

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: P531026

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

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531026  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-16)  
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-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26799 lumens  
Efficiency: N/A  
Efficacy: 110.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

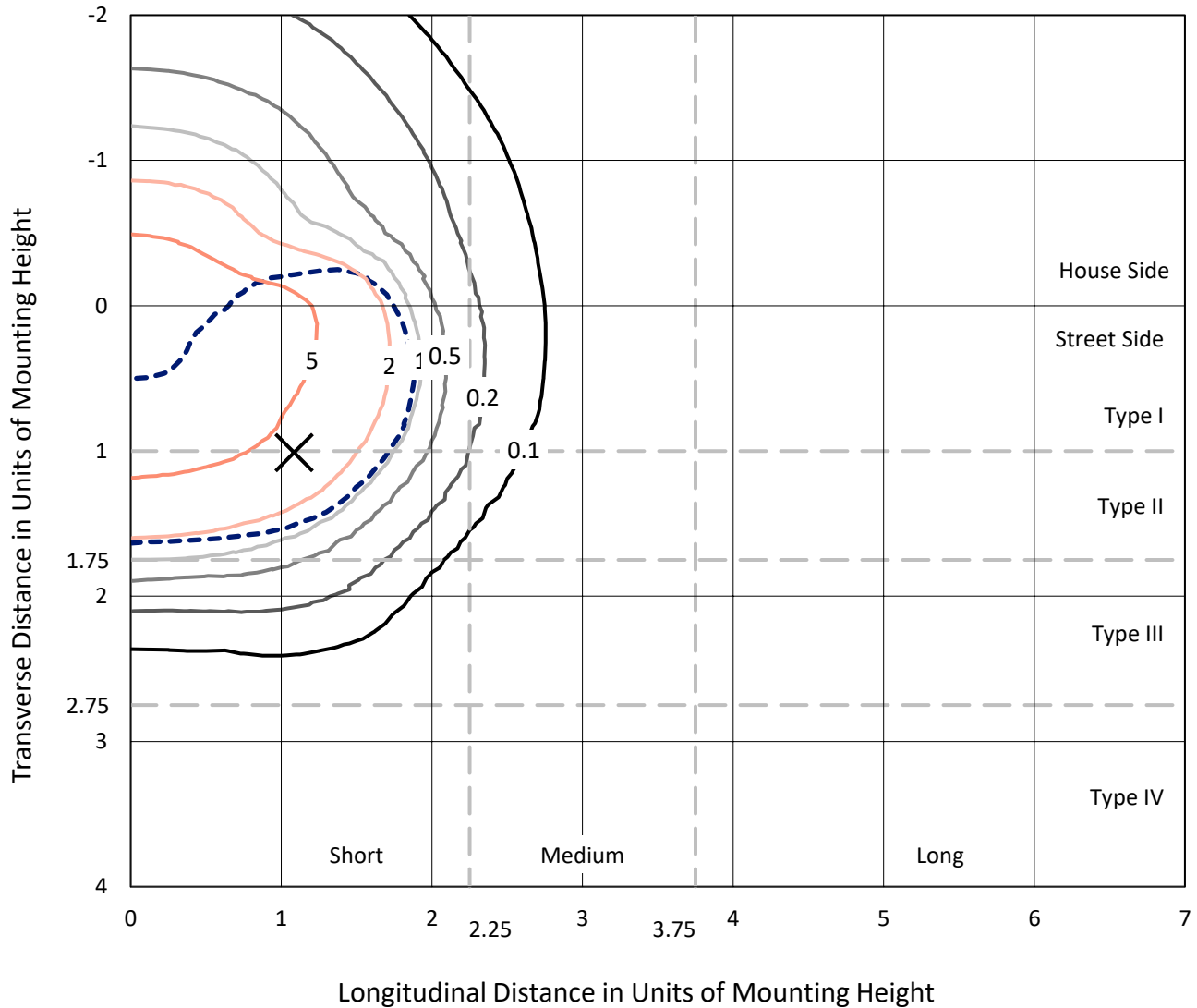
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

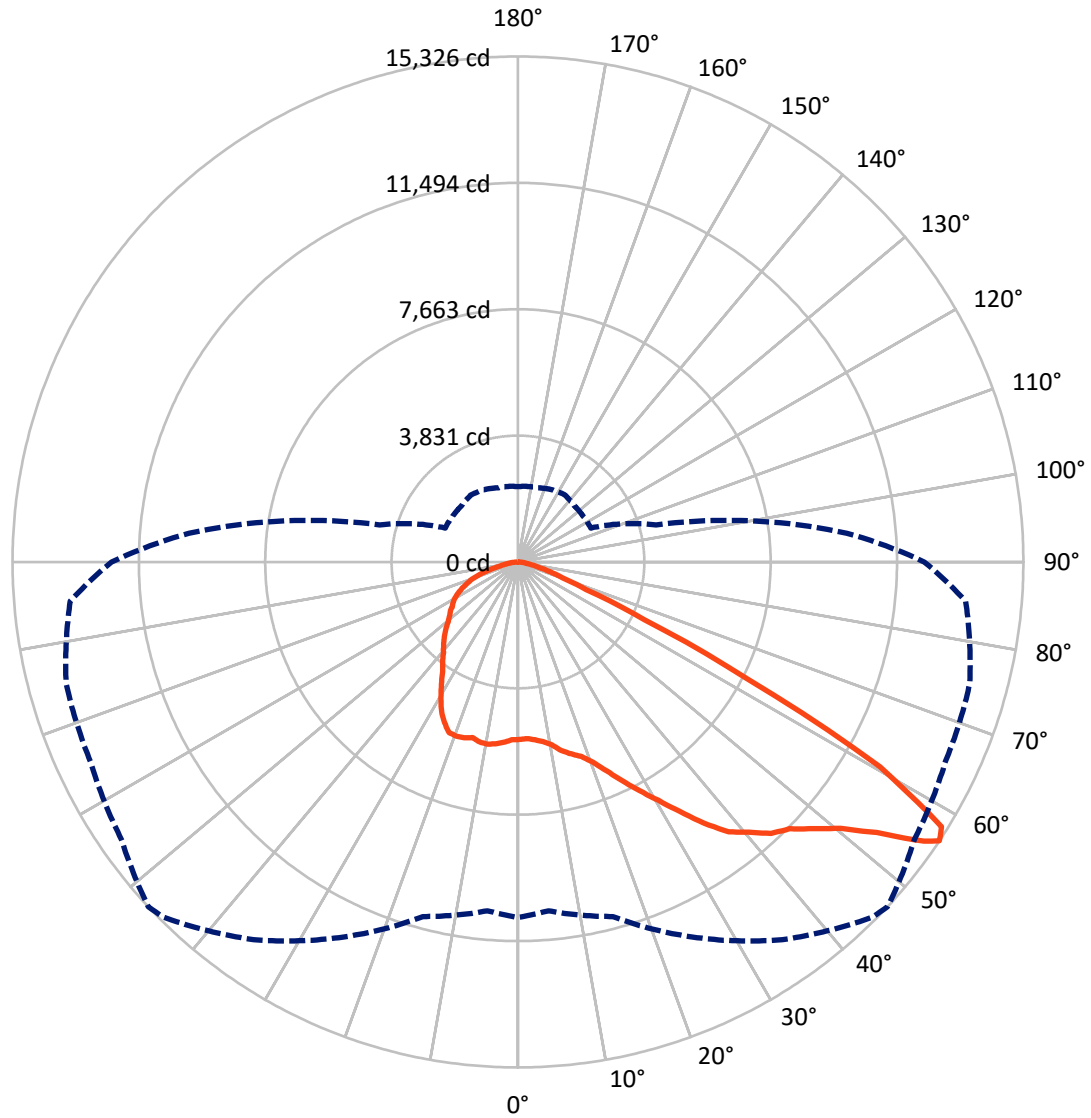
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8492.3	0.0	8492.3
	% Fixture	31.7	0.0	31.7
<b>Street Side</b>	Lumens	18306.7	0.0	18306.7
	% Fixture	68.3	0.0	68.3
<b>Total</b>	Lumens	26799.0	0.0	26799.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	524.5	2.0
10°-20°	1654.6	6.2
20°-30°	2924.9	10.9
30°-40°	4393.1	16.4
40°-50°	6029.1	22.5
50°-60°	7182.8	26.8
60°-70°	3073.8	11.5
70°-80°	869.9	3.2
80°-90°	146.4	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°	26799.0	100.0
0°-180°	26799.0	100.0

**Coefficient of Utilization**



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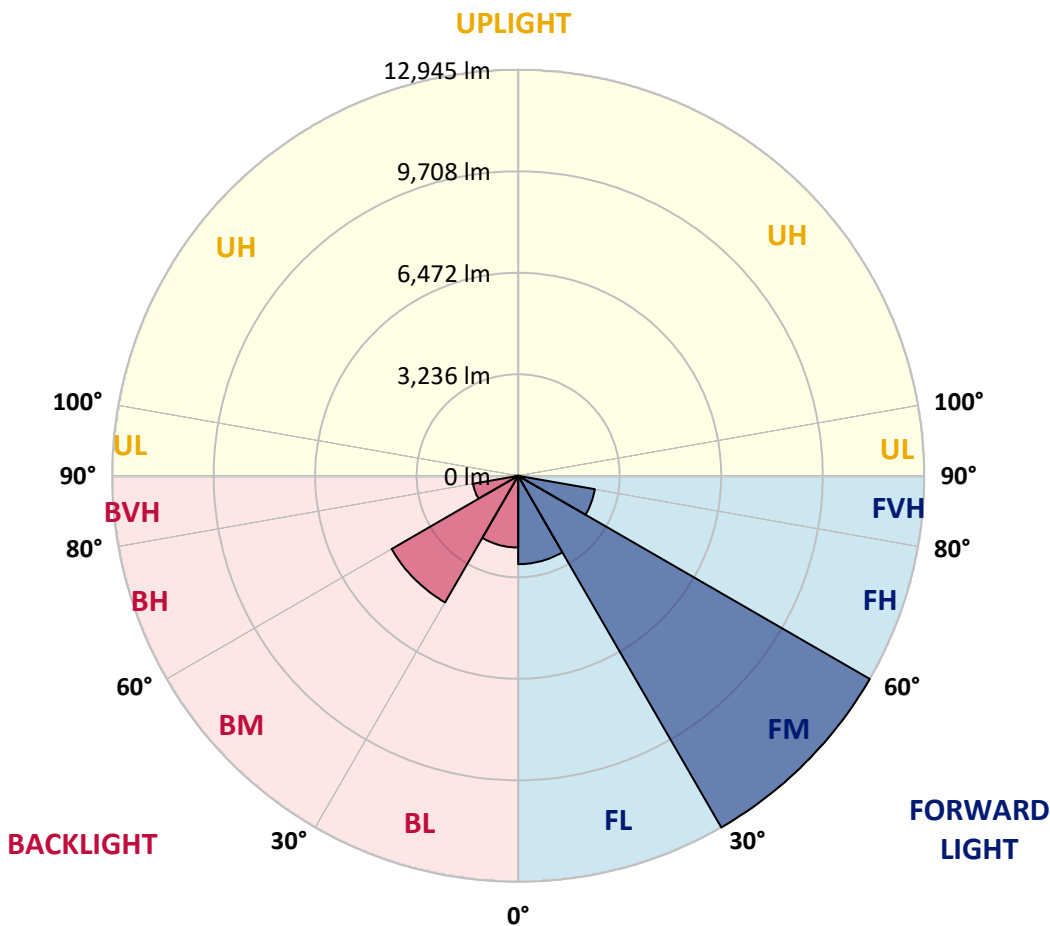
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2817.5	10.5			
FM (30°-60°)	12944.5	48.3			
FH (60°-80°)	2482.6	9.3			G2/5000
FVH (80°-90°)	62.1	0.2			G1/100
BL (0°-30°)	2286.5	8.5	B3/2500		
BM (30°-60°)	4660.4	17.4	B3/5000		
BH (60°-80°)	1461.1	5.5	B3/2500		G3/2500
BVH (80°-90°)	84.3	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°	47°	55°	65°	75°	85°
0°	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1
2.5°	5362.6	5352.3	5345.5	5400.2	5379.7	5383.1	5362.6	5383.1	5396.8	5366.0	5410.4
5°	5352.3	5383.1	5355.8	5372.9	5417.3	5403.6	5417.3	5458.3	5448.0	5437.8	5424.1
7.5°	5448.0	5451.5	5472.0	5478.8	5492.5	5478.8	5499.3	5536.9	5526.7	5468.6	5475.4
10°	5584.8	5591.6	5595.0	5632.6	5656.5	5660.0	5636.0	5601.8	5598.4	5677.0	5622.4
12.5°	5742.0	5724.9	5765.9	5779.6	5806.9	5837.7	5868.4	5796.7	5841.1	5844.5	5779.6
15°	5971.0	5988.1	5940.2	5940.2	5950.5	5953.9	6039.3	6005.2	5998.3	5960.7	5988.1
17.5°	6312.8	6196.6	6193.1	6145.3	6138.4	6165.8	6196.6	6223.9	6316.2	6241.0	6094.0
20°	6562.3	6589.6	6490.5	6432.4	6442.6	6504.2	6473.4	6596.4	6661.4	6538.3	6394.8
22.5°	7003.2	6910.9	6934.8	6804.9	6815.2	6880.1	6876.7	7003.2	7040.8	6845.9	6637.5
25°	7300.5	7276.6	7297.1	7194.6	7208.2	7259.5	7341.5	7550.0	7488.5	7273.2	6791.3
27.5°	7734.6	7686.7	7669.6	7632.0	7618.4	7755.1	7850.8	8072.9	8028.5	7714.1	7064.7
30°	8178.9	8148.1	8165.2	8011.4	8066.1	8356.6	8384.0	8688.2	8667.7	8114.0	7368.9
32.5°	8486.5	8503.6	8534.4	8448.9	8691.6	8924.0	9016.3	9361.5	9378.6	8800.9	7956.7
35°	8982.1	8924.0	8941.1	9040.2	9153.0	9576.8	9727.2	9956.2	10099.7	9522.1	8520.7
37.5°	9293.1	9354.6	9282.9	9440.1	9734.0	10243.3	10380.0	10615.8	10766.2	10233.0	9289.7
40°	9778.5	9679.3	9730.6	9843.4	10144.2	10807.2	10769.6	11012.3	11060.1	10838.0	10007.4
42.5°	10301.4	10253.5	10181.8	10438.1	10691.0	11172.9	11248.1	11135.3	11378.0	11429.3	11032.8
45°	10926.8	10985.0	10995.2	11002.0	11224.2	11644.6	11542.1	11442.9	11723.2	12095.8	11668.5
47.5°	11507.9	11323.3	11456.6	11641.2	11955.6	11959.0	12078.7	11842.8	12140.2	12471.7	12242.7
50°	11702.7	11613.8	11791.6	12140.2	12625.5	12676.8	12690.5	12355.5	12509.3	12772.5	12441.0
52.5°	11627.5	11596.7	12051.3	12591.3	13302.3	13562.0	13630.4	13216.8	13302.3	13182.6	12878.4
55°	11268.6	11360.9	11818.9	12919.5	14009.7	14812.9	14942.8	14419.9	13876.4	13968.7	13633.8
56°	10776.5	10615.8	11128.5	12546.9	13979.0	15219.7	15325.6	14672.8	14303.7	14184.1	13626.9
57.5°	9142.7	8934.2	9607.6	11289.1	13203.1	15065.9	15144.5	14778.8	14231.9	13989.2	12632.4
60°	5352.3	5454.9	6309.3	7785.8	10185.2	12352.1	12615.3	12881.9	12516.1	11429.3	9402.5
62.5°	2583.9	2519.0	3130.7	4463.7	6206.8	7885.0	7806.4	8554.9	8965.0	8120.8	5936.8
65°	1353.5	1346.6	1708.9	2436.9	3411.0	4142.4	4214.2	4617.5	5181.5	4183.4	3014.5
67.5°	994.6	1021.9	1203.1	1712.3	2194.3	2238.7	2228.4	2430.1	2484.8	2102.0	1852.5
70°	779.3	792.9	926.2	1302.2	1633.7	1462.8	1432.1	1456.0	1616.6	1685.0	1603.0
72.5°	563.9	577.6	690.4	878.4	1021.9	998.0	1018.5	1151.8	1350.0	1421.8	1336.4
75°	376.0	386.2	447.7	536.6	605.0	652.8	690.4	844.2	1028.8	1069.8	1028.8
77.5°	259.8	270.0	311.0	379.4	386.2	417.0	430.6	502.4	615.2	666.5	639.1
80°	147.0	147.0	167.5	194.8	239.2	280.3	287.1	345.2	396.5	430.6	437.5
82.5°	68.4	71.8	88.9	119.6	157.2	194.8	201.7	239.2	276.8	311.0	321.3
85°	34.2	37.6	51.3	71.8	95.7	116.2	112.8	116.2	123.0	116.2	119.6
87.5°	10.3	10.3	13.7	17.1	13.7	17.1	17.1	20.5	23.9	27.3	30.8
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°	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1
2.5°	5413.9	5424.1	5355.8	5420.7	5396.8	5393.4	5441.2	5434.4	5451.5	5444.6	5403.6
5°	5417.3	5393.4	5465.1	5400.2	5431.0	5495.9	5451.5	5554.0	5502.7	5536.9	5461.7
7.5°	5523.2	5530.1	5516.4	5543.7	5530.1	5560.8	5536.9	5560.8	5519.8	5523.2	5591.6
10°	5615.5	5595.0	5618.9	5584.8	5608.7	5598.4	5543.7	5526.7	5540.3	5523.2	5567.7
12.5°	5786.4	5748.8	5731.7	5690.7	5663.4	5560.8	5475.4	5427.5	5492.5	5502.7	5482.2
15°	5960.7	5964.1	5885.5	5793.2	5622.4	5468.6	5489.1	5506.1	5506.1	5533.5	5482.2
17.5°	6070.1	6070.1	5998.3	5813.8	5639.4	5550.6	5530.1	5475.4	5427.5	5420.7	5417.3
20°	6261.5	6203.4	6039.3	5810.3	5632.6	5591.6	5437.8	5307.9	5208.8	5174.6	5171.2
22.5°	6480.2	6333.3	6104.3	5817.2	5622.4	5564.3	5277.2	5082.3	4904.6	4829.4	4839.7
25°	6681.9	6446.1	6141.9	5786.4	5584.8	5304.5	4983.2	4713.2	4528.6	4467.1	4436.4
27.5°	6822.0	6565.7	6141.9	5813.8	5444.6	5014.0	4685.9	4340.7	4180.0	4139.0	4145.8
30°	7010.0	6716.1	6247.8	5755.6	5164.4	4638.0	4245.0	4019.4	3923.7	3889.5	3913.4
32.5°	7450.9	7109.1	6394.8	5615.5	4832.8	4262.1	3944.2	3817.7	3677.6	3609.2	3585.3
35°	7929.4	7481.7	6538.3	5379.7	4460.3	3920.3	3722.0	3605.8	3438.4	3363.2	3376.8
37.5°	8606.1	7960.2	6548.6	4990.1	4057.0	3728.9	3547.7	3366.6	3229.9	3113.7	3079.5
40°	9518.7	8613.0	6524.7	4579.9	3732.3	3503.3	3370.0	3144.4	2990.6	2908.6	2925.7
42.5°	10321.9	9378.6	6425.5	4115.1	3438.4	3349.5	3199.1	2976.9	2826.6	2741.1	2734.3
45°	10998.6	9942.5	6237.6	3718.6	3192.3	3178.6	3004.3	2833.4	2713.8	2635.2	2669.3
47.5°	11624.1	10397.1	5953.9	3322.1	2966.7	2994.0	2826.6	2720.6	2645.4	2573.6	2570.2
50°	11849.7	10390.2	5704.4	2994.0	2785.5	2771.9	2765.0	2652.2	2573.6	2512.1	2539.5
52.5°	12225.6	10506.5	5434.4	2768.5	2621.5	2624.9	2648.8	2566.8	2477.9	2440.3	2474.5
55°	12765.6	10523.5	4839.7	2505.3	2484.8	2508.7	2508.7	2454.0	2378.8	2348.1	2331.0
56°	12324.7	10014.3	4340.7	2436.9	2416.4	2416.4	2481.4	2419.8	2327.6	2303.6	2283.1
57.5°	11367.8	8773.6	3633.2	2354.9	2324.1	2372.0	2406.2	2341.2	2255.8	2221.6	2242.1
60°	7840.5	5936.8	2730.9	2177.2	2177.2	2255.8	2283.1	2187.4	2149.8	2146.4	2119.1
62.5°	4576.5	3458.9	2136.2	2016.5	2023.4	2088.3	2108.8	2054.1	2006.3	2064.4	2091.7
65°	2426.7	2064.4	1832.0	1845.6	1849.1	1900.3	1989.2	1985.8	1982.3	1999.4	2002.9
67.5°	1756.8	1715.8	1664.5	1650.8	1657.7	1695.3	1784.1	1852.5	1849.1	1808.0	1777.3
70°	1565.4	1507.3	1476.5	1479.9	1452.6	1497.0	1568.8	1613.2	1534.6	1486.8	1466.3
72.5°	1302.2	1285.1	1264.6	1268.0	1213.3	1203.1	1121.1	1121.1	1100.5	1086.9	1110.8
75°	994.6	987.8	998.0	980.9	922.8	861.3	813.4	769.0	700.7	673.3	659.6
77.5°	628.9	649.4	673.3	635.7	611.8	567.4	519.5	475.1	420.4	389.6	389.6
80°	427.2	444.3	461.4	454.6	427.2	386.2	348.6	300.8	263.2	239.2	235.8
82.5°	324.7	338.4	362.3	334.9	307.6	273.4	242.7	208.5	174.3	147.0	147.0
85°	116.2	133.3	147.0	160.6	170.9	174.3	150.4	123.0	99.1	78.6	75.2
87.5°	30.8	34.2	37.6	34.2	34.2	34.2	37.6	34.2	30.8	23.9	23.9
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)