

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: P642339

Luminaire Tested: GWS-SA6C-760-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642339
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-760-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23883.9 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

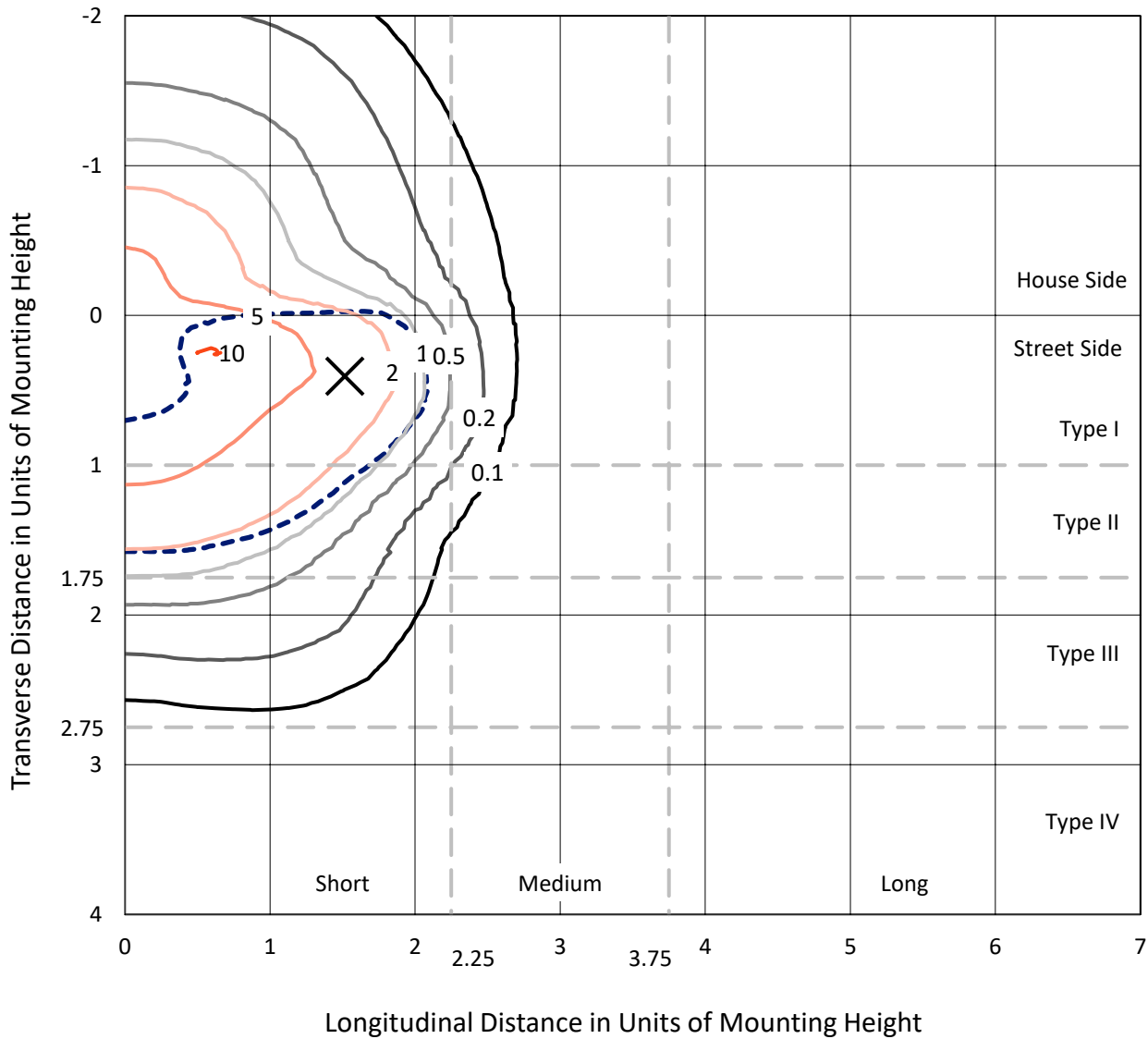
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

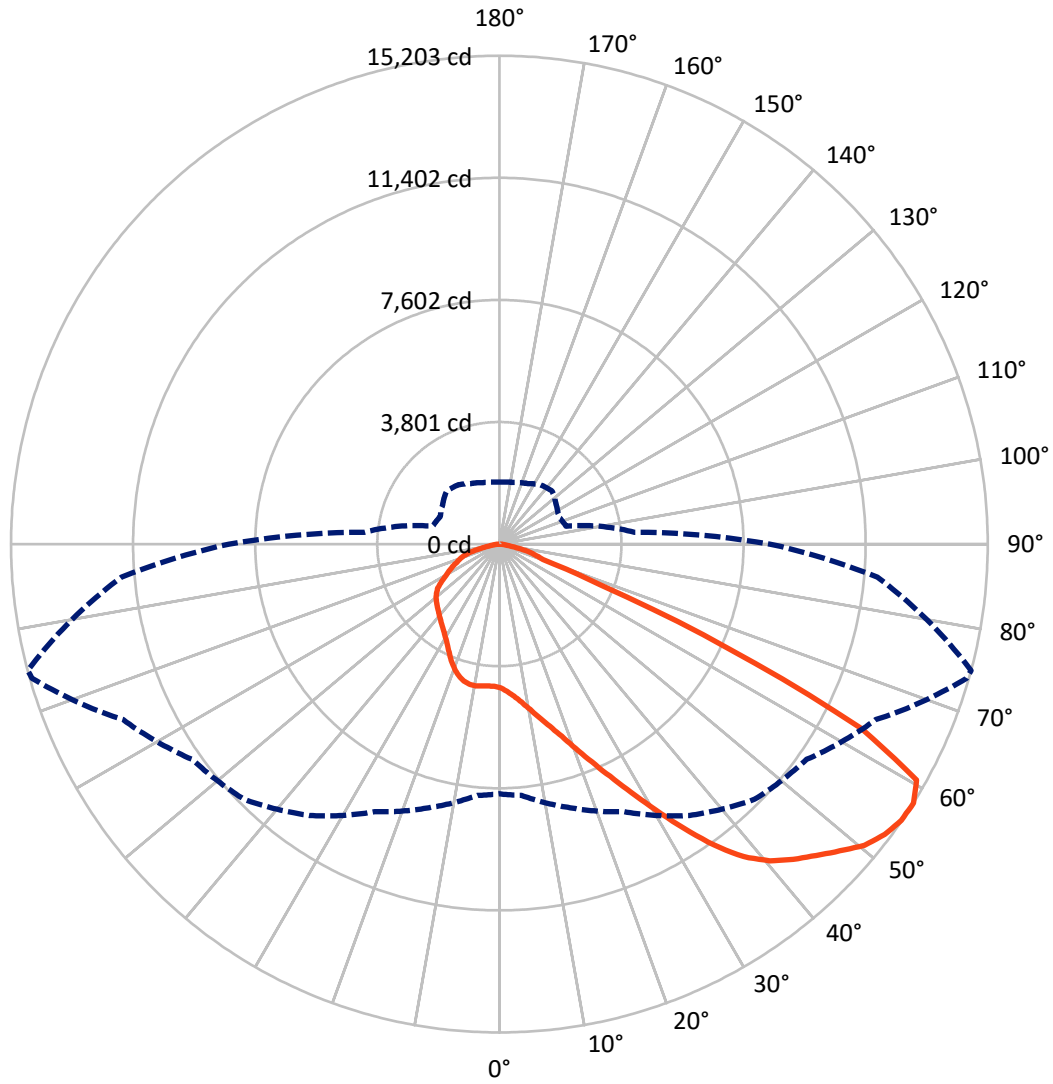
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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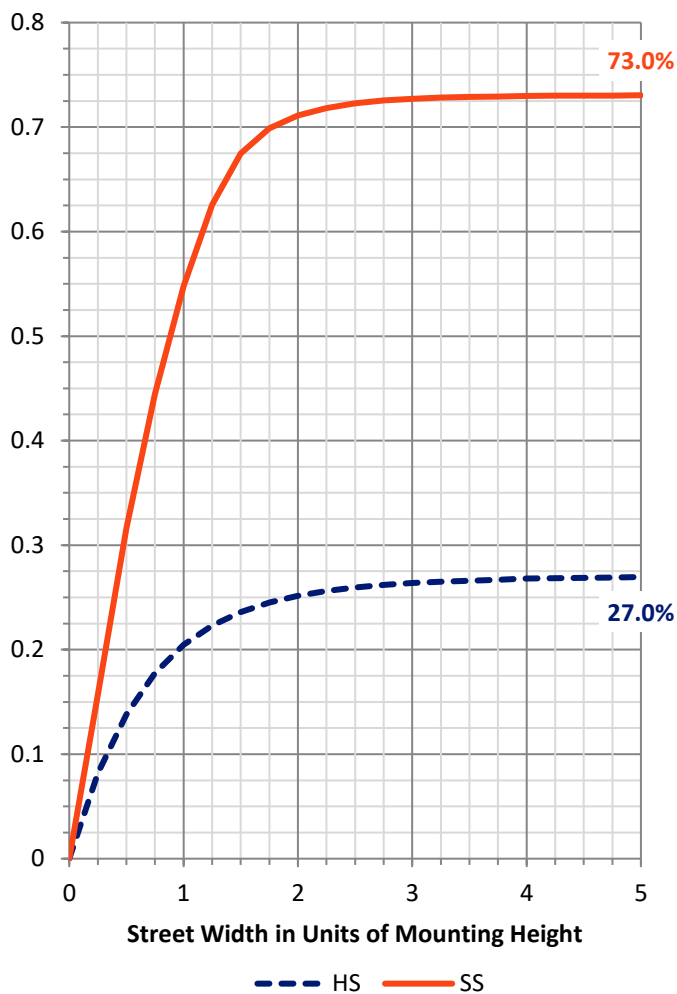
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6461.1	0.0	6461.1
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	17422.8	0.0	17422.8
	% Fixture	72.9	0.0	72.9
Total	Lumens	23883.9	0.0	23883.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	447.6	1.9
10°-20°	1425.1	6.0
20°-30°	2527.3	10.6
30°-40°	3868.9	16.2
40°-50°	5387.1	22.6
50°-60°	6172.6	25.8
60°-70°	3171.6	13.3
70°-80°	798.5	3.3
80°-90°	85.4	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°	23883.9	100.0
0°-180°	23883.9	100.0

Coefficient of Utilization



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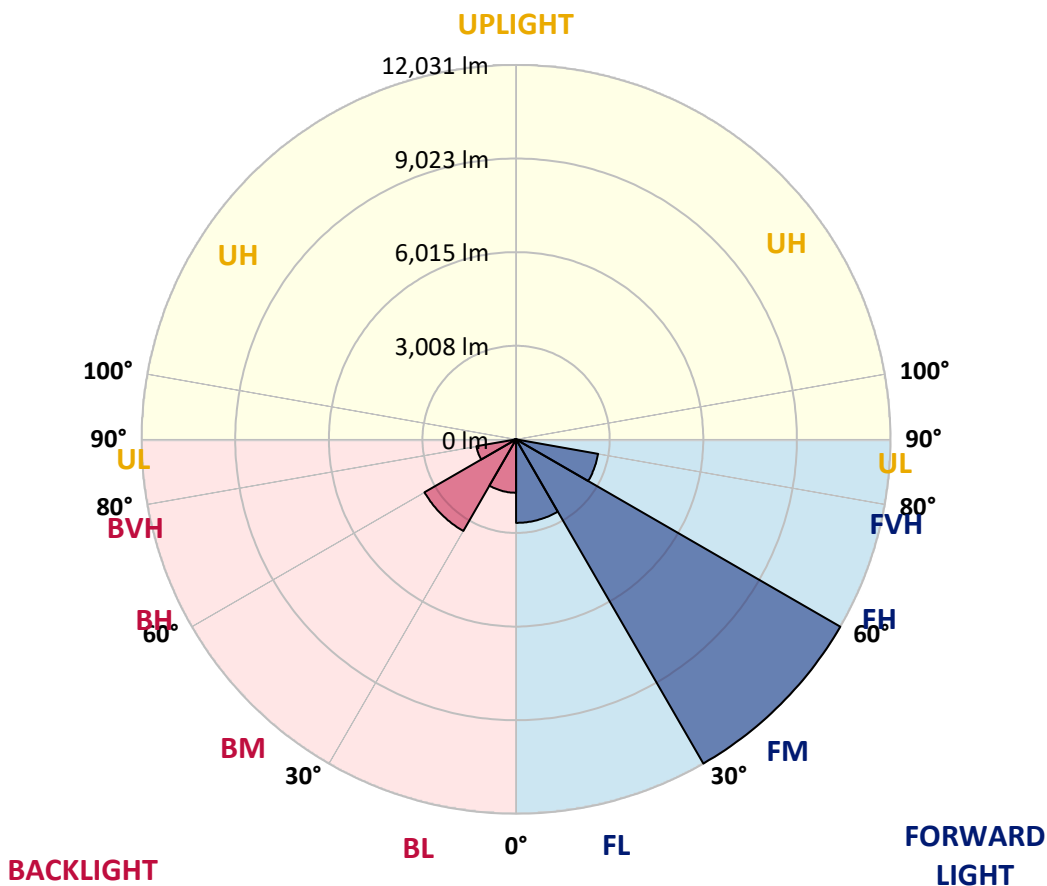
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2683.5	11.2			
FM (30°-60°)	12030.6	50.4			
FH (60°-80°)	2677.1	11.2			G2/5000
FVH (80°-90°)	31.6	0.1			G1/100
BL (0°-30°)	1716.5	7.2	B3/2500		
BM (30°-60°)	3397.9	14.2	B3/5000		
BH (60°-80°)	1292.9	5.4	B3/2500		G3/2500
BVH (80°-90°)	53.8	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	4472.9	4472.9	4472.9	4472.9	4472.9	4472.9	4472.9	4472.9	4472.9	4472.9	4472.9
2.5°	4805.6	4817.9	4805.6	4826.1	4785.0	4766.6	4721.4	4653.6	4600.2	4592.0	4532.4
5°	5179.3	5206.0	5189.6	5181.4	5125.9	5084.9	5017.1	4881.6	4770.7	4754.2	4637.2
7.5°	5419.6	5438.1	5438.1	5444.3	5423.7	5376.5	5304.6	5144.4	4988.4	4963.7	4787.1
10°	5499.7	5514.1	5540.8	5592.1	5633.2	5647.6	5600.3	5446.3	5255.3	5230.7	4984.2
12.5°	5518.2	5534.6	5575.7	5670.2	5783.1	5885.8	5894.0	5781.1	5567.5	5540.8	5212.2
15°	5553.1	5569.5	5625.0	5742.0	5908.4	6105.5	6226.7	6148.7	5912.5	5883.7	5471.0
17.5°	5549.0	5567.5	5649.6	5805.7	6029.6	6315.0	6549.1	6582.0	6337.6	6288.3	5764.6
20°	5538.7	5555.2	5643.5	5834.5	6111.7	6504.0	6927.0	7097.5	6834.6	6789.4	6107.6
22.5°	5620.9	5639.4	5707.1	5865.3	6154.8	6649.8	7276.1	7686.9	7424.0	7360.3	6501.9
25°	5805.7	5832.4	5873.5	5982.3	6232.9	6779.1	7633.5	8354.3	8085.3	8009.3	6931.1
27.5°	6091.2	6124.0	6181.5	6232.9	6407.4	6943.4	7988.8	9101.8	8832.8	8752.7	7385.0
30°	6440.3	6483.4	6557.4	6592.3	6711.4	7185.8	8374.8	9872.0	9715.9	9605.0	7896.3
32.5°	6922.9	6982.5	7052.3	7062.6	7134.4	7553.4	8756.8	10635.9	10633.9	10555.8	8477.5
35°	7551.3	7615.0	7629.4	7643.7	7678.7	8058.6	9218.9	11332.1	11601.2	11510.8	9110.1
37.5°	8237.2	8329.7	8352.3	8288.6	8337.9	8666.5	9738.5	11890.7	12443.2	12346.6	9722.0
40°	8970.4	9007.4	9069.0	8968.4	9030.0	9362.7	10247.8	12248.1	13071.6	12968.9	10204.7
42.5°	9496.1	9563.9	9656.3	9619.4	9654.3	9958.2	10605.1	12420.6	13519.3	13416.6	10551.7
45°	10067.1	10087.6	10147.2	10138.9	10159.5	10442.9	10861.8	12496.5	13919.7	13827.3	10847.5
47.5°	10564.0	10594.9	10633.9	10588.7	10543.5	10728.3	11071.3	12562.3	14381.8	14270.9	11157.6
50°	11042.6	11069.3	11116.5	10985.1	10816.7	10863.9	11174.0	12652.6	14815.1	14737.1	11401.9
52.5°	11130.9	11159.6	11381.4	11408.1	11192.5	11026.1	11354.7	12851.8	15069.8	15020.5	11490.3
55°	10019.8	10071.2	10512.7	11020.0	11551.9	11498.5	11644.3	12956.6	15170.4	15182.7	11648.4
57.5°	7777.2	7851.2	8496.0	9192.2	10311.4	11237.7	11681.2	12929.9	15135.5	15203.3	11810.6
60°	5101.3	5144.4	5908.4	6688.8	7849.1	9130.6	10455.2	12449.3	14825.4	14921.9	11769.6
62.5°	3080.5	3129.8	3743.8	4335.3	5019.2	5875.5	7091.3	10005.5	12426.7	12642.4	9426.3
65°	2150.2	2215.9	2754.0	3240.7	3476.9	3300.2	3591.9	5588.0	7742.3	7832.7	5760.5
67.5°	1558.7	1603.9	2045.4	2624.6	2885.4	2330.9	1776.4	2474.7	3372.1	3405.0	2376.1
70°	1020.7	1072.0	1472.5	1998.2	2355.6	1889.4	1328.7	1339.0	1419.1	1435.5	1380.1
72.5°	560.7	591.5	909.8	1326.7	1392.4	1129.5	1037.1	1113.1	1168.5	1168.5	1182.9
75°	289.6	316.3	371.7	437.4	527.8	618.2	747.5	860.5	920.0	924.1	918.0
77.5°	147.9	158.1	199.2	215.6	236.2	275.2	357.3	458.0	511.4	531.9	527.8
80°	69.8	73.9	84.2	98.6	121.2	154.0	193.0	230.0	262.9	267.0	289.6
82.5°	37.0	41.1	45.2	53.4	65.7	82.1	113.0	135.5	156.1	160.2	178.7
85°	14.4	16.4	18.5	20.5	28.8	34.9	47.2	63.7	78.0	78.0	92.4
87.5°	0.0	0.0	0.0	0.0	2.1	4.1	8.2	10.3	14.4	14.4	24.6
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°	4472.9	4472.9	4472.9	4472.9	4472.9	4472.9	4472.9	4472.9	4472.9	4472.9	4472.9
2.5°	4518.1	4458.5	4431.8	4388.7	4353.8	4314.7	4283.9	4261.4	4247.0	4238.8	4230.5
5°	4592.0	4501.6	4429.8	4343.5	4283.9	4226.4	4179.2	4146.3	4129.9	4117.6	4109.4
7.5°	4707.0	4585.8	4450.3	4316.8	4212.1	4119.7	4060.1	4025.2	4002.6	3994.4	3988.2
10°	4865.1	4696.7	4472.9	4261.4	4105.3	4004.6	3963.6	3947.1	3949.2	3945.1	3943.0
12.5°	5043.8	4813.8	4466.7	4162.8	3990.3	3930.7	3932.8	3959.5	3990.3	3998.5	4000.5
15°	5236.8	4928.8	4407.2	4035.5	3899.9	3906.1	3959.5	4023.1	4080.6	4103.2	4107.3
17.5°	5446.3	5025.3	4298.3	3895.8	3826.0	3891.7	3990.3	4095.0	4179.2	4216.2	4226.4
20°	5680.4	5107.5	4144.3	3758.2	3756.2	3865.0	4008.8	4146.3	4253.1	4302.4	4310.6
22.5°	5928.9	5158.8	3955.4	3630.9	3684.3	3830.1	3994.4	4138.1	4251.1	4300.4	4310.6
25°	6179.5	5175.2	3747.9	3513.8	3610.3	3774.6	3924.6	4039.6	4146.3	4189.5	4197.7
27.5°	6413.6	5128.0	3550.8	3413.2	3542.6	3692.5	3793.1	3854.7	3928.7	3961.5	3967.7
30°	6651.8	5033.5	3384.4	3333.1	3466.6	3579.5	3624.7	3628.8	3657.6	3657.6	3661.7
32.5°	6892.1	4893.9	3238.6	3255.1	3372.1	3446.0	3452.2	3405.0	3370.1	3312.6	3310.5
35°	7169.3	4752.2	3119.5	3166.8	3261.2	3306.4	3287.9	3197.6	3113.4	3018.9	3014.8
37.5°	7426.1	4606.4	3018.9	3076.4	3135.9	3168.8	3125.7	3016.8	2947.0	2850.5	2836.1
40°	7637.6	4474.9	2922.4	2981.9	3010.7	3039.4	2969.6	2881.3	2891.6	2838.2	2836.1
42.5°	7760.8	4347.6	2832.0	2877.2	2895.7	2916.2	2854.6	2788.9	2844.3	2803.3	2805.3
45°	7851.2	4236.7	2749.9	2766.3	2811.5	2842.3	2784.8	2710.8	2723.2	2565.0	2528.1
47.5°	7953.8	4175.1	2671.8	2655.4	2735.5	2788.9	2700.6	2593.8	2519.8	2363.8	2349.4
50°	8062.7	4152.5	2589.7	2544.5	2641.0	2692.4	2589.7	2456.2	2359.7	2275.5	2267.2
52.5°	8099.7	4150.5	2487.0	2411.0	2507.5	2579.4	2493.1	2357.6	2242.6	2160.5	2156.3
55°	8245.5	4210.0	2355.6	2228.2	2318.6	2466.5	2402.8	2207.7	2115.3	2078.3	2074.2
57.5°	8415.9	4220.3	2148.1	2029.0	2154.3	2328.9	2248.8	2080.4	1979.7	1934.6	1930.4
60°	8346.1	3967.7	1926.3	1877.0	2014.6	2199.5	2125.5	1979.7	1862.7	1819.5	1815.4
62.5°	6360.2	2801.2	1764.1	1745.6	1864.7	2012.6	1998.2	1846.2	1735.3	1704.5	1700.4
65°	3826.0	1967.4	1608.0	1606.0	1690.2	1831.9	1850.4	1727.1	1610.1	1566.9	1566.9
67.5°	1891.4	1505.3	1431.4	1421.1	1474.5	1575.2	1653.2	1552.6	1454.0	1412.9	1406.8
70°	1336.9	1326.7	1302.0	1273.3	1283.5	1324.6	1357.5	1273.3	1168.5	1127.5	1119.2
72.5°	1156.2	1158.3	1141.8	1119.2	1111.0	1082.3	1053.5	991.9	928.3	885.1	889.2
75°	897.5	901.6	911.8	903.6	881.0	850.2	819.4	741.4	690.0	649.0	640.7
77.5°	523.7	544.2	577.1	568.9	573.0	529.8	517.5	441.5	394.3	365.6	359.4
80°	295.7	308.0	322.4	332.7	320.4	301.9	275.2	234.1	219.7	199.2	195.1
82.5°	178.7	191.0	197.2	205.4	201.3	176.6	156.1	129.4	117.1	106.8	104.7
85°	90.4	98.6	104.7	108.8	96.5	80.1	71.9	57.5	49.3	43.1	43.1
87.5°	22.6	24.6	28.8	24.6	22.6	10.3	8.2	2.1	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)