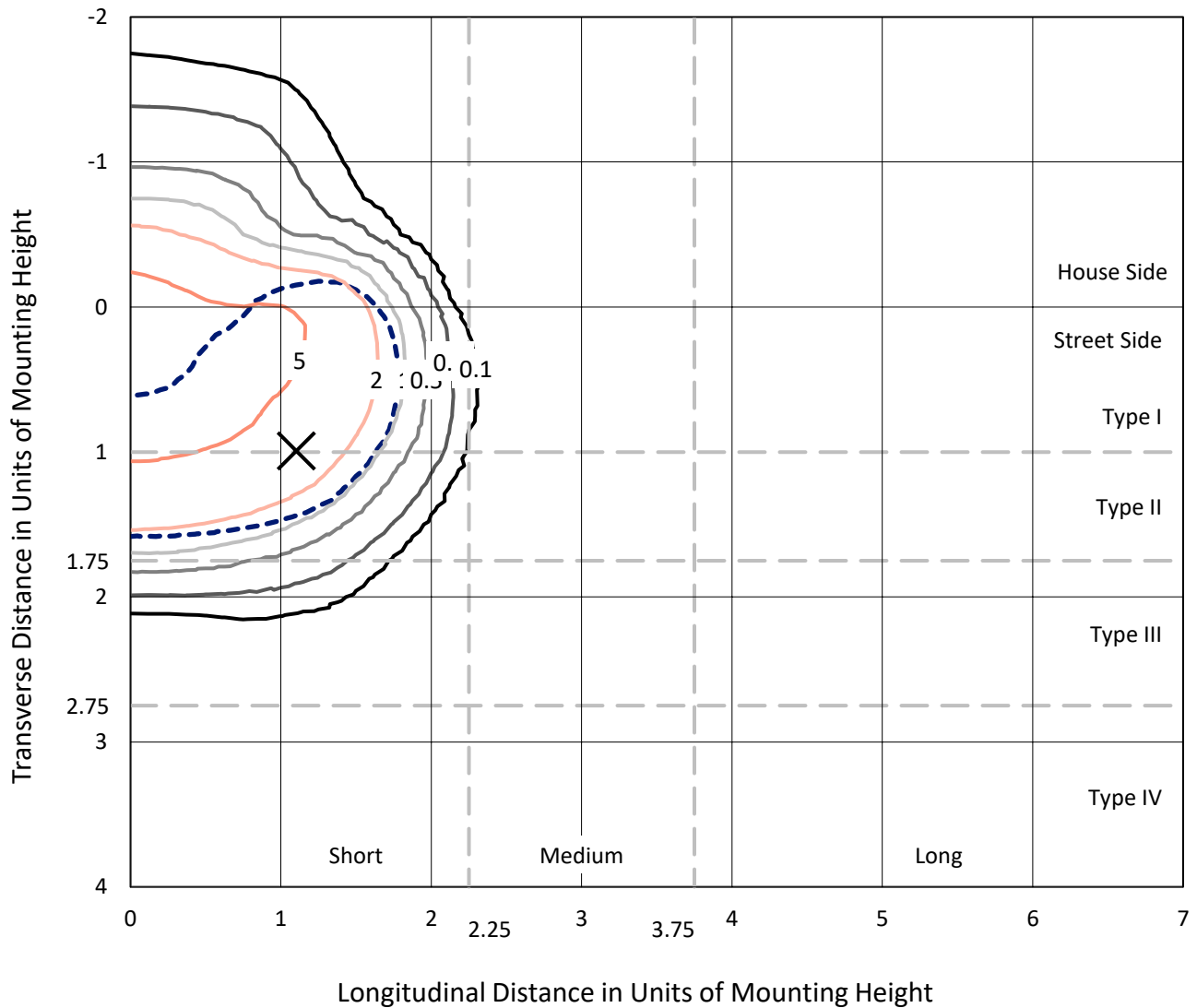
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

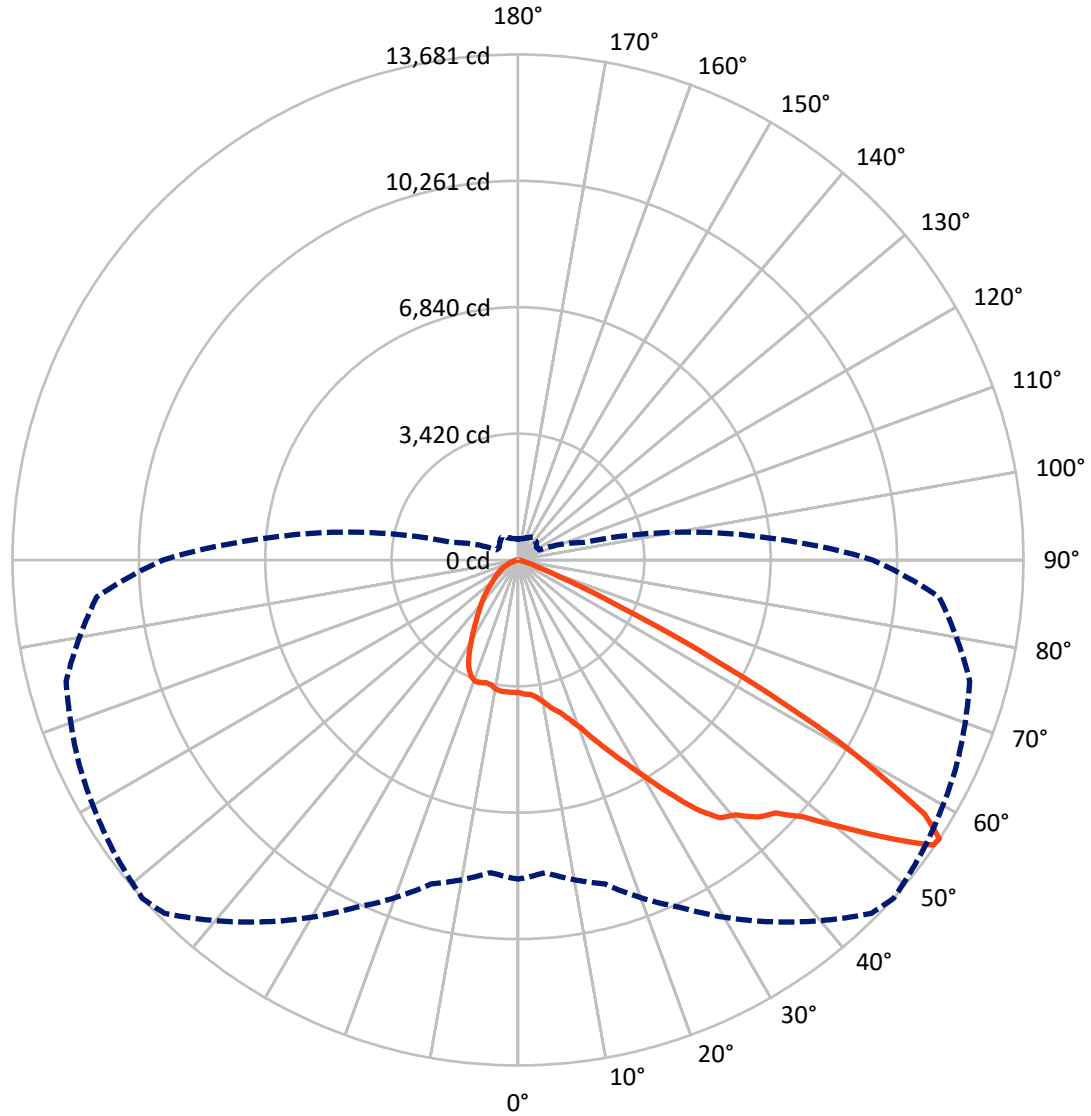
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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
<b>House Side</b>	Lumens	4082.1	0.0	4082.1
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	14687.9	0.0	14687.9
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	18770.0	0.0	18770.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	349.2	1.9
10°-20°	1116.1	5.9
20°-30°	2024.3	10.8
30°-40°	3179.8	16.9
40°-50°	4638.8	24.7
50°-60°	5588.8	29.8
60°-70°	1636.4	8.7
70°-80°	207.6	1.1
80°-90°	29.1	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°	18770.0	100.0
0°-180°	18770.0	100.0

**Coefficient of Utilization**

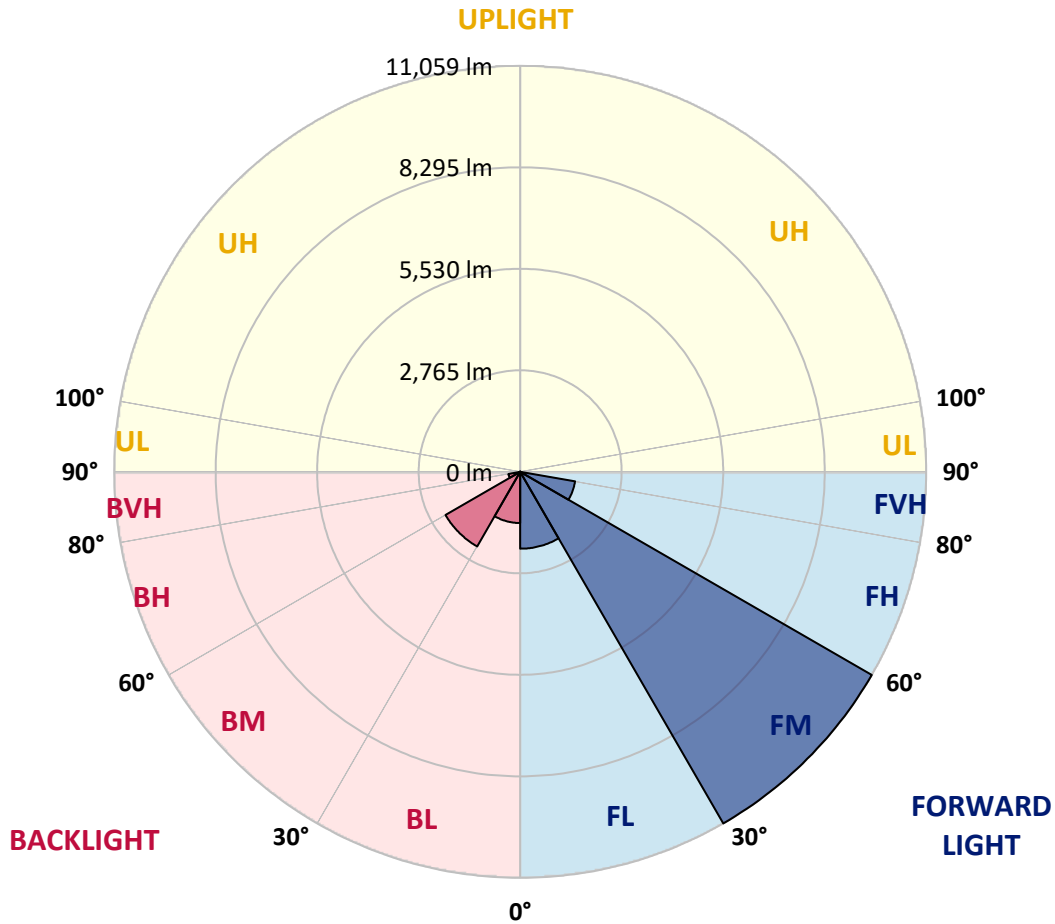


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2094.4	11.2			
FM (30°-60°)	11059.3	58.9			
FH (60°-80°)	1519.6	8.1			G1/1800
FVH (80°-90°)	14.6	0.1			G1/100
BL (0°-30°)	1395.3	7.4	B3/2500		
BM (30°-60°)	2348.0	12.5	B2/2500		
BH (60°-80°)	324.4	1.7	B1/500		G1/500
BVH (80°-90°)	14.5	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-G1**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	48°	55°	65°	75°	85°
0°	3585.1	3585.1	3585.1	3585.1	3585.1	3585.1	3585.1	3585.1	3585.1	3585.1	3585.1
2.5°	3650.0	3632.9	3632.9	3605.6	3636.3	3622.7	3632.9	3598.7	3632.9	3581.7	3622.7
5°	3667.1	3670.5	3656.8	3673.9	3673.9	3694.4	3660.3	3691.0	3708.1	3670.5	3653.4
7.5°	3756.0	3762.8	3759.4	3745.7	3773.0	3769.6	3766.2	3742.3	3749.1	3735.5	3714.9
10°	3930.3	3926.8	3943.9	3909.8	3889.2	3913.2	3920.0	3882.4	3855.1	3844.8	3779.9
12.5°	4183.2	4142.1	4118.2	4084.0	4094.3	4060.1	4121.6	4056.7	4043.0	3981.5	3916.6
15°	4388.2	4381.4	4384.8	4330.1	4268.6	4282.3	4282.3	4248.1	4227.6	4152.4	4060.1
17.5°	4808.6	4665.0	4695.8	4627.5	4576.2	4572.8	4542.0	4548.8	4494.2	4337.0	4196.8
20°	5136.7	5075.2	5027.3	4911.1	4832.5	4856.4	4842.8	4808.6	4791.5	4586.4	4388.2
22.5°	5430.6	5451.1	5372.5	5341.7	5232.4	5242.6	5270.0	5239.2	5109.3	4897.4	4603.5
25°	5844.1	5820.2	5714.3	5676.7	5574.1	5611.7	5717.7	5693.7	5611.7	5229.0	4771.0
27.5°	6332.8	6250.8	6271.3	6100.4	6001.3	6107.3	6233.7	6353.3	6120.9	5618.6	4969.2
30°	6678.0	6592.6	6585.7	6578.9	6555.0	6678.0	6825.0	6934.3	6746.4	6008.2	5297.3
32.5°	6848.9	6869.4	6927.5	6907.0	7115.5	7368.4	7522.2	7679.4	7443.6	6643.8	5731.3
35°	7303.4	7173.6	7303.4	7317.1	7532.4	8069.0	8263.8	8639.7	8581.6	7542.7	6261.1
37.5°	7570.0	7559.8	7576.9	7706.7	7915.2	8578.2	8855.0	9145.5	9036.2	8082.7	6920.7
40°	8010.9	8038.2	8034.8	8133.9	8362.9	8961.0	9073.8	9309.6	9319.8	8831.1	7891.3
42.5°	8718.3	8609.0	8537.2	8639.7	8961.0	9292.5	9518.1	9470.2	9808.6	9740.2	9138.7
45°	9354.0	9418.9	9313.0	9483.9	9600.1	9777.8	9771.0	9873.5	10304.1	10628.8	10078.5
47.5°	9948.7	9989.7	10041.0	10157.2	10410.1	10437.4	10379.3	10334.9	10929.5	11264.5	10806.5
50°	10304.1	10341.7	10580.9	10789.4	11261.0	11322.6	11356.7	11244.0	11647.2	11684.8	11493.4
52.5°	10208.4	10249.4	10584.4	11271.3	12023.2	12587.1	12484.5	12293.2	12269.2	12416.2	12129.1
55°	9360.8	9323.3	9784.6	10854.3	12262.4	13615.8	13629.4	13427.8	13041.6	12942.5	12033.4
56°	8639.7	8492.8	9080.6	10372.5	11954.8	13526.9	13680.7	13465.4	13103.1	12658.8	11442.2
57.5°	7077.9	7218.0	7802.4	8872.1	10891.9	12887.8	12976.7	12925.4	12652.0	11907.0	10068.3
60°	3902.9	4149.0	4665.0	5974.0	7754.6	9890.6	9962.3	10379.3	10430.6	9118.2	6927.5
62.5°	1657.5	1630.2	2166.8	3130.5	4415.6	5970.6	6103.9	6531.1	6609.7	5256.3	3475.7
65°	673.3	710.9	980.9	1575.5	2334.2	2720.4	2908.4	3048.5	3308.3	2170.2	1281.6
67.5°	444.3	440.9	577.6	898.8	1257.7	1213.3	1213.3	1281.6	1185.9	885.2	553.7
70°	317.8	328.1	413.5	622.0	782.6	581.0	557.1	533.1	604.9	584.4	447.7
72.5°	208.5	222.1	276.8	372.5	406.7	317.8	317.8	382.8	499.0	471.6	365.7
75°	136.7	140.1	170.9	215.3	201.6	164.0	181.1	256.3	362.3	348.6	259.7
77.5°	92.3	95.7	116.2	140.1	112.8	92.3	99.1	129.9	177.7	177.7	136.7
80°	34.2	37.6	47.8	44.4	51.3	64.9	71.8	88.9	105.9	105.9	92.3
82.5°	0.0	3.4	10.3	23.9	37.6	51.3	58.1	68.4	78.6	88.9	85.4
85°	0.0	3.4	10.3	17.1	27.3	30.8	34.2	23.9	20.5	20.5	17.1
87.5°	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	6.8	3.4	3.4
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°	3585.1	3585.1	3585.1	3585.1	3585.1	3585.1	3585.1	3585.1	3585.1	3585.1	3585.1
2.5°	3585.1	3581.7	3581.7	3571.4	3591.9	3581.7	3588.5	3585.1	3540.6	3574.8	3550.9
5°	3622.7	3646.6	3609.0	3602.2	3574.8	3585.1	3585.1	3550.9	3581.7	3578.2	3571.4
7.5°	3718.4	3677.4	3636.3	3595.3	3588.5	3578.2	3540.6	3527.0	3550.9	3523.6	3564.6
10°	3759.4	3766.2	3704.7	3650.0	3598.7	3527.0	3475.7	3445.0	3407.4	3448.4	3472.3
12.5°	3947.3	3879.0	3773.0	3687.6	3513.3	3441.5	3390.3	3376.6	3441.5	3455.2	3431.3
15°	4012.3	4002.0	3865.3	3673.9	3492.8	3407.4	3417.6	3390.3	3397.1	3362.9	3369.8
17.5°	4145.6	4029.4	3868.7	3629.5	3489.4	3468.9	3407.4	3298.0	3236.5	3209.1	3233.1
20°	4292.5	4179.7	3947.3	3646.6	3520.1	3465.5	3263.8	3130.5	3004.1	2935.7	2939.1
22.5°	4422.4	4282.3	3913.2	3653.4	3547.5	3321.9	3079.3	2816.1	2658.9	2553.0	2556.4
25°	4579.6	4381.4	3926.8	3667.1	3475.7	3092.9	2744.3	2488.0	2300.1	2228.3	2252.2
27.5°	4668.5	4442.9	4002.0	3697.9	3287.7	2768.3	2392.3	2153.1	2043.7	2009.6	2006.1
30°	4935.0	4579.6	4094.3	3636.3	2973.3	2419.7	2071.1	1924.1	1818.2	1787.4	1794.2
32.5°	5331.5	4829.1	4213.9	3475.7	2652.1	2108.7	1862.6	1753.2	1654.1	1596.0	1589.2
35°	5663.0	5256.3	4340.4	3226.2	2279.5	1869.4	1715.6	1578.9	1428.6	1363.6	1346.5
37.5°	6295.2	5738.2	4313.0	2850.3	1924.1	1691.7	1558.4	1391.0	1261.1	1172.2	1162.0
40°	7136.0	6302.1	4179.7	2392.3	1661.0	1534.5	1391.0	1230.3	1069.7	994.5	987.7
42.5°	8157.8	6992.4	3937.1	1927.5	1397.8	1377.3	1247.4	1062.9	919.3	864.7	868.1
45°	8988.3	7583.7	3691.0	1548.2	1203.0	1223.5	1110.7	936.4	837.3	792.9	792.9
47.5°	9726.5	7983.5	3424.5	1278.2	1021.9	1069.7	970.6	868.1	782.6	748.5	741.6
50°	10437.4	8390.2	3157.9	1035.5	871.5	919.3	909.1	827.1	758.7	717.7	721.1
52.5°	10881.7	8455.2	2819.5	847.6	762.1	816.8	851.0	775.8	700.6	676.7	669.9
55°	10338.3	7617.9	2187.3	697.2	645.9	717.7	782.6	697.2	639.1	598.1	594.7
56°	9606.9	6811.3	1828.4	642.5	611.8	690.4	758.7	666.4	601.5	577.6	560.5
57.5°	8133.9	5574.1	1350.0	570.7	567.3	642.5	721.1	635.7	560.5	540.0	540.0
60°	5071.7	3137.4	816.8	478.5	492.1	570.7	649.3	567.3	499.0	499.0	509.2
62.5°	2310.3	1305.5	495.6	406.7	423.8	492.1	577.6	512.6	475.0	512.6	519.5
65°	786.1	563.9	358.8	324.7	334.9	406.7	495.6	519.5	516.1	540.0	553.7
67.5°	440.9	362.3	300.8	270.0	263.2	300.8	406.7	519.5	499.0	488.7	495.6
70°	372.5	307.6	266.6	239.2	229.0	242.7	314.4	393.0	352.0	341.8	334.9
72.5°	300.8	256.3	232.4	215.3	184.6	157.2	143.5	150.4	167.5	177.7	194.8
75°	211.9	194.8	194.8	174.3	133.3	99.1	78.6	64.9	44.4	30.8	34.2
77.5°	119.6	119.6	123.0	105.9	85.4	64.9	47.8	34.2	17.1	6.8	3.4
80°	82.0	88.9	95.7	85.4	71.8	58.1	41.0	23.9	10.3	0.0	0.0
82.5°	82.0	92.3	99.1	85.4	71.8	54.7	41.0	23.9	10.3	3.4	0.0
85°	17.1	20.5	23.9	27.3	41.0	41.0	30.8	20.5	10.3	3.4	0.0
87.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	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)