

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: P530990

Luminaire Tested: **GALN-SA6B-730-U-SL3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530990
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-20)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-730-U-SL3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25997 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

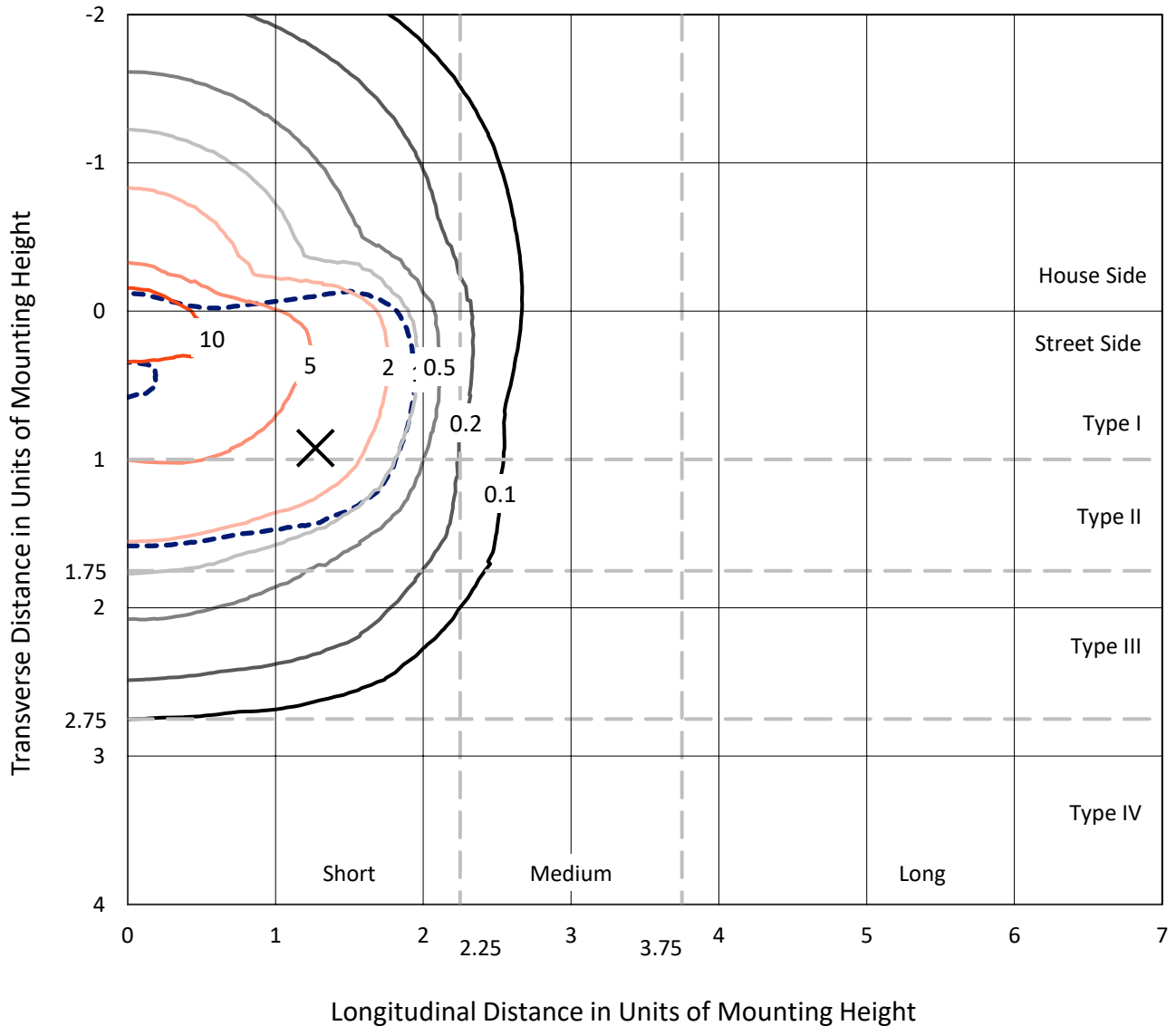
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

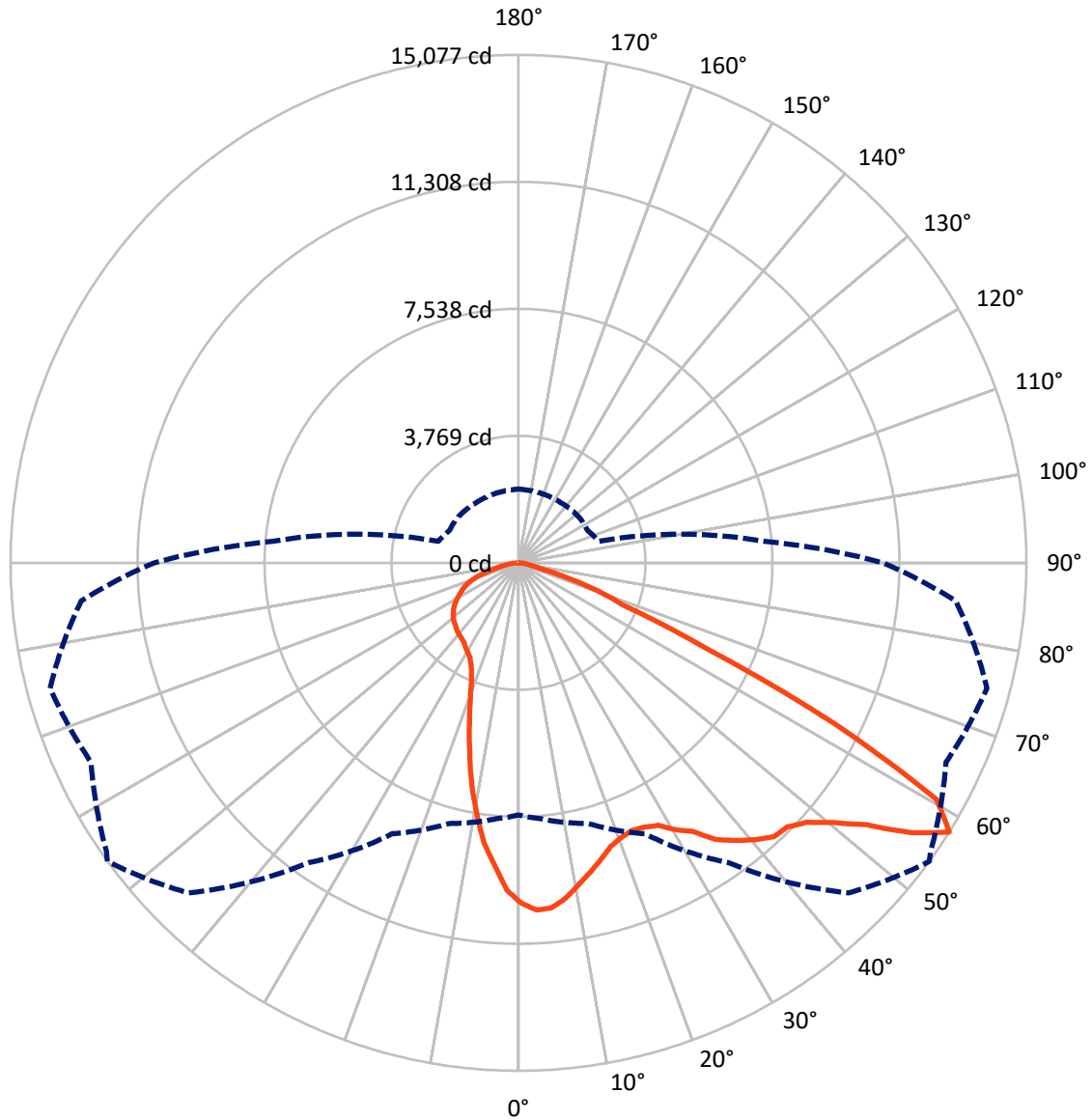
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7192.2	0.0	7192.2
	% Fixture	27.7	0.0	27.7
Street Side	Lumens	18804.8	0.0	18804.8
	% Fixture	72.3	0.0	72.3
Total	Lumens	25997.0	0.0	25997.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	871.4	3.4
10°-20°	2017.7	7.8
20°-30°	2834.9	10.9
30°-40°	3963.2	15.2
40°-50°	5365.4	20.6
50°-60°	6535.3	25.1
60°-70°	3403.9	13.1
70°-80°	872.2	3.4
80°-90°	133.0	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°	25997.0	100.0
0°-180°	25997.0	100.0

Coefficient of Utilization



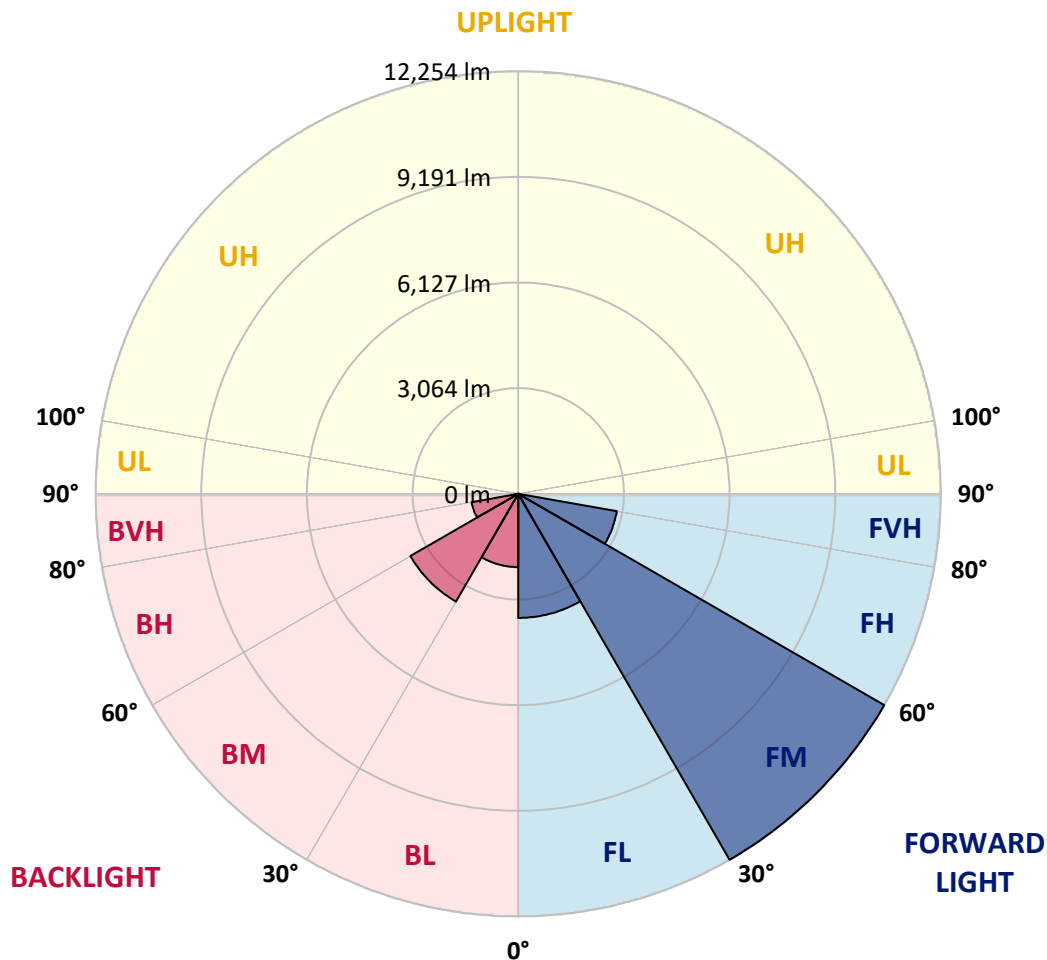
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3598.3	13.8			
FM (30°-60°)	12254.2	47.1			
FH (60°-80°)	2902.0	11.2			G2/5000
FVH (80°-90°)	50.3	0.2			G1/100
BL (0°-30°)	2125.7	8.2	B3/2500		
BM (30°-60°)	3609.7	13.9	B3/5000		
BH (60°-80°)	1374.1	5.3	B3/2500		G3/2500
BVH (80°-90°)	82.8	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°	54°	55°	65°	75°	85°
0°	10104.7	10104.7	10104.7	10104.7	10104.7	10104.7	10104.7	10104.7	10104.7	10104.7	10104.7
2.5°	10392.1	10352.0	10358.7	10412.2	10345.3	10318.6	10318.6	10188.3	10198.3	10108.1	10084.7
5°	10151.5	10058.0	10121.4	10201.6	10215.0	10241.7	10285.2	10251.8	10158.2	10061.3	9904.2
7.5°	9523.3	9606.9	9630.2	9687.0	9807.3	9917.6	10054.6	9961.1	9957.7	9860.8	9767.2
10°	8972.0	8921.8	9048.8	9132.4	9332.8	9516.6	9727.1	9717.1	9767.2	9657.0	9496.6
12.5°	8424.0	8383.9	8444.0	8634.5	8915.2	9182.5	9433.1	9339.5	9606.9	9586.8	9242.6
15°	7842.5	7872.6	7959.5	8136.6	8504.2	8824.9	9142.4	9145.7	9383.0	9463.2	9002.0
17.5°	7434.9	7401.5	7511.7	7775.7	8103.2	8487.4	8848.3	8921.8	9286.1	9332.8	8928.5
20°	7130.8	7177.6	7321.3	7454.9	7832.5	8297.0	8704.6	8731.4	9266.0	9393.0	8811.6
22.5°	7057.3	7030.5	7077.3	7294.5	7605.3	8109.9	8627.8	8728.0	9262.7	9372.9	8591.0
25°	6980.4	7067.3	7064.0	7281.2	7508.4	7959.5	8691.3	8801.5	9439.8	9476.5	8621.1
27.5°	7154.2	7144.2	7237.7	7254.4	7535.1	7999.6	8824.9	8908.5	9733.8	9703.8	8644.5
30°	7327.9	7277.8	7334.6	7531.8	7662.1	8230.1	9192.5	9185.8	10114.8	10094.7	8718.0
32.5°	7541.8	7518.4	7555.2	7728.9	7949.5	8537.6	9503.3	9700.4	10502.4	10629.4	8972.0
35°	7581.9	7678.8	7765.7	7999.6	8313.7	9035.5	10088.0	10251.8	10950.1	11347.8	9456.5
37.5°	7835.8	7872.6	8076.4	8490.8	8778.2	9700.4	10458.9	10562.5	11357.8	11808.9	9967.7
40°	8106.5	8150.0	8457.4	8891.8	9286.1	10134.8	10806.5	10839.9	11488.1	12163.1	10301.9
42.5°	8474.1	8514.2	8818.3	9362.9	9890.9	10505.7	11113.9	11150.6	11478.1	12570.8	10833.2
45°	8855.0	8951.9	9309.5	9927.6	10402.1	10940.1	11184.0	11334.4	11571.7	12935.0	11264.2
47.5°	9389.7	9479.9	9773.9	10378.7	10933.4	11321.0	11508.2	11655.2	11795.5	13252.4	11541.6
50°	9957.7	9974.4	10332.0	10880.0	11287.6	11752.1	12113.0	12163.1	12089.6	13620.0	12012.7
52.5°	10375.4	10428.9	10706.2	11240.9	11849.0	12420.4	12914.9	12968.4	12824.7	13757.0	12173.1
55°	9683.7	9653.6	10104.7	10816.5	12226.6	13416.2	14134.6	14174.7	13359.4	14181.4	12697.8
57.5°	7485.0	7628.7	8012.9	8871.7	10863.3	13857.3	15076.9	14933.2	14000.9	14395.2	13031.9
60°	5440.0	5406.6	5663.9	6238.6	8186.7	11942.6	14254.9	14401.9	13476.3	12975.1	10746.3
62.5°	4430.8	4384.1	4404.1	4424.2	5282.9	7926.1	10552.5	10549.2	10378.7	9326.2	7247.7
65°	3542.0	3652.3	3662.3	3812.7	3922.9	4734.9	6115.0	6442.4	5610.4	4601.3	3338.2
67.5°	2669.9	2629.8	2763.4	3298.1	3505.2	3418.4	3338.2	3374.9	2399.2	1730.9	1630.7
70°	1573.9	1557.1	1717.5	2299.0	2887.1	2716.7	2516.2	2519.5	1647.4	1209.6	1346.6
72.5°	862.1	858.8	892.2	1166.2	1640.7	1704.2	1510.4	1557.1	982.4	979.1	1052.6
75°	481.2	471.2	461.1	514.6	591.4	624.9	638.2	644.9	675.0	755.2	785.3
77.5°	177.1	170.4	170.4	197.1	250.6	314.1	397.6	404.3	477.8	548.0	578.1
80°	60.1	66.8	90.2	123.6	167.1	223.9	270.7	277.3	337.5	384.3	394.3
82.5°	36.8	40.1	60.1	86.9	120.3	157.1	200.5	203.8	250.6	280.7	294.1
85°	16.7	20.0	33.4	53.5	76.9	103.6	106.9	106.9	103.6	106.9	100.2
87.5°	0.0	0.0	6.7	6.7	6.7	10.0	13.4	10.0	16.7	20.0	20.0
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°	10104.7	10104.7	10104.7	10104.7	10104.7	10104.7	10104.7	10104.7	10104.7	10104.7	10104.7
2.5°	10014.5	9977.8	9864.1	9763.9	9733.8	9600.2	9403.0	9426.4	9282.7	9349.6	9279.4
5°	9877.5	9753.9	9463.2	9339.5	9015.4	8868.4	8768.1	8517.5	8400.6	8377.2	8276.9
7.5°	9526.7	9449.8	9085.6	8751.4	8407.2	8113.2	7735.6	7478.3	7294.5	7244.4	7097.4
10°	9249.3	9078.9	8574.3	8066.4	7575.2	7064.0	6572.8	6188.5	6001.4	5784.2	5710.6
12.5°	8975.3	8718.0	8036.3	7384.7	6749.9	6104.9	5510.2	5042.3	4634.7	4537.8	4504.4
15°	8804.9	8357.1	7555.2	6769.9	5867.7	5025.6	4430.8	4123.4	3872.8	3769.2	3842.7
17.5°	8581.0	8059.7	7094.0	6048.1	5055.7	4280.5	3782.6	3592.1	3501.9	3511.9	3481.9
20°	8300.3	7779.0	6489.2	5393.2	4330.6	3712.4	3428.4	3358.2	3371.6	3395.0	3385.0
22.5°	8099.8	7438.2	6051.5	4724.9	3742.5	3398.3	3281.4	3231.2	3274.7	3294.7	3278.0
25°	7946.1	7147.5	5520.2	4133.5	3401.7	3221.2	3167.8	3164.4	3231.2	3258.0	3241.3
27.5°	7805.8	6876.8	4992.2	3682.3	3174.4	3084.2	3067.5	3107.6	3151.0	3177.8	3201.2
30°	7722.2	6669.7	4497.7	3304.8	3060.8	3017.4	2987.3	3024.1	3047.5	3074.2	3060.8
32.5°	7802.4	6522.6	4019.8	3090.9	2967.3	2923.8	2963.9	2940.5	2980.6	3004.0	2967.3
35°	8053.0	6392.3	3679.0	2977.3	2860.3	2877.0	2883.7	2873.7	2890.4	2870.4	2913.8
37.5°	8300.3	6345.5	3364.9	2880.4	2810.2	2810.2	2803.5	2783.5	2816.9	2810.2	2830.3
40°	8614.4	6375.6	3097.6	2776.8	2763.4	2756.7	2730.0	2726.7	2713.3	2716.7	2723.3
42.5°	8888.4	6442.4	2943.9	2710.0	2720.0	2733.4	2683.2	2643.1	2659.8	2626.4	2626.4
45°	9179.1	6502.6	2806.9	2663.2	2653.2	2649.8	2609.7	2586.3	2573.0	2576.3	2606.4
47.5°	9636.9	6589.5	2703.3	2599.7	2606.4	2556.3	2546.2	2516.2	2529.5	2549.6	2552.9
50°	9961.1	6773.2	2623.1	2526.2	2549.6	2516.2	2456.0	2442.6	2442.6	2476.1	2469.4
52.5°	10188.3	7030.5	2546.2	2446.0	2456.0	2429.3	2409.2	2379.2	2359.1	2405.9	2429.3
55°	10883.3	7458.3	2526.2	2379.2	2375.8	2349.1	2312.3	2282.3	2272.2	2278.9	2325.7
57.5°	10816.5	7324.6	2462.7	2262.2	2255.5	2218.8	2182.0	2172.0	2168.6	2175.3	2188.7
60°	8781.5	5409.9	2198.7	2128.5	2118.5	2111.8	2075.1	2035.0	2014.9	2035.0	2018.3
62.5°	5810.9	3622.2	1938.1	1968.2	1974.8	1958.1	1898.0	1857.9	1864.6	1888.0	1851.2
65°	2853.7	2128.5	1757.6	1837.8	1844.5	1797.7	1740.9	1694.1	1670.8	1690.8	1674.1
67.5°	1630.7	1627.3	1610.6	1694.1	1690.8	1644.0	1553.8	1513.7	1473.6	1480.3	1470.3
70°	1383.4	1410.1	1443.5	1493.7	1490.3	1436.9	1329.9	1299.8	1243.0	1236.4	1219.7
72.5°	1089.3	1136.1	1209.6	1246.4	1216.3	1149.5	1079.3	1029.2	979.1	949.0	959.0
75°	808.6	875.5	915.6	939.0	892.2	855.4	798.6	738.5	678.3	651.6	641.6
77.5°	588.1	608.2	644.9	661.6	631.5	594.8	561.4	501.2	444.4	407.7	397.6
80°	411.0	424.4	451.1	451.1	451.1	434.4	391.0	330.8	294.1	260.6	254.0
82.5°	287.4	300.7	327.5	314.1	310.8	290.7	264.0	217.2	177.1	153.7	147.0
85°	100.2	110.3	133.7	160.4	170.4	167.1	150.4	120.3	93.6	76.9	70.2
87.5°	23.4	23.4	26.7	23.4	23.4	26.7	23.4	23.4	23.4	16.7	13.4
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)