

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: P531104

Luminaire Tested: **GALN-SA6B-760-U-T3-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531104  
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-760-U-T3-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 5700K, 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: 28768 lumens  
Efficiency: N/A  
Efficacy: 118.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G3

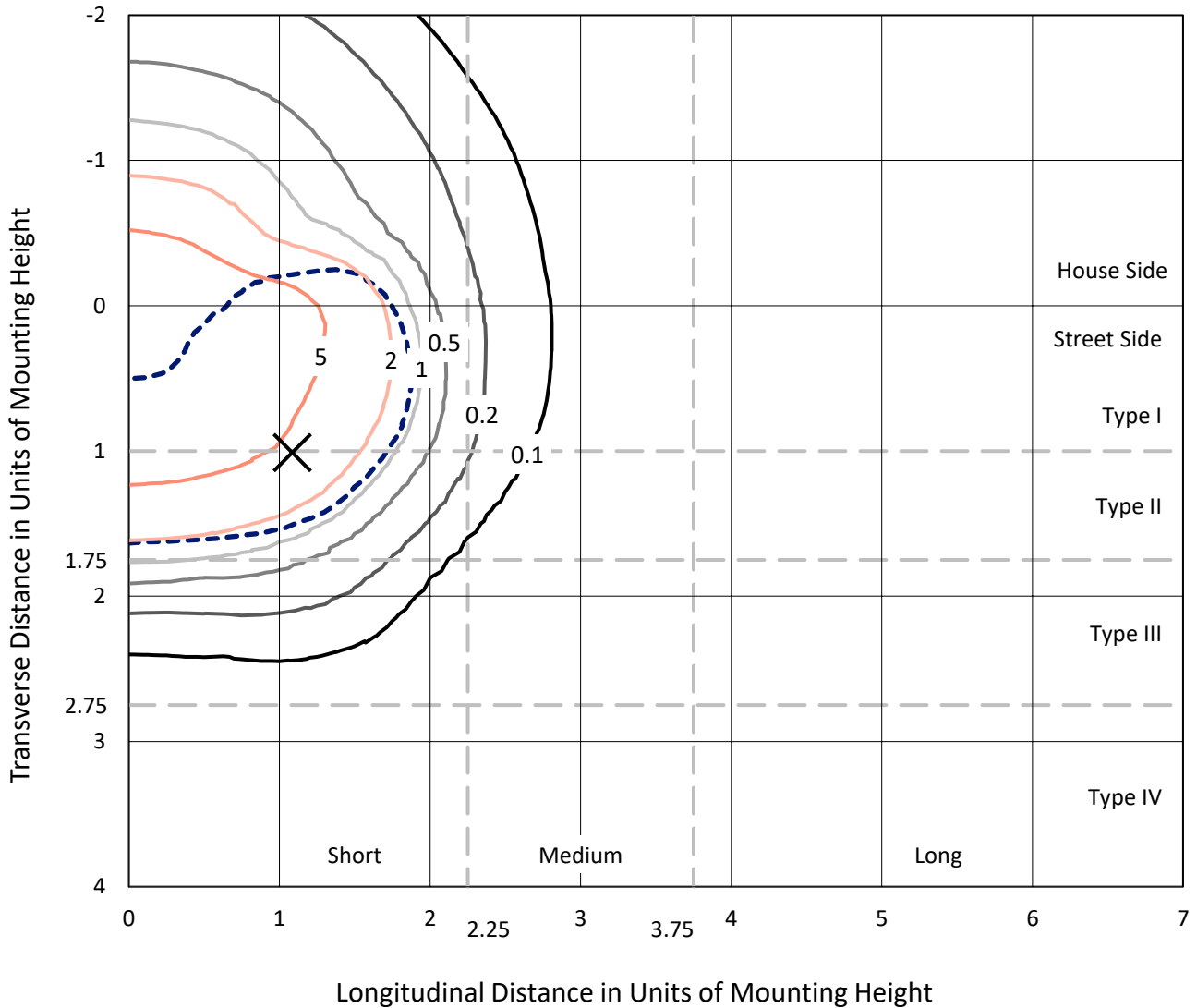
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

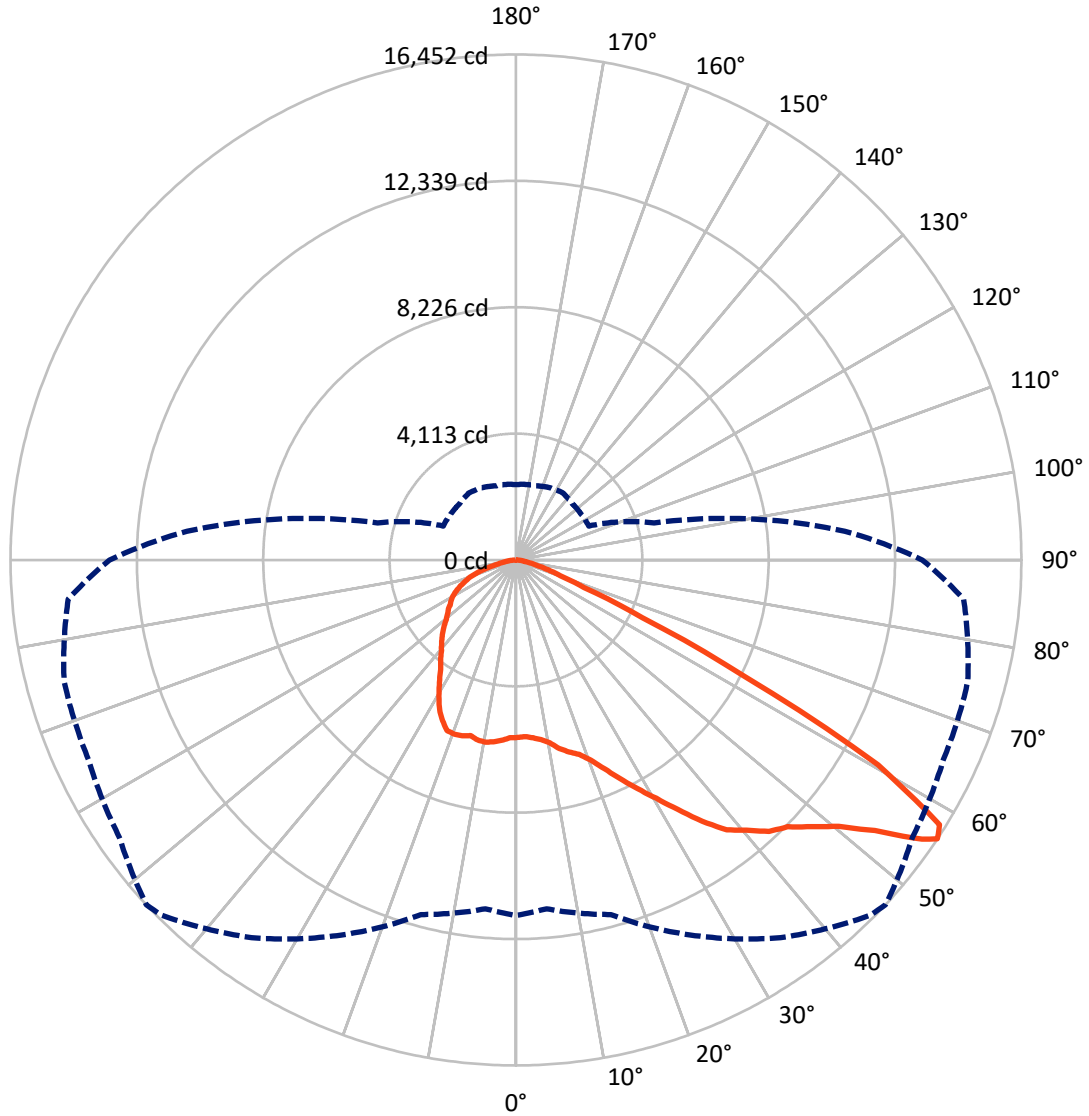
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 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	9116.2	0.0	9116.2
	% Fixture	31.7	0.0	31.7
<b>Street Side</b>	Lumens	19651.8	0.0	19651.8
	% Fixture	68.3	0.0	68.3
<b>Total</b>	Lumens	28768.0	0.0	28768.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	563.1	2.0
10°-20°	1776.1	6.2
20°-30°	3139.8	10.9
30°-40°	4715.8	16.4
40°-50°	6472.0	22.5
50°-60°	7710.6	26.8
60°-70°	3299.7	11.5
70°-80°	933.8	3.2
80°-90°	157.1	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°	28768.0	100.0
0°-180°	28768.0	100.0

**Coefficient of Utilization**

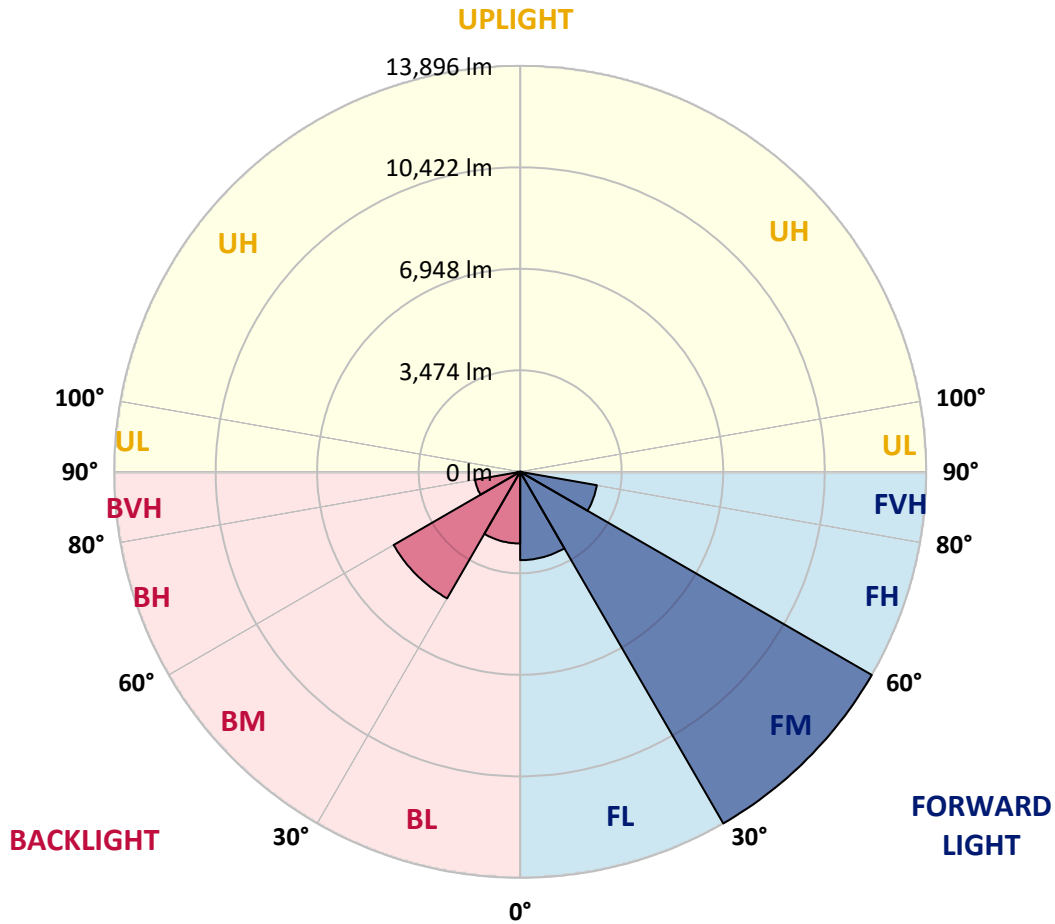


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3024.5	10.5			
FM (30°-60°)	13895.6	48.3			
FH (60°-80°)	2665.0	9.3			G2/5000
FVH (80°-90°)	66.7	0.2			G1/100
BL (0°-30°)	2454.5	8.5	B3/2500		
BM (30°-60°)	5002.8	17.4	B4/8500		
BH (60°-80°)	1568.5	5.5	B3/2500		G3/2500
BVH (80°-90°)	90.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G3**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	5778.6	5778.6	5778.6	5778.6	5778.6	5778.6	5778.6	5778.6	5778.6	5778.6	5778.6
2.5°	5756.6	5745.6	5738.3	5797.0	5774.9	5778.6	5756.6	5778.6	5793.3	5760.3	5808.0
5°	5745.6	5778.6	5749.3	5767.6	5815.3	5800.6	5815.3	5859.3	5848.3	5837.3	5822.6
7.5°	5848.3	5852.0	5874.0	5881.3	5896.0	5881.3	5903.4	5943.7	5932.7	5870.3	5877.7
10°	5995.1	6002.4	6006.1	6046.5	6072.1	6075.8	6050.1	6013.4	6009.8	6094.1	6035.4
12.5°	6163.9	6145.5	6189.5	6204.2	6233.6	6266.6	6299.6	6222.6	6270.3	6273.9	6204.2
15°	6409.7	6428.0	6376.7	6376.7	6387.7	6391.3	6483.1	6446.4	6439.0	6398.7	6428.0
17.5°	6776.6	6651.8	6648.2	6596.8	6589.5	6618.8	6651.8	6681.2	6780.2	6699.5	6541.8
20°	7044.4	7073.8	6967.4	6905.0	6916.0	6982.0	6949.0	7081.1	7150.8	7018.7	6864.6
22.5°	7517.7	7418.6	7444.3	7304.9	7315.9	7385.6	7382.0	7517.7	7558.1	7348.9	7125.1
25°	7836.9	7811.2	7833.2	7723.2	7737.8	7792.9	7880.9	8104.7	8038.7	7807.6	7290.2
27.5°	8302.9	8251.5	8233.2	8192.8	8178.1	8324.9	8427.6	8666.1	8618.4	8280.9	7583.7
30°	8779.8	8746.8	8765.2	8600.0	8658.8	8970.6	9000.0	9326.5	9304.5	8710.1	7910.3
32.5°	9110.0	9128.4	9161.4	9069.7	9330.2	9579.7	9678.7	10049.3	10067.6	9447.6	8541.3
35°	9642.0	9579.7	9598.0	9704.4	9825.5	10280.4	10441.9	10687.7	10841.8	10221.7	9146.7
37.5°	9975.9	10042.0	9964.9	10133.7	10449.2	10995.9	11142.6	11395.8	11557.2	10984.9	9972.2
40°	10496.9	10390.5	10445.5	10566.6	10889.5	11601.3	11560.9	11821.4	11872.8	11634.3	10742.7
42.5°	11058.3	11006.9	10929.8	11205.0	11476.5	11993.8	12074.6	11953.5	12214.0	12269.0	11843.4
45°	11729.7	11792.0	11803.1	11810.4	12048.9	12500.2	12390.1	12283.7	12584.5	12984.5	12525.8
47.5°	12353.4	12155.3	12298.4	12496.5	12834.0	12837.7	12966.1	12713.0	13032.2	13388.0	13142.2
50°	12562.5	12467.1	12657.9	13032.2	13553.2	13608.2	13622.9	13263.3	13428.4	13710.9	13355.0
52.5°	12481.8	12448.8	12936.8	13516.5	14279.6	14558.4	14631.8	14187.9	14279.6	14151.2	13824.7
55°	12096.6	12195.6	12687.3	13868.7	15039.1	15901.3	16040.7	15479.4	14896.0	14995.1	14635.5
56°	11568.2	11395.8	11946.1	13468.8	15006.1	16337.9	16451.6	15750.9	15354.6	15226.2	14628.2
57.5°	9814.5	9590.7	10313.5	12118.6	14173.2	16172.8	16257.2	15864.6	15277.6	15017.1	13560.5
60°	5745.6	5855.7	6772.9	8357.9	10933.5	13259.6	13542.1	13828.3	13435.7	12269.0	10093.3
62.5°	2773.7	2704.0	3360.8	4791.7	6662.8	8464.3	8379.9	9183.4	9623.7	8717.5	6373.0
65°	1452.9	1445.6	1834.5	2616.0	3661.6	4446.8	4523.8	4956.8	5562.1	4490.8	3236.0
67.5°	1067.7	1097.0	1291.5	1838.2	2355.5	2403.2	2392.2	2608.6	2667.3	2256.4	1988.6
70°	836.5	851.2	994.3	1397.9	1753.8	1570.3	1537.3	1563.0	1735.4	1808.8	1720.7
72.5°	605.4	620.1	741.1	942.9	1097.0	1071.3	1093.4	1236.4	1449.2	1526.3	1434.6
75°	403.6	414.6	480.6	576.0	649.4	700.8	741.1	906.2	1104.4	1148.4	1104.4
77.5°	278.8	289.8	333.9	407.3	414.6	447.6	462.3	539.3	660.4	715.4	686.1
80°	157.8	157.8	179.8	209.1	256.8	300.9	308.2	370.6	425.6	462.3	469.6
82.5°	73.4	77.0	95.4	128.4	168.8	209.1	216.5	256.8	297.2	333.9	344.9
85°	36.7	40.4	55.0	77.0	102.7	124.7	121.1	124.7	132.1	124.7	128.4
87.5°	11.0	11.0	14.7	18.3	14.7	18.3	18.3	22.0	25.7	29.4	33.0
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°	5778.6	5778.6	5778.6	5778.6	5778.6	5778.6	5778.6	5778.6	5778.6	5778.6	5778.6
2.5°	5811.6	5822.6	5749.3	5819.0	5793.3	5789.6	5841.0	5833.7	5852.0	5844.7	5800.6
5°	5815.3	5789.6	5866.7	5797.0	5830.0	5899.7	5852.0	5962.1	5907.0	5943.7	5863.0
7.5°	5929.0	5936.4	5921.7	5951.1	5936.4	5969.4	5943.7	5969.4	5925.4	5929.0	6002.4
10°	6028.1	6006.1	6031.8	5995.1	6020.8	6009.8	5951.1	5932.7	5947.4	5929.0	5976.7
12.5°	6211.6	6171.2	6152.9	6108.8	6079.5	5969.4	5877.7	5826.3	5896.0	5907.0	5885.0
15°	6398.7	6402.3	6318.0	6218.9	6035.4	5870.3	5892.4	5910.7	5910.7	5940.1	5885.0
17.5°	6516.1	6516.1	6439.0	6240.9	6053.8	5958.4	5936.4	5877.7	5826.3	5819.0	5815.3
20°	6721.5	6659.2	6483.1	6237.2	6046.5	6002.4	5837.3	5697.9	5591.5	5554.8	5551.1
22.5°	6956.4	6798.6	6552.8	6244.6	6035.4	5973.1	5664.9	5455.7	5265.0	5184.2	5195.3
25°	7172.8	6919.7	6593.1	6211.6	5995.1	5694.2	5349.3	5059.5	4861.4	4795.3	4762.3
27.5°	7323.3	7048.1	6593.1	6240.9	5844.7	5382.4	5030.1	4659.6	4487.1	4443.1	4450.5
30°	7525.0	7209.5	6706.9	6178.5	5543.8	4978.8	4556.9	4314.7	4212.0	4175.3	4201.0
32.5°	7998.3	7631.4	6864.6	6028.1	5187.9	4575.2	4234.0	4098.2	3947.8	3874.4	3848.7
35°	8512.0	8031.4	7018.7	5774.9	4788.0	4208.3	3995.5	3870.8	3691.0	3610.3	3624.9
37.5°	9238.4	8545.0	7029.7	5356.7	4355.1	4002.8	3808.4	3613.9	3467.2	3342.4	3305.7
40°	10218.1	9245.8	7004.1	4916.4	4006.5	3760.7	3617.6	3375.4	3210.3	3122.3	3140.6
42.5°	11080.3	10067.6	6897.7	4417.4	3691.0	3595.6	3434.1	3195.7	3034.2	2942.5	2935.2
45°	11806.7	10673.0	6695.9	3991.8	3426.8	3412.1	3225.0	3041.6	2913.2	2828.8	2865.5
47.5°	12478.1	11161.0	6391.3	3566.2	3184.7	3214.0	3034.2	2920.5	2839.8	2762.7	2759.1
50°	12720.3	11153.6	6123.5	3214.0	2990.2	2975.5	2968.2	2847.1	2762.7	2696.7	2726.0
52.5°	13123.9	11278.4	5833.7	2971.9	2814.1	2817.8	2843.4	2755.4	2660.0	2619.6	2656.3
55°	13703.6	11296.7	5195.3	2689.4	2667.3	2693.0	2693.0	2634.3	2553.6	2520.6	2502.2
56°	13230.3	10750.1	4659.6	2616.0	2594.0	2594.0	2663.7	2597.6	2498.6	2472.9	2450.9
57.5°	12203.0	9418.2	3900.1	2527.9	2494.9	2546.3	2583.0	2513.2	2421.5	2384.8	2406.8
60°	8416.6	6373.0	2931.5	2337.1	2337.1	2421.5	2450.9	2348.1	2307.8	2304.1	2274.8
62.5°	4912.7	3713.0	2293.1	2164.7	2172.0	2241.7	2263.8	2205.0	2153.7	2216.1	2245.4
65°	2605.0	2216.1	1966.6	1981.2	1984.9	2039.9	2135.3	2131.7	2128.0	2146.3	2150.0
67.5°	1885.8	1841.8	1786.8	1772.1	1779.4	1819.8	1915.2	1988.6	1984.9	1940.9	1907.9
70°	1680.4	1618.0	1585.0	1588.7	1559.3	1607.0	1684.1	1731.8	1647.4	1596.0	1574.0
72.5°	1397.9	1379.5	1357.5	1361.2	1302.5	1291.5	1203.4	1203.4	1181.4	1166.7	1192.4
75°	1067.7	1060.3	1071.3	1053.0	990.6	924.6	873.2	825.5	752.1	722.8	708.1
77.5°	675.1	697.1	722.8	682.4	656.7	609.0	557.7	510.0	451.3	418.3	418.3
80°	458.6	477.0	495.3	488.0	458.6	414.6	374.2	322.9	282.5	256.8	253.2
82.5°	348.6	363.2	388.9	359.6	330.2	293.5	260.5	223.8	187.1	157.8	157.8
85°	124.7	143.1	157.8	172.4	183.4	187.1	161.4	132.1	106.4	84.4	80.7
87.5°	33.0	36.7	40.4	36.7	36.7	36.7	40.4	36.7	33.0	25.7	25.7
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)