

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: P531256

Luminaire Tested: **GALN-SA6C-735-U-T2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531256
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-SA6C-735-U-T2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 1050mA 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: 32575 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

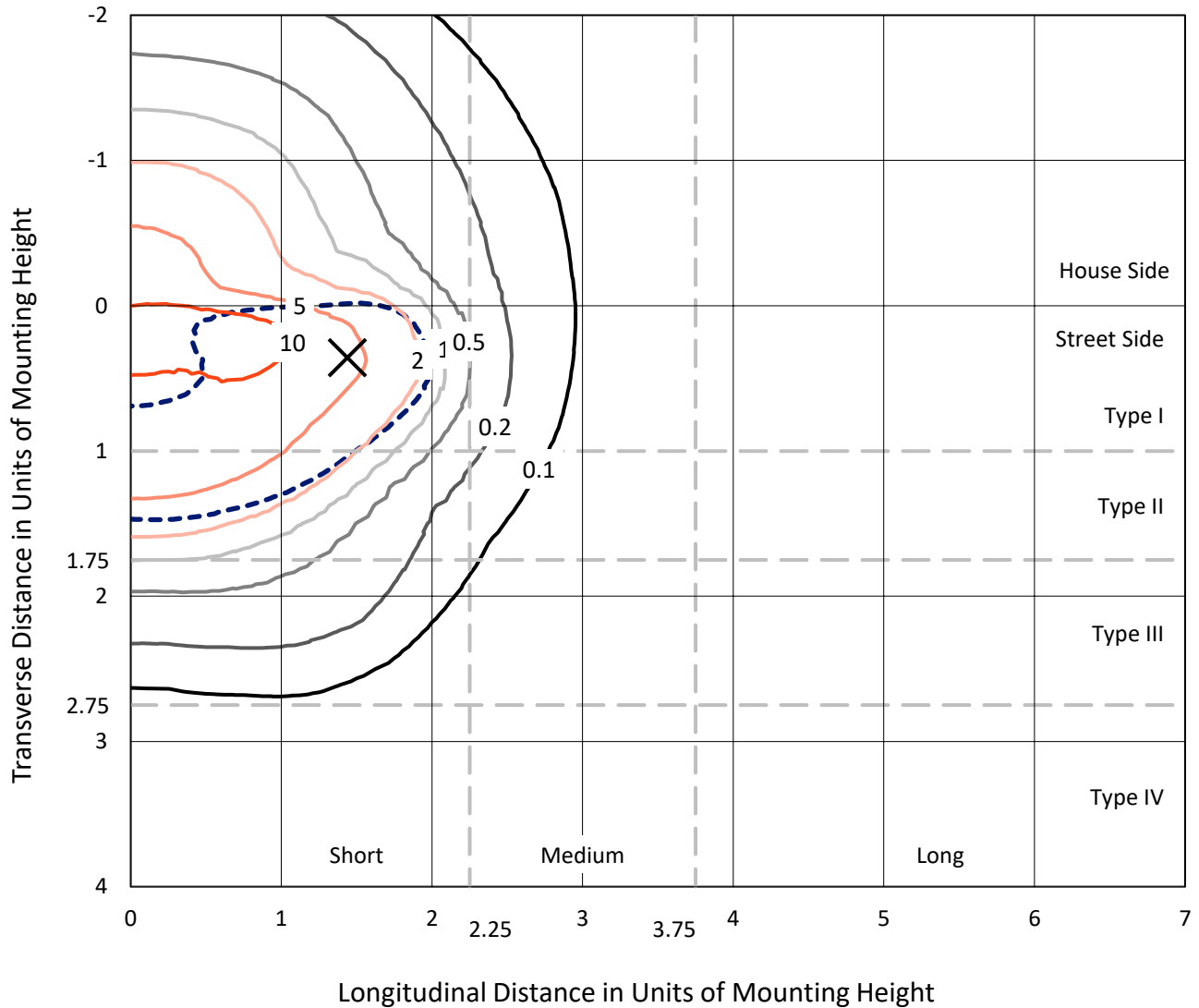
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

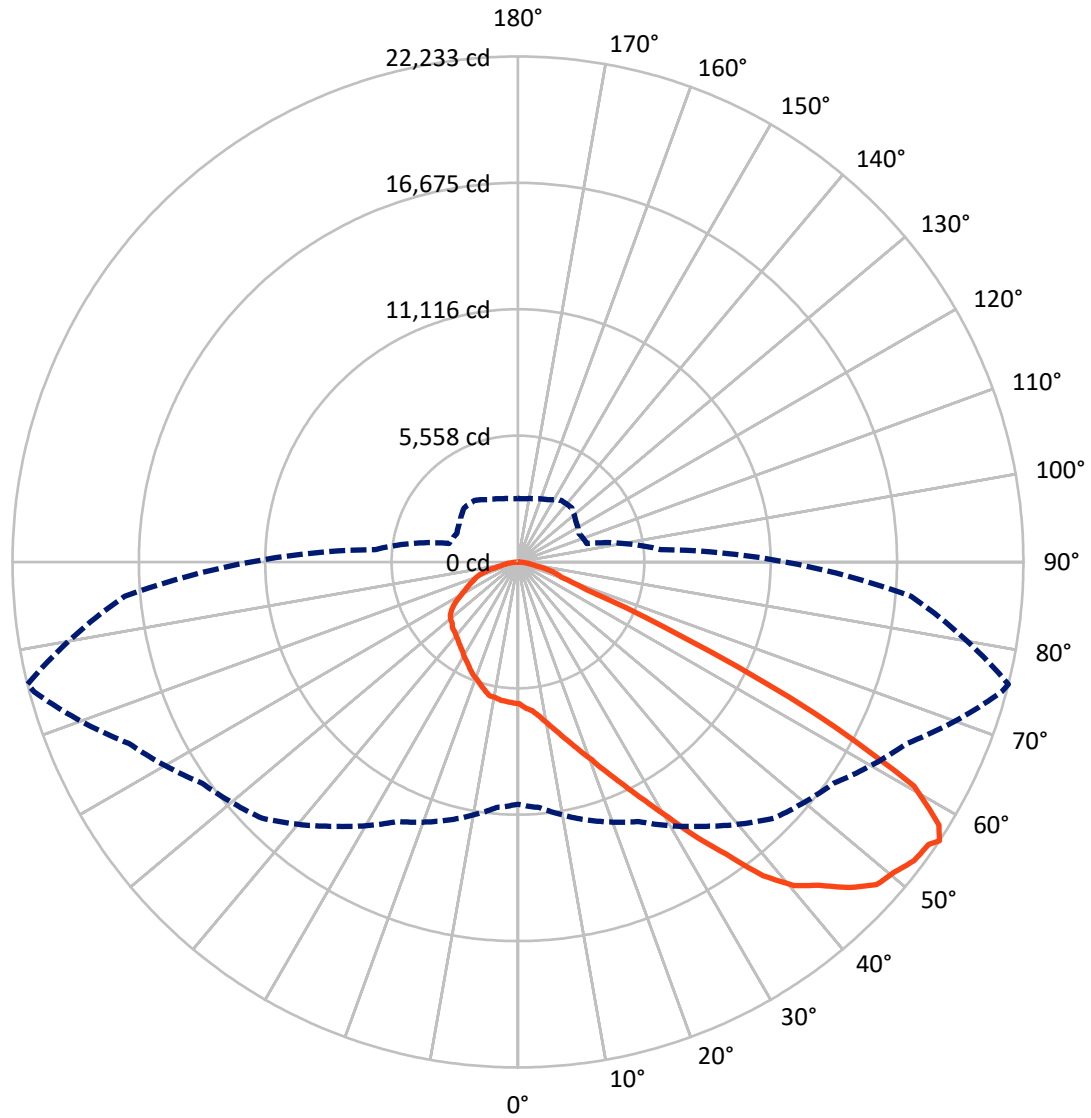
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.9 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
House Side	Lumens	8758.4	0.0	8758.4
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	23816.6	0.0	23816.6
	% Fixture	73.1	0.0	73.1
Total	Lumens	32575.0	0.0	32575.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	618.1	1.9
10°-20°	1941.7	6.0
20°-30°	3395.7	10.4
30°-40°	5316.7	16.3
40°-50°	7734.3	23.7
50°-60°	8500.5	26.1
60°-70°	3794.3	11.6
70°-80°	1095.9	3.4
80°-90°	177.8	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°	32575.0	100.0
0°-180°	32575.0	100.0

Coefficient of Utilization



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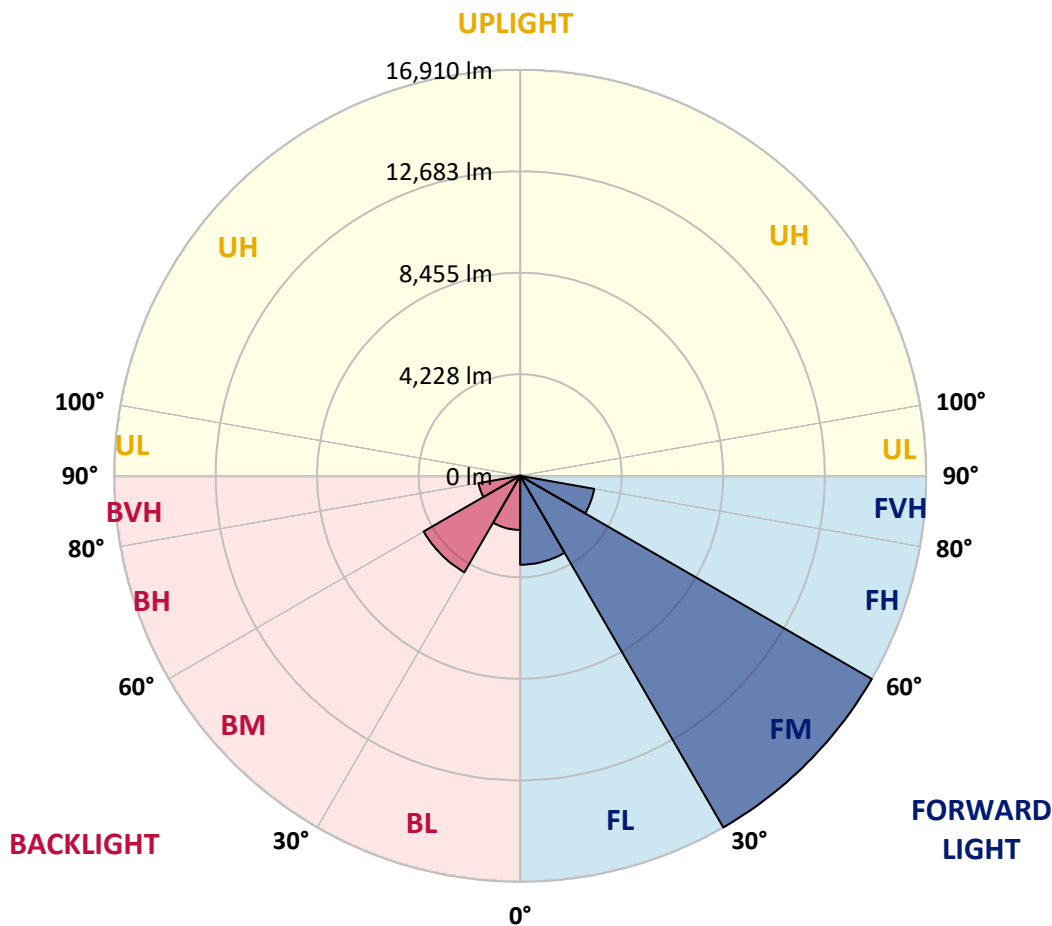
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3701.8	11.4			
FM (30°-60°)	16910.3	51.9			
FH (60°-80°)	3128.0	9.6			G2/5000
FVH (80°-90°)	76.5	0.2			G1/100
BL (0°-30°)	2253.7	6.9	B3/2500		
BM (30°-60°)	4641.3	14.2	B3/5000		
BH (60°-80°)	1762.2	5.4	B3/2500		G3/2500
BVH (80°-90°)	101.2	0.3			G2/225
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°	6232.8	6232.8	6232.8	6232.8	6232.8	6232.8	6232.8	6232.8	6232.8	6232.8	6232.8
2.5°	6866.2	6756.4	6748.0	6718.4	6735.3	6659.3	6579.1	6473.5	6363.7	6431.3	6270.8
5°	7347.6	7199.8	7258.9	7157.6	7170.3	7068.9	6904.2	6781.8	6646.6	6566.4	6452.4
7.5°	7516.5	7529.2	7571.4	7554.5	7470.1	7470.1	7360.3	7144.9	6908.5	6862.0	6672.0
10°	7744.6	7748.8	7702.3	7715.0	7833.2	7778.3	7681.2	7588.3	7284.3	7229.4	6891.6
12.5°	7824.8	7748.8	7824.8	7892.4	8031.7	8107.7	8086.6	8019.0	7693.9	7655.9	7161.8
15°	7837.5	7791.0	7854.4	8006.4	8128.8	8449.8	8610.2	8563.8	8133.1	8137.3	7465.9
17.5°	7778.3	7841.7	7867.0	7997.9	8280.9	8580.7	9045.2	9108.5	8753.8	8698.9	7850.1
20°	7858.6	7812.1	7845.9	7964.1	8340.0	8808.7	9416.8	9834.8	9336.5	9298.5	8247.1
22.5°	8166.8	8103.5	8095.0	8171.1	8441.3	8926.9	9809.5	10561.1	10046.0	10067.1	8741.1
25°	8407.5	8441.3	8411.8	8407.5	8576.4	9104.3	10328.9	11426.8	11008.8	10886.3	9323.9
27.5°	8821.4	8901.6	8842.5	8922.7	8884.7	9370.3	10700.5	12385.4	12047.6	11882.9	9851.7
30°	9395.7	9437.9	9383.0	9383.0	9269.0	9741.9	11038.3	13386.2	13246.8	13023.0	10472.5
32.5°	10151.5	10214.9	10105.1	10041.7	10024.9	10295.1	11646.4	14374.3	14610.8	14420.8	11295.9
35°	11152.3	11114.3	10983.4	10924.3	10696.3	11143.9	12550.1	15510.2	16131.0	15793.2	12292.5
37.5°	12034.9	11975.8	11967.3	11638.0	11692.8	12060.2	13318.6	16371.7	17604.7	17507.6	13344.0
40°	12858.3	12913.2	13001.9	12816.1	12731.7	13137.0	14213.8	17030.4	18749.1	18711.1	14154.7
42.5°	13740.9	13690.2	13846.5	13690.2	13563.5	14137.8	15185.1	17486.5	19754.1	19441.6	15003.5
45°	15020.4	14859.9	14914.8	14927.5	14834.6	15045.7	15586.2	17815.9	20459.3	20425.5	15624.2
47.5°	16088.8	16093.0	16000.1	15928.3	15645.4	15856.5	16033.9	18022.8	21270.1	21215.2	15864.9
50°	16485.7	16430.8	16701.1	16857.3	16874.2	16443.5	16384.3	18136.8	21696.6	21455.9	16105.6
52.5°	15058.4	15109.1	15535.6	16464.6	17000.9	17047.3	16794.0	18373.3	21869.7	21819.1	16299.9
55°	12119.3	12364.3	13065.2	14137.8	15408.9	16806.6	17237.3	18618.2	21962.6	21920.4	17161.3
56°	10654.0	10844.1	11756.2	12596.5	14192.7	15932.5	16958.6	18880.0	22034.4	22232.9	17364.0
57.5°	8576.4	8796.0	9450.6	10404.9	12288.3	14268.7	16190.1	18559.1	21755.7	21831.7	17511.8
60°	5362.9	5384.0	6169.5	6798.7	8124.6	10058.6	12355.8	16147.9	20134.2	20024.4	15729.8
62.5°	3517.6	3521.8	4235.4	4750.6	5354.5	5797.9	7271.6	10708.9	14855.7	14661.5	11198.8
65°	2470.3	2525.2	3078.4	3766.7	4011.6	3779.4	3732.9	5645.8	8297.7	8019.0	6017.4
67.5°	1807.3	1811.6	2301.4	3040.4	3395.1	2875.7	2335.2	2757.5	3285.3	3276.9	2787.0
70°	1195.0	1245.7	1621.5	2271.9	2677.2	2309.9	1908.7	1972.0	2090.3	2090.3	2073.4
72.5°	696.8	743.2	992.4	1440.0	1503.3	1444.2	1511.8	1689.1	1765.1	1760.9	1739.8
75°	396.9	418.1	473.0	599.6	747.4	882.6	1110.6	1279.5	1355.5	1402.0	1347.1
77.5°	232.3	244.9	278.7	342.0	388.5	477.2	603.9	722.1	823.4	810.8	819.2
80°	122.5	122.5	156.2	202.7	270.3	337.8	401.2	468.7	523.6	536.3	549.0
82.5°	71.8	76.0	101.3	147.8	194.2	240.7	308.3	354.7	405.4	409.6	418.1
85°	38.0	42.2	63.3	97.1	130.9	147.8	152.0	143.6	156.2	147.8	168.9
87.5°	12.7	12.7	21.1	16.9	16.9	21.1	25.3	25.3	33.8	33.8	33.8
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°	6232.8	6232.8	6232.8	6232.8	6232.8	6232.8	6232.8	6232.8	6232.8	6232.8	6232.8
2.5°	6266.6	6266.6	6194.8	6059.7	6038.6	5983.7	5933.0	5928.8	5890.8	5857.0	5840.1
5°	6384.8	6253.9	6148.4	6025.9	5882.3	5814.8	5738.7	5654.3	5620.5	5654.3	5650.1
7.5°	6520.0	6410.2	6093.5	5865.4	5700.7	5633.2	5548.7	5460.0	5468.5	5468.5	5409.4
10°	6650.9	6503.1	5996.3	5705.0	5464.3	5413.6	5367.1	5400.9	5443.2	5451.6	5413.6
12.5°	6870.4	6536.8	5949.9	5544.5	5392.5	5282.7	5312.2	5405.1	5493.8	5468.5	5498.0
15°	7035.1	6566.4	5738.7	5379.8	5189.8	5240.5	5346.0	5409.4	5557.2	5540.3	5569.8
17.5°	7195.6	6583.3	5531.8	5160.2	5080.0	5219.3	5299.6	5481.2	5527.6	5629.0	5667.0
20°	7525.0	6617.1	5320.7	5025.1	4999.8	5160.2	5299.6	5384.0	5485.4	5574.1	5574.1
22.5°	7693.9	6600.2	5181.3	4847.7	4928.0	5029.3	5156.0	5299.6	5299.6	5384.0	5388.3
25°	7905.0	6532.6	4961.8	4763.3	4822.4	4919.5	5063.1	5012.4	5067.3	5067.3	5134.9
27.5°	8145.7	6389.1	4771.7	4611.3	4729.5	4835.1	4856.2	4822.4	4759.1	4750.6	4725.3
30°	8340.0	6211.7	4632.4	4560.6	4657.7	4716.8	4649.3	4577.5	4467.7	4459.2	4400.1
32.5°	8606.0	5992.1	4459.2	4433.9	4543.7	4547.9	4526.8	4417.0	4256.6	4189.0	4121.4
35°	9053.6	5865.4	4328.3	4366.3	4400.1	4387.5	4349.5	4231.2	4070.7	4041.2	4015.9
37.5°	9383.0	5772.5	4193.2	4239.7	4269.2	4286.1	4172.1	4041.2	4045.4	3986.3	3969.4
40°	9754.6	5713.4	4083.4	4104.5	4108.8	4163.7	4024.3	3961.0	3990.5	3952.5	3977.8
42.5°	10231.8	5730.3	3969.4	3952.5	4032.7	4011.6	3944.1	3859.6	3876.5	3762.5	3779.4
45°	10485.1	5844.3	3901.8	3825.8	3914.5	3910.3	3821.6	3741.4	3640.0	3420.4	3428.9
47.5°	10654.0	5873.9	3741.4	3690.7	3783.6	3838.5	3737.2	3551.3	3407.8	3251.5	3213.5
50°	10827.2	5928.8	3665.4	3559.8	3597.8	3728.7	3602.0	3424.7	3285.3	3146.0	3167.1
52.5°	10979.2	6034.3	3517.6	3361.3	3428.9	3572.5	3504.9	3289.5	3137.5	3023.5	2989.7
55°	11654.8	6270.8	3268.4	3065.7	3226.2	3407.8	3369.8	3108.0	2943.3	2884.2	2875.7
56°	11760.4	6279.3	3137.5	2964.4	3112.2	3352.9	3306.4	3027.7	2879.9	2787.0	2791.3
57.5°	11777.3	6177.9	2951.7	2871.5	2998.2	3272.6	3213.5	2964.4	2761.7	2677.2	2651.9
60°	10362.7	4822.4	2719.5	2668.8	2816.6	3027.7	3006.6	2791.3	2563.2	2466.1	2512.5
62.5°	7064.7	3534.5	2537.9	2529.4	2605.4	2812.4	2757.5	2563.2	2373.2	2309.9	2280.3
65°	4113.0	2681.5	2360.5	2326.7	2390.1	2499.9	2537.9	2335.2	2136.7	2094.5	2081.8
67.5°	2428.1	2217.0	2132.5	2077.6	2056.5	2124.1	2153.6	2035.4	1836.9	1777.8	1828.5
70°	2031.2	1972.0	1976.3	1883.4	1832.7	1786.2	1760.9	1655.3	1490.6	1414.6	1393.5
72.5°	1752.4	1727.1	1710.2	1625.8	1579.3	1473.7	1364.0	1258.4	1135.9	1072.6	1076.8
75°	1338.6	1330.2	1338.6	1296.4	1216.2	1131.7	1030.4	895.2	802.3	722.1	739.0
77.5°	798.1	823.4	836.1	819.2	785.4	709.4	646.1	557.4	468.7	405.4	396.9
80°	549.0	570.1	591.2	570.1	536.3	481.4	413.8	346.3	282.9	249.1	240.7
82.5°	418.1	439.2	451.8	430.7	388.5	329.4	282.9	236.5	185.8	152.0	143.6
85°	152.0	173.1	168.9	202.7	219.6	211.1	181.6	139.4	105.6	76.0	71.8
87.5°	42.2	38.0	42.2	42.2	42.2	38.0	33.8	33.8	33.8	21.1	16.9
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)