

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P641856

Luminaire Tested: GWS-SA6B-760-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641856
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-760-U-T3R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18727.8 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

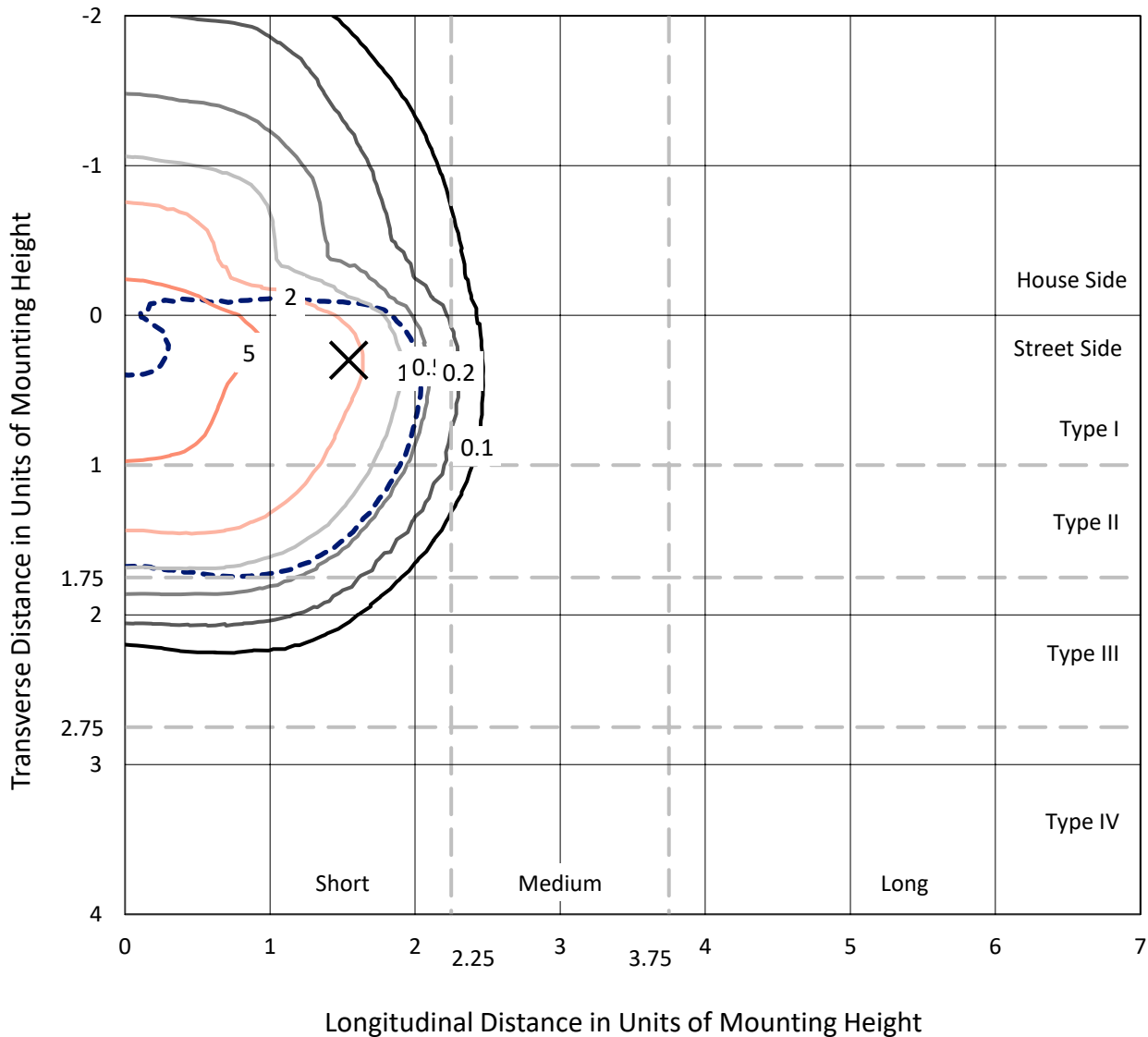
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

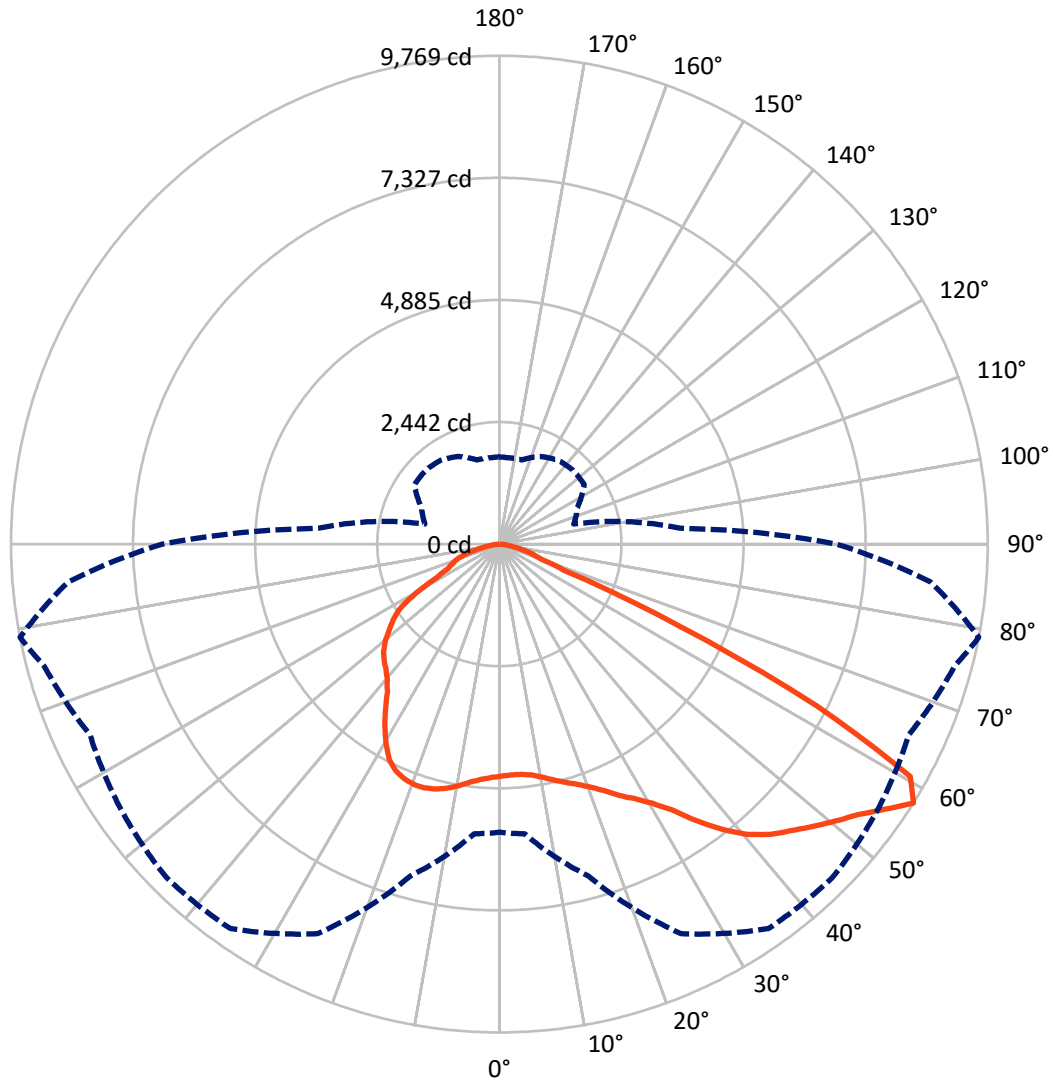
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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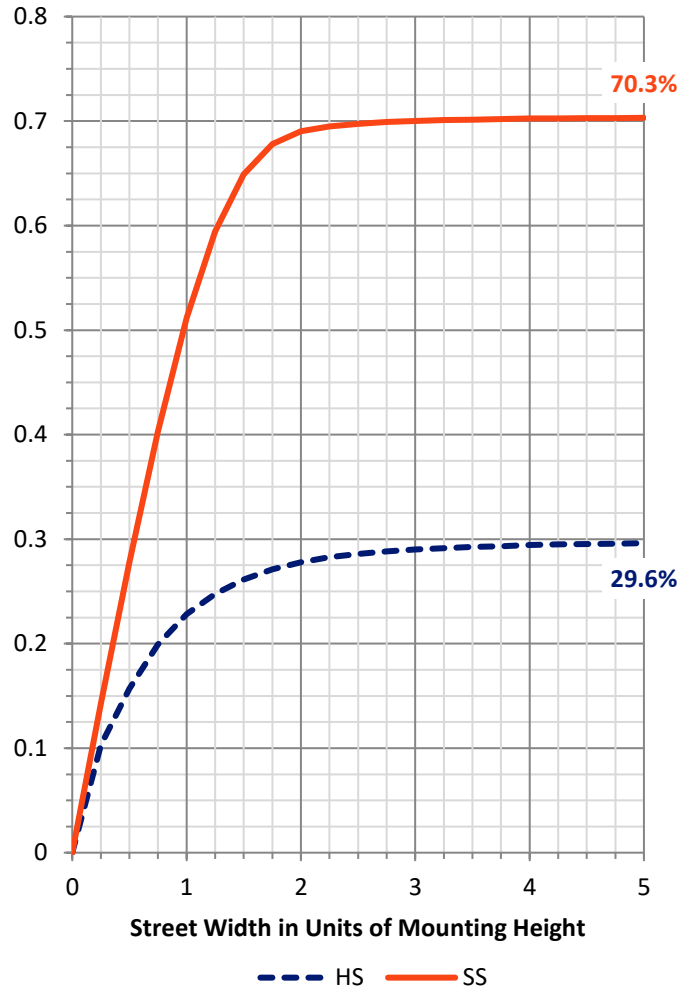
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5566.9	0.0	5566.9
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	13160.9	0.0	13160.9
	% Fixture	70.3	0.0	70.3
Total	Lumens	18727.8	0.0	18727.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.8	2.3
10°-20°	1194.4	6.4
20°-30°	2024.7	10.8
30°-40°	3099.0	16.5
40°-50°	4132.2	22.1
50°-60°	4772.4	25.5
60°-70°	2479.9	13.2
70°-80°	527.2	2.8
80°-90°	68.3	0.4
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°	18727.8	100.0
0°-180°	18727.8	100.0

Coefficient of Utilization



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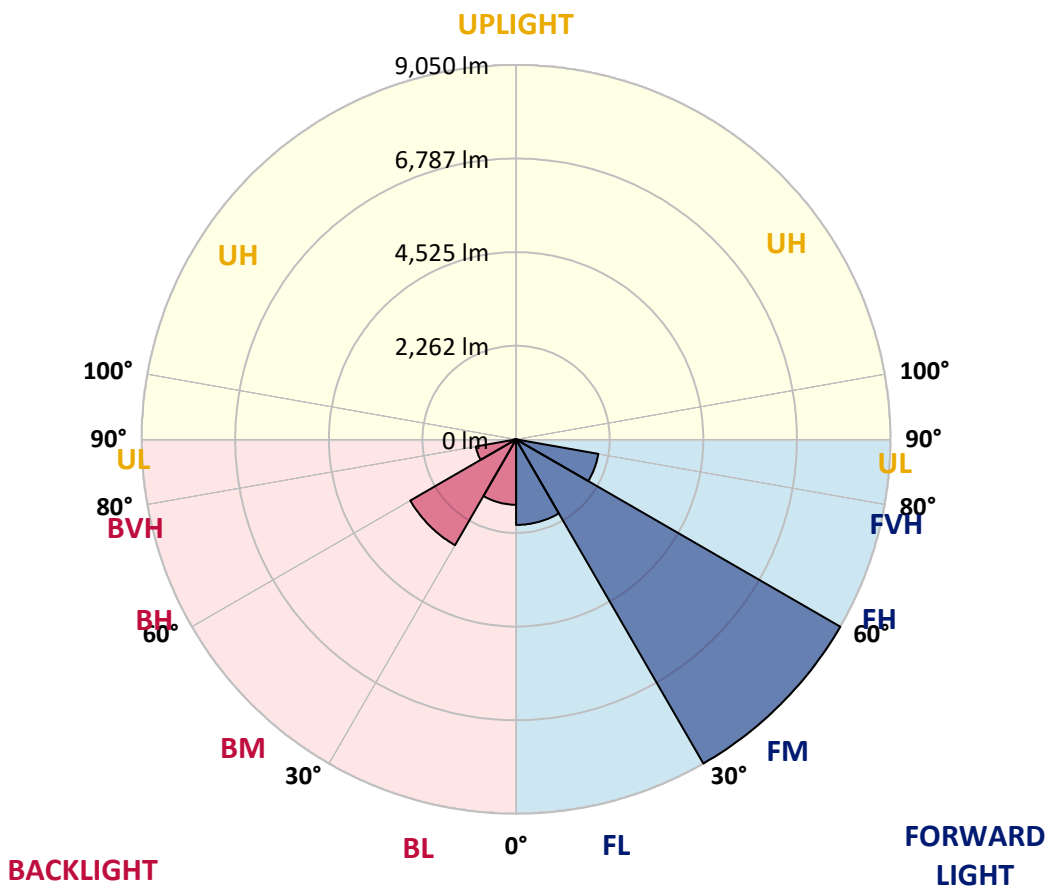
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2068.0	11.0			
FM (30°-60°)	9049.8	48.3			
FH (60°-80°)	2019.3	10.8			G2/5000
FVH (80°-90°)	23.8	0.1			G1/100
BL (0°-30°)	1580.9	8.4	B3/2500		
BM (30°-60°)	2953.8	15.8	B3/5000		
BH (60°-80°)	987.7	5.3	B2/1000		G2/1000
BVH (80°-90°)	44.5	0.2			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°	55°	65°	75°	79°	85°
0°	4641.2	4641.2	4641.2	4641.2	4641.2	4641.2	4641.2	4641.2	4641.2	4641.2	4641.2
2.5°	4429.9	4420.7	4423.7	4436.0	4481.9	4515.6	4550.8	4583.0	4613.6	4622.8	4630.5
5°	4272.2	4255.3	4259.9	4279.8	4333.4	4390.1	4452.8	4529.4	4602.9	4627.4	4659.6
7.5°	4160.4	4157.3	4165.0	4195.6	4252.2	4305.8	4387.0	4495.7	4622.8	4664.2	4720.8
10°	4011.8	4005.7	4036.3	4099.1	4192.5	4278.3	4374.7	4503.4	4681.0	4742.2	4829.5
12.5°	3893.9	3890.9	3923.0	4010.3	4129.7	4266.0	4399.2	4543.2	4759.1	4843.3	4950.5
15°	3962.8	3949.1	3950.6	4011.8	4119.0	4279.8	4460.5	4615.2	4837.2	4944.4	5082.2
17.5°	4163.4	4138.9	4120.6	4131.3	4192.5	4359.4	4553.9	4711.6	4927.5	5053.1	5221.5
20°	4440.6	4426.8	4376.3	4342.6	4356.4	4503.4	4700.9	4847.9	5045.4	5186.3	5367.0
22.5°	4812.7	4779.0	4710.1	4656.5	4615.2	4730.0	4912.2	5039.3	5209.3	5356.3	5544.6
25°	5273.6	5224.6	5115.9	5031.6	4942.8	5060.7	5223.1	5319.5	5434.4	5570.6	5749.8
27.5°	5743.7	5702.3	5581.4	5468.1	5357.8	5431.3	5624.2	5679.4	5667.1	5766.6	5919.8
30°	6244.4	6192.3	6077.5	5955.0	5812.6	5860.0	6033.1	6060.6	5930.5	6013.2	6117.3
32.5°	6772.7	6722.1	6622.6	6480.2	6319.4	6337.8	6385.3	6411.3	6287.3	6334.7	6414.4
35°	7310.1	7262.7	7161.6	7020.7	6902.8	6791.0	6671.6	6775.7	6703.8	6795.6	6789.5
37.5°	7801.7	7754.2	7691.4	7582.7	7380.6	7160.1	6884.4	7013.1	7124.8	7241.2	7221.3
40°	8133.9	8101.8	8117.1	8100.2	7839.9	7403.5	6988.6	7129.4	7434.2	7633.2	7622.5
42.5°	8420.3	8388.1	8476.9	8541.2	8235.0	7628.6	7039.1	7173.8	7631.7	7942.5	7927.2
45°	8547.4	8538.2	8685.2	8888.8	8596.4	7867.5	7169.3	7265.7	7781.8	8179.9	8121.7
47.5°	8395.8	8427.9	8717.3	9061.9	8896.5	8150.8	7435.7	7460.2	7977.7	8437.1	8273.3
50°	8094.1	8164.6	8555.0	9066.5	9115.5	8470.8	7804.7	7743.5	8241.1	8711.2	8352.9
52.5°	7654.7	7728.2	8365.2	9031.2	9241.0	8841.4	8296.2	8209.0	8573.4	8985.3	8366.7
55°	6645.6	6745.1	7930.3	8951.6	9363.5	9178.2	8850.6	8672.9	9002.1	9362.0	8503.0
57.5°	5765.1	5817.2	6870.7	8597.9	9388.0	9426.3	9245.6	9034.3	9427.8	9769.3	8656.1
60°	4230.8	4243.1	5190.9	7114.1	8636.2	9282.4	9213.5	8899.6	9225.7	9443.1	7954.8
62.5°	2390.3	2391.8	3148.2	4748.4	6451.1	7565.8	7608.7	7331.6	7057.5	7121.8	5537.0
65°	897.3	981.5	1437.8	2333.6	3719.4	4466.6	4644.2	4708.6	4252.2	3969.0	2969.1
67.5°	600.2	620.2	839.1	1200.5	1655.3	1911.0	2137.6	2143.7	1568.0	1398.0	1169.9
70°	457.8	477.7	660.0	859.0	839.1	774.8	837.6	814.6	842.2	865.1	889.6
72.5°	341.5	361.4	511.4	606.4	503.8	496.1	562.0	624.7	682.9	707.4	745.7
75°	226.6	241.9	344.5	324.6	278.7	329.2	410.4	473.2	506.8	535.9	565.0
77.5°	143.9	154.7	183.7	148.5	154.7	192.9	238.9	295.5	327.7	356.8	372.1
80°	65.8	64.3	62.8	70.4	87.3	113.3	143.9	177.6	202.1	214.4	223.6
82.5°	26.0	29.1	32.2	38.3	47.5	61.2	81.2	104.1	124.0	127.1	134.7
85°	10.7	12.2	13.8	16.8	21.4	27.6	33.7	47.5	59.7	64.3	68.9
87.5°	0.0	0.0	0.0	0.0	1.5	3.1	4.6	7.7	13.8	15.3	16.8
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°	4641.2	4641.2	4641.2	4641.2	4641.2	4641.2	4641.2	4641.2	4641.2	4641.2	4641.2
2.5°	4671.8	4651.9	4685.6	4708.6	4730.0	4707.0	4699.4	4679.5	4676.4	4676.4	4687.1
5°	4714.7	4700.9	4736.1	4749.9	4748.4	4697.8	4667.2	4627.4	4607.5	4607.5	4610.6
7.5°	4791.2	4783.6	4803.5	4782.1	4733.1	4630.5	4529.4	4445.2	4388.5	4359.4	4368.6
10°	4918.3	4909.1	4892.3	4812.7	4671.8	4459.0	4252.2	4099.1	4007.2	3955.2	3958.2
12.5°	5042.4	5027.1	4967.3	4791.2	4501.8	4163.4	3892.4	3720.9	3619.8	3558.6	3544.8
15°	5178.6	5138.8	5010.2	4681.0	4224.7	3802.1	3518.8	3333.5	3224.8	3188.0	3186.5
17.5°	5308.8	5238.4	5005.6	4485.0	3892.4	3423.8	3139.0	3024.2	3005.8	3022.7	3027.3
20°	5440.5	5327.2	4955.1	4214.0	3497.3	3047.2	2900.2	2947.6	3016.5	3062.5	3073.2
22.5°	5576.8	5400.7	4840.2	3864.8	3080.9	2793.0	2854.2	2958.4	3044.1	3105.4	3111.5
25°	5729.9	5469.6	4668.7	3437.6	2747.0	2722.5	2843.5	2953.8	3045.6	3116.1	3128.3
27.5°	5817.2	5471.1	4428.3	2998.2	2593.9	2695.0	2817.5	2921.6	3013.5	3090.0	3103.8
30°	5902.9	5429.8	4047.1	2641.4	2549.5	2662.8	2773.1	2869.5	2956.8	3031.9	3048.7
32.5°	6023.9	5391.5	3607.6	2436.2	2523.5	2632.2	2722.5	2808.3	2875.7	2909.4	2918.5
35°	6174.0	5342.5	3140.6	2347.4	2506.6	2607.7	2687.3	2733.3	2646.0	2627.6	2647.5
37.5°	6383.7	5296.6	2675.1	2309.1	2495.9	2598.5	2668.9	2551.0	2443.9	2401.0	2416.3
40°	6610.4	5270.5	2359.6	2278.5	2500.5	2607.7	2592.4	2417.8	2263.2	2172.8	2169.8
42.5°	6803.3	5230.7	2157.5	2258.6	2512.8	2642.9	2488.3	2299.9	2070.2	2016.6	2018.2
45°	6933.4	5129.6	2050.3	2237.1	2523.5	2650.6	2439.3	2137.6	1973.8	1940.1	1938.5
47.5°	6987.0	4945.9	1981.4	2203.5	2521.9	2587.8	2339.7	2070.2	1906.4	1897.2	1903.3
50°	6951.8	4644.2	1911.0	2137.6	2485.2	2521.9	2224.9	2010.5	1860.5	1911.0	1947.7
52.5°	6821.7	4253.8	1826.8	2047.3	2419.4	2446.9	2166.7	1973.8	1826.8	1894.1	1923.2
55°	6788.0	3936.8	1719.6	1929.4	2321.4	2313.7	2105.5	1955.4	1803.8	1777.8	1782.4
57.5°	6743.6	3627.5	1542.0	1718.0	2073.3	2085.5	2047.3	1934.0	1744.1	1736.4	1744.1
60°	5858.5	2780.7	1375.1	1482.2	1702.7	1768.6	1981.4	1894.1	1647.6	1615.5	1613.9
62.5°	3826.6	1684.4	1223.5	1292.4	1387.3	1463.9	1806.9	1779.3	1542.0	1522.1	1535.8
65°	2058.0	1200.5	1113.2	1154.6	1206.6	1264.8	1497.6	1584.8	1393.4	1323.0	1324.5
67.5°	1052.0	1021.3	1030.5	1059.6	1099.4	1128.5	1208.1	1284.7	1188.2	1128.5	1127.0
70°	900.4	924.9	938.6	955.5	981.5	976.9	984.6	998.4	990.7	961.6	960.1
72.5°	767.2	805.4	808.5	811.6	820.7	799.3	785.5	762.6	764.1	768.7	770.2
75°	583.4	620.2	629.3	624.7	633.9	606.4	588.0	565.0	537.5	532.9	535.9
77.5°	379.7	408.8	422.6	419.6	424.2	402.7	393.5	369.0	336.9	324.6	324.6
80°	229.7	246.5	257.2	260.3	264.9	249.6	234.3	212.8	199.1	185.3	185.3
82.5°	139.3	150.1	157.7	157.7	162.3	145.5	133.2	117.9	111.8	99.5	99.5
85°	70.4	78.1	81.2	79.6	76.6	62.8	58.2	50.5	47.5	41.3	41.3
87.5°	16.8	21.4	21.4	15.3	15.3	7.7	4.6	1.5	0.0	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)