

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: P531377

Luminaire Tested: **GALN-SA6C-830-U-SL2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531377
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-17)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6C-830-U-SL2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19336 lumens
Efficiency: N/A
Efficacy: 60.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

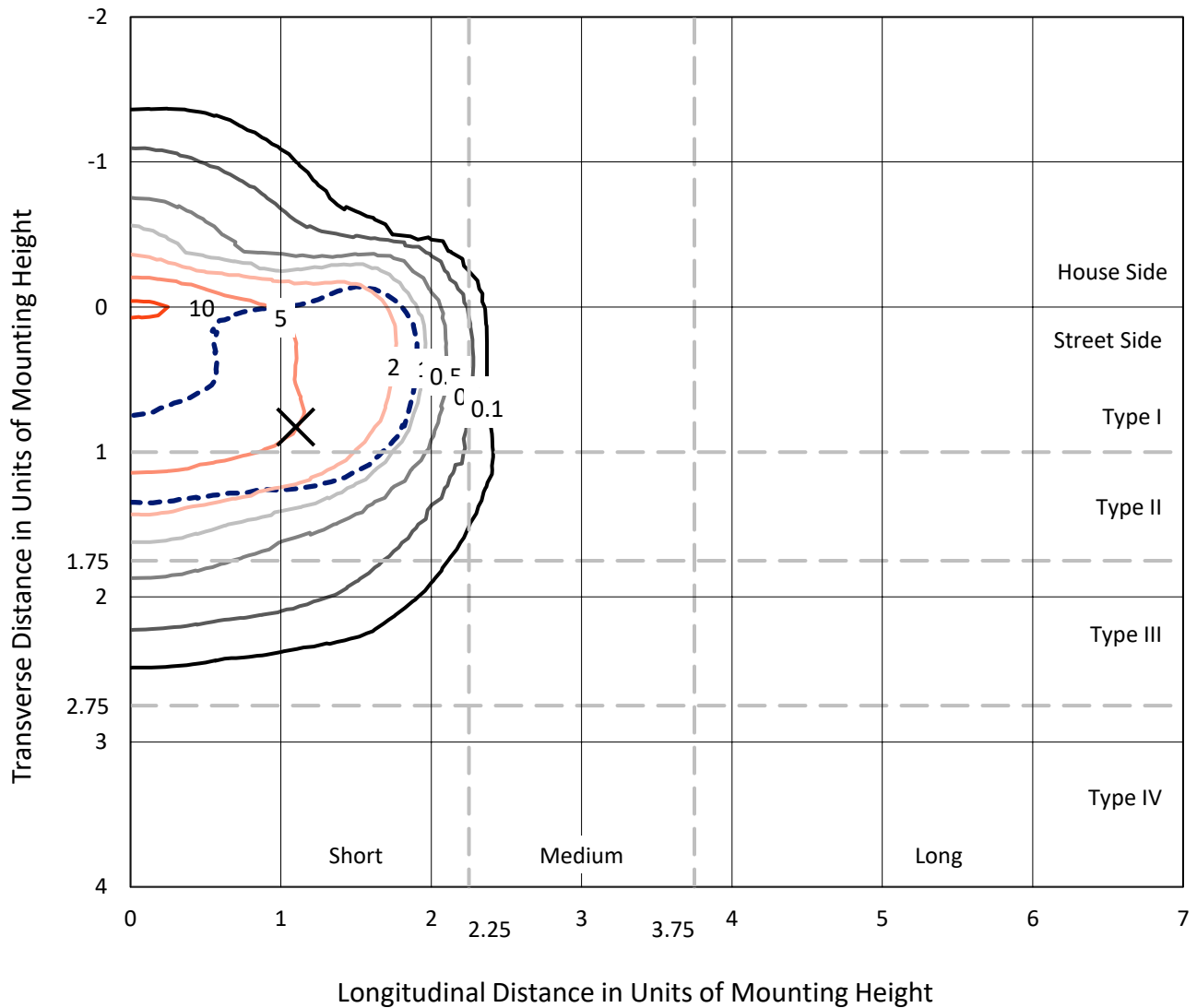
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

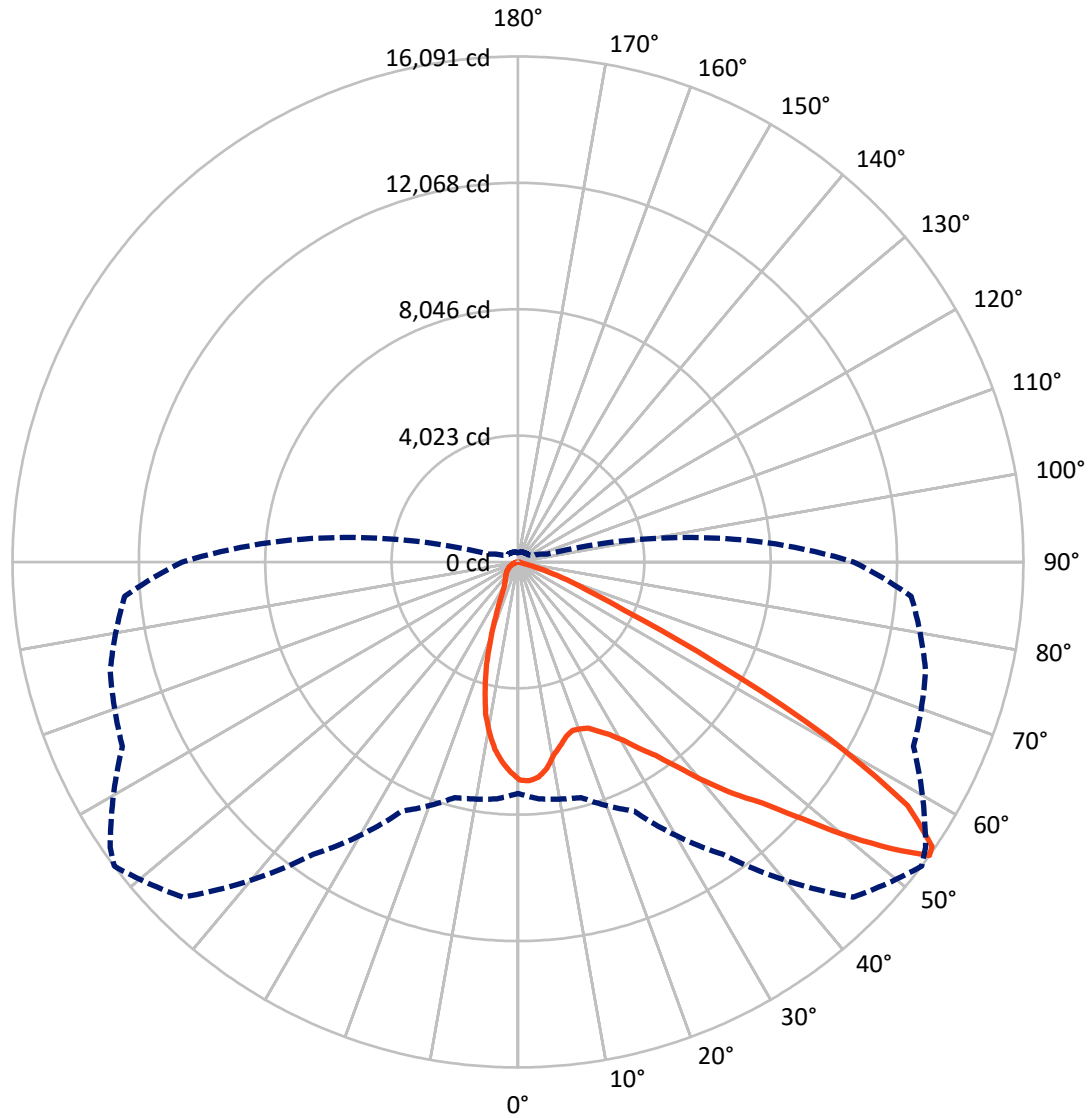
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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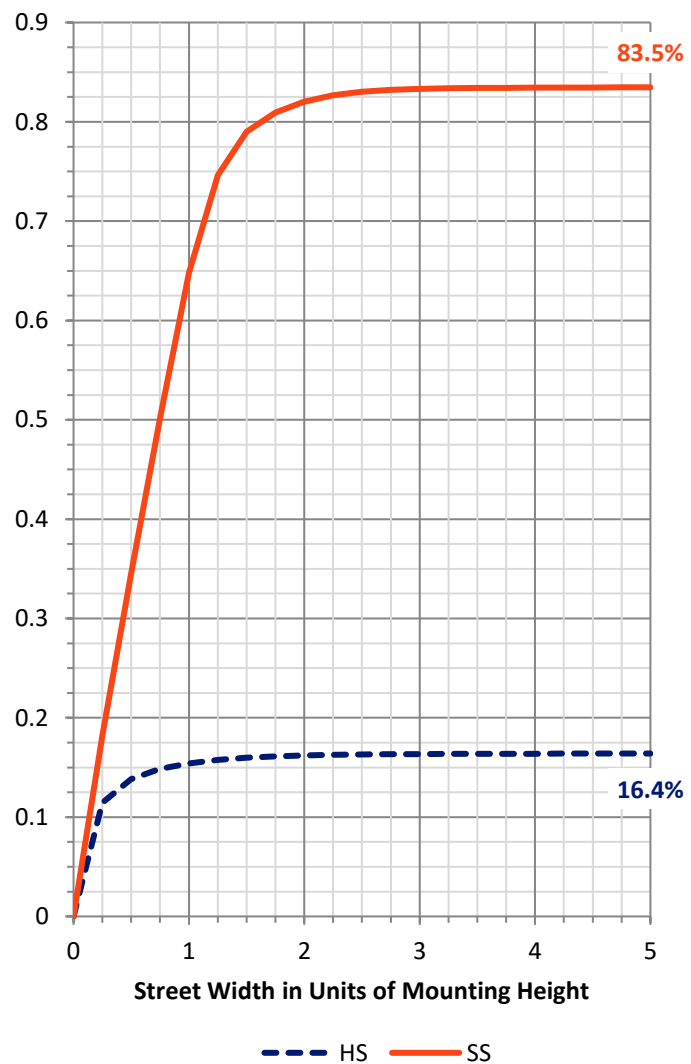
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3199.2	0.0	3199.2
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	16136.8	0.0	16136.8
	% Fixture	83.5	0.0	83.5
Total	Lumens	19336.0	0.0	19336.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	595.9	3.1
10°-20°	1366.2	7.1
20°-30°	1941.6	10.0
30°-40°	2996.4	15.5
40°-50°	4698.1	24.3
50°-60°	5457.5	28.2
60°-70°	2062.2	10.7
70°-80°	196.1	1.0
80°-90°	22.1	0.1
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°	19336.0	100.0
0°-180°	19336.0	100.0

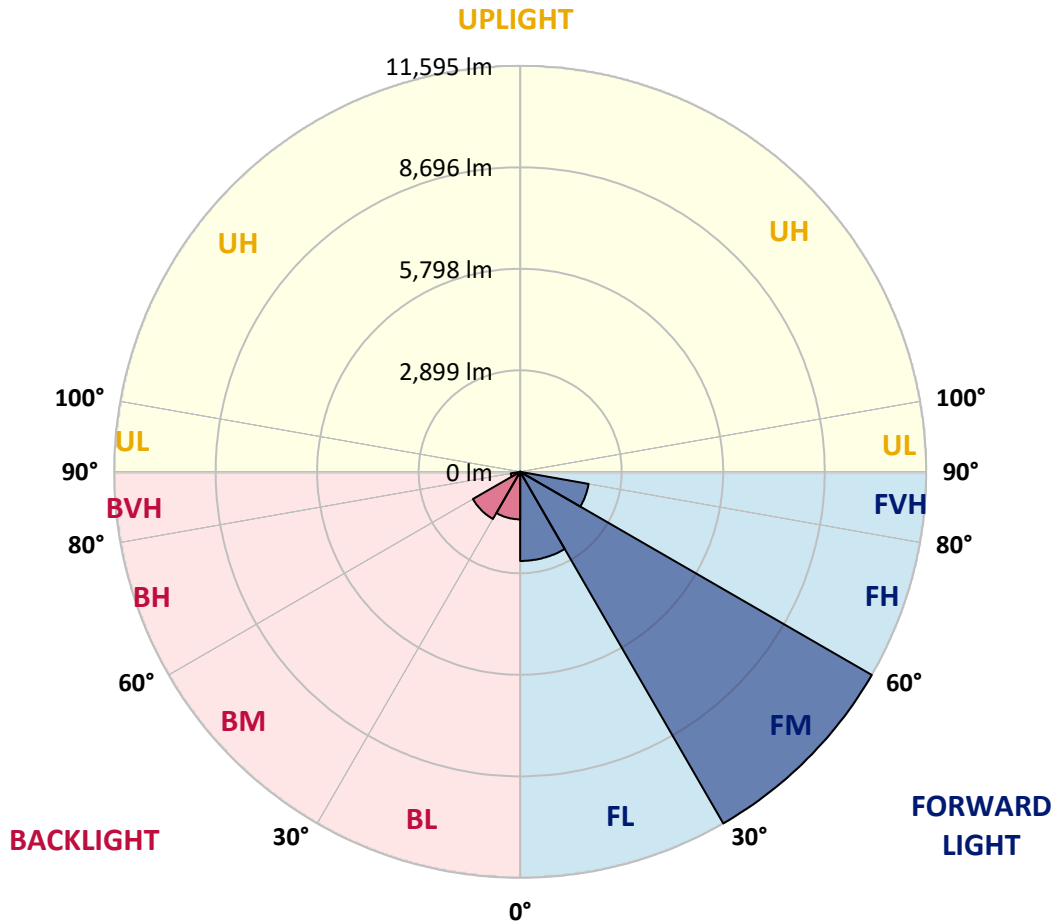


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2546.0	13.2			
FM (30°-60°)	11595.2	60.0			
FH (60°-80°)	1984.2	10.3			G2/5000
FVH (80°-90°)	11.4	0.1			G1/100
BL (0°-30°)	1357.6	7.0	B3/2500		
BM (30°-60°)	1556.8	8.1	B2/2500		
BH (60°-80°)	274.1	1.4	B1/500		G1/500
BVH (80°-90°)	10.7	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-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	6945.2	6945.2	6945.2	6945.2	6945.2	6945.2	6945.2	6945.2	6945.2	6945.2	6945.2
2.5°	6909.1	6847.9	6909.1	6916.3	6959.6	6999.2	6974.0	7031.6	6999.2	6963.2	6952.4
5°	6350.8	6433.6	6437.2	6566.9	6538.1	6775.9	6880.3	6851.5	7028.0	7017.2	6992.0
7.5°	5850.1	5817.7	5860.9	6012.2	6203.1	6476.9	6628.2	6624.6	6876.7	7056.8	7038.8
10°	5385.4	5381.8	5471.8	5590.7	5752.8	6041.0	6249.9	6354.4	6747.0	7020.8	7060.4
12.5°	5072.0	5057.6	5154.8	5252.1	5507.9	5731.2	5997.8	6048.2	6498.5	6894.7	6959.6
15°	4866.7	4899.1	4906.3	5093.6	5255.7	5551.1	5760.0	5864.5	6383.2	6793.9	7042.4
17.5°	4830.6	4873.9	4877.5	5032.4	5205.3	5453.8	5637.5	5778.0	6286.0	6844.3	7046.0
20°	4902.7	4877.5	4899.1	4996.3	5165.6	5403.4	5670.0	5716.8	6253.5	6869.5	7085.7
22.5°	5108.0	5100.8	5046.8	5126.0	5244.9	5493.5	5745.6	5817.7	6347.2	6999.2	7118.1
25°	5335.0	5374.6	5324.1	5313.3	5396.2	5641.1	5976.2	6069.8	6660.6	7233.3	7218.9
27.5°	5760.0	5720.4	5720.4	5670.0	5648.4	5767.2	6224.7	6379.6	7010.0	7535.9	7334.2
30°	6167.1	6210.3	6177.9	6195.9	6051.8	6041.0	6577.7	6768.7	7629.6	7997.0	7579.2
32.5°	6811.9	6754.2	6808.3	6761.4	6570.5	6376.0	7056.8	7255.0	8378.9	8526.6	7946.6
35°	7348.6	7323.4	7553.9	7546.7	7236.9	7046.0	7564.8	7860.1	8901.2	9160.6	8378.9
37.5°	8112.3	8065.5	8328.4	8454.5	8177.1	7892.6	8292.4	8634.6	9387.5	9668.5	8821.9
40°	8897.6	9016.5	9369.5	9578.4	9283.0	8904.8	9182.2	9286.6	9711.7	9999.9	9124.5
42.5°	9891.8	10064.7	10425.0	10605.1	10579.8	10169.2	10086.3	10082.7	9945.9	9906.2	9347.9
45°	10846.4	10781.6	11336.3	11729.0	12046.0	11927.1	10958.1	10850.0	10316.9	10046.7	9405.5
47.5°	11264.3	11242.7	11620.9	12319.7	13400.4	13548.1	12226.1	11808.2	10943.7	10637.5	9718.9
50°	10723.9	10835.6	11210.2	11984.7	13641.8	14769.3	13782.3	13220.3	11674.9	11357.9	10461.0
52.5°	8958.8	9034.5	9391.1	10374.5	12820.5	15489.7	15273.6	14949.4	13018.6	12492.7	11754.2
54°	7366.6	7568.4	7762.9	8749.9	11357.9	15089.9	16091.3	15842.8	13893.9	13436.4	12568.3
55°	6415.6	6534.5	6675.0	7658.4	10345.7	14412.7	15997.7	16019.3	14481.1	13731.8	13115.8
57.5°	4686.5	4769.4	4625.3	5061.2	7103.7	11703.8	14632.4	15216.0	15273.6	14174.9	13450.9
60°	3580.7	3616.7	3454.6	3523.0	4416.4	8033.0	11318.3	12020.8	13778.7	12388.2	11394.0
62.5°	2777.3	2784.6	2780.9	2899.8	3043.9	4726.2	7078.4	7701.6	9499.2	8796.7	7737.7
65°	2046.1	2013.7	2071.3	2431.5	2597.2	2971.9	3728.3	4182.2	5162.0	4358.7	3116.0
67.5°	1325.6	1336.4	1394.1	1808.3	2226.2	2280.2	2294.6	2258.6	2262.2	1246.4	781.7
70°	796.1	814.1	796.1	1023.0	1592.2	1635.4	1494.9	1458.9	1138.3	295.4	291.8
72.5°	471.9	446.7	399.9	439.5	662.8	792.5	713.2	709.6	446.7	172.9	172.9
75°	198.1	180.1	147.7	133.3	176.5	169.3	169.3	151.3	118.9	115.3	108.1
77.5°	39.6	39.6	28.8	32.4	43.2	50.4	61.2	61.2	72.0	72.0	68.4
80°	0.0	3.6	10.8	21.6	32.4	46.8	54.0	54.0	61.2	61.2	50.4
82.5°	0.0	3.6	10.8	21.6	28.8	43.2	54.0	54.0	61.2	64.8	54.0
85°	0.0	3.6	10.8	18.0	28.8	36.0	36.0	32.4	25.2	21.6	14.4
87.5°	0.0	0.0	3.6	7.2	3.6	7.2	7.2	7.2	7.2	7.2	7.2
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°	6945.2	6945.2	6945.2	6945.2	6945.2	6945.2	6945.2	6945.2	6945.2	6945.2	6945.2
2.5°	6977.6	6974.0	6887.5	6747.0	6714.6	6595.7	6581.3	6509.3	6548.9	6415.6	6401.2
5°	6919.9	6876.7	6772.3	6682.2	6419.2	6231.9	6084.2	5904.1	5799.6	5817.7	5749.2
7.5°	7002.8	6891.1	6707.4	6394.0	6073.4	5745.6	5569.1	5201.7	5068.4	4870.3	4841.4
10°	6916.3	6833.5	6548.9	6030.2	5587.1	5115.2	4701.0	4293.9	3984.1	3850.8	3822.0
12.5°	6909.1	6765.1	6289.6	5713.2	5072.0	4394.8	3793.2	3285.3	2979.1	2806.2	2766.5
15°	6797.5	6624.6	5997.8	5223.3	4337.1	3494.2	2838.6	2348.7	2114.5	2013.7	2042.5
17.5°	6808.3	6548.9	5706.0	4704.6	3613.1	2564.8	1938.0	1685.9	1624.6	1649.8	1649.8
20°	6797.5	6379.6	5353.0	4106.6	2766.5	1779.5	1422.9	1332.8	1372.5	1451.7	1433.7
22.5°	6739.8	6300.4	5028.8	3476.2	2035.3	1318.4	1141.9	1145.5	1206.8	1304.0	1325.6
25°	6783.1	6123.8	4618.1	2838.6	1484.1	1051.9	990.6	1015.8	1080.7	1152.7	1167.1
27.5°	6750.6	5997.8	4189.4	2204.6	1084.3	904.2	900.6	929.4	958.2	1012.2	1012.2
30°	6786.7	5882.5	3768.0	1639.0	893.4	828.5	814.1	835.7	864.5	875.4	871.7
32.5°	6919.9	5796.0	3281.7	1224.8	788.9	756.5	756.5	756.5	752.9	767.3	770.9
35°	7211.7	5810.5	2853.0	947.4	720.5	695.2	684.4	670.0	662.8	670.0	673.6
37.5°	7528.7	5803.2	2409.9	806.9	670.0	648.4	623.2	601.6	598.0	605.2	594.4
40°	7669.2	5871.7	1999.3	724.1	623.2	598.0	558.4	540.3	543.9	551.1	543.9
42.5°	7860.1	5893.3	1732.7	659.2	580.0	540.3	515.1	493.5	489.9	500.7	497.1
45°	7856.5	5770.8	1451.7	623.2	540.3	497.1	464.7	446.7	446.7	453.9	457.5
47.5°	8087.1	5752.8	1246.4	590.8	511.5	468.3	428.7	414.3	410.7	410.7	403.5
50°	8623.8	6005.0	1087.9	554.7	475.5	435.9	403.5	385.4	371.0	363.8	360.2
52.5°	9672.1	6790.3	965.4	511.5	435.9	403.5	374.6	360.2	342.2	324.2	320.6
54°	10687.9	7600.8	958.2	475.5	403.5	381.8	356.6	349.4	327.8	302.6	295.4
55°	11145.4	8072.7	983.4	446.7	381.8	367.4	345.8	338.6	317.0	288.2	284.6
57.5°	11523.6	8256.4	969.0	371.0	345.8	342.2	324.2	313.4	288.2	248.6	241.4
60°	9275.8	6242.7	695.2	327.8	317.0	309.8	295.4	288.2	255.8	212.5	208.9
62.5°	5860.9	3591.5	443.1	288.2	277.4	266.6	248.6	241.4	212.5	169.3	158.5
65°	2496.4	1487.7	299.0	255.8	237.7	219.7	205.3	194.5	169.3	126.1	122.5
67.5°	648.4	529.5	248.6	223.3	198.1	172.9	162.1	144.1	115.3	86.5	82.9
70°	291.8	266.6	208.9	187.3	158.5	133.3	118.9	100.9	75.6	57.6	54.0
72.5°	172.9	169.3	158.5	140.5	118.9	100.9	86.5	68.4	50.4	32.4	32.4
75°	108.1	104.5	108.1	97.3	82.9	75.6	64.8	46.8	28.8	14.4	14.4
77.5°	64.8	64.8	64.8	61.2	57.6	57.6	46.8	28.8	14.4	3.6	3.6
80°	50.4	50.4	54.0	50.4	50.4	50.4	39.6	21.6	7.2	0.0	0.0
82.5°	50.4	54.0	61.2	57.6	50.4	43.2	36.0	21.6	7.2	0.0	0.0
85°	14.4	10.8	18.0	25.2	36.0	32.4	25.2	18.0	7.2	0.0	0.0
87.5°	7.2	7.2	7.2	7.2	3.6	3.6	3.6	3.6	3.6	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)