

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: P642834

Luminaire Tested: GWS-SA6D-760-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642834
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-SA6D-760-U-T2-W-GRSW
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: 30131 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

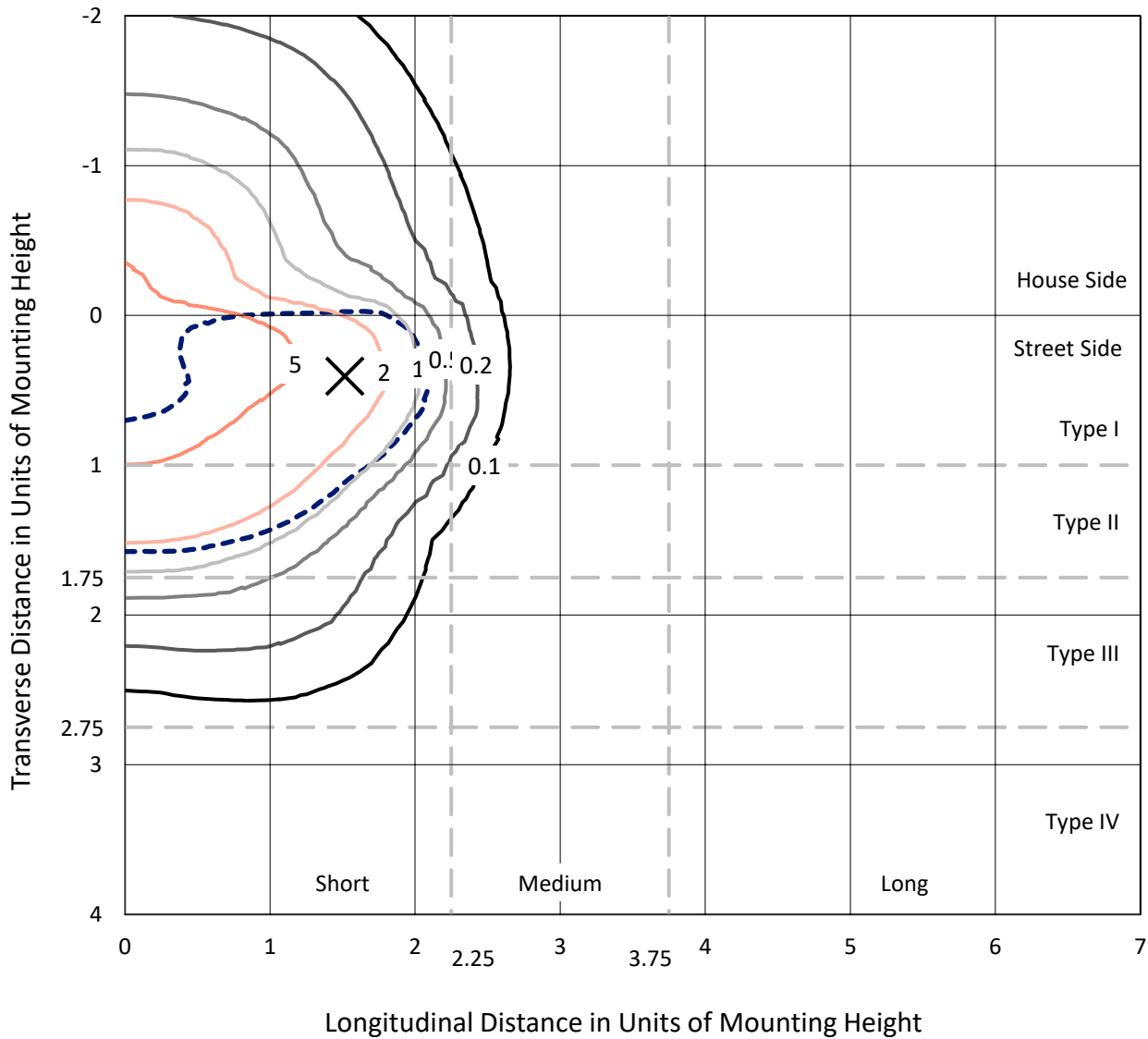
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

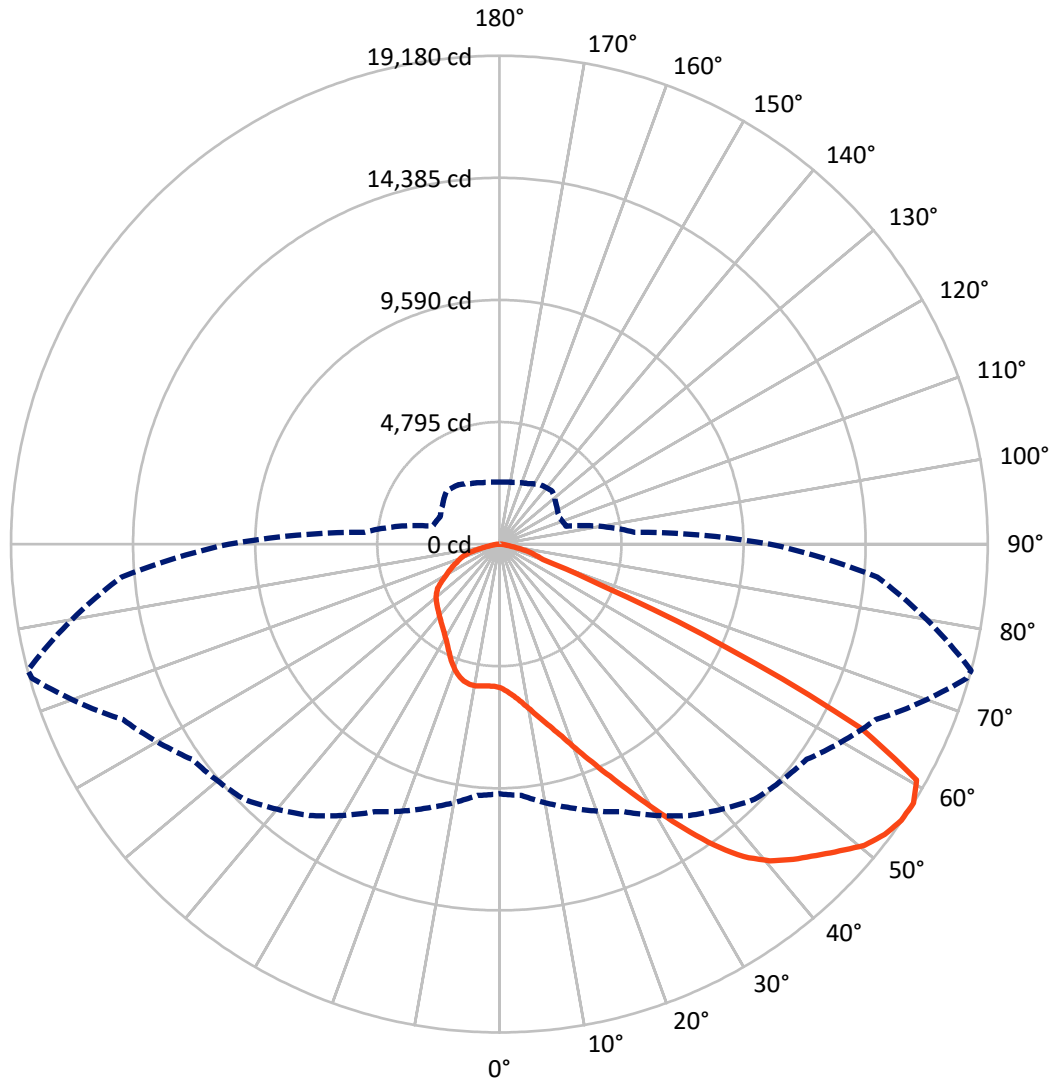
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.9 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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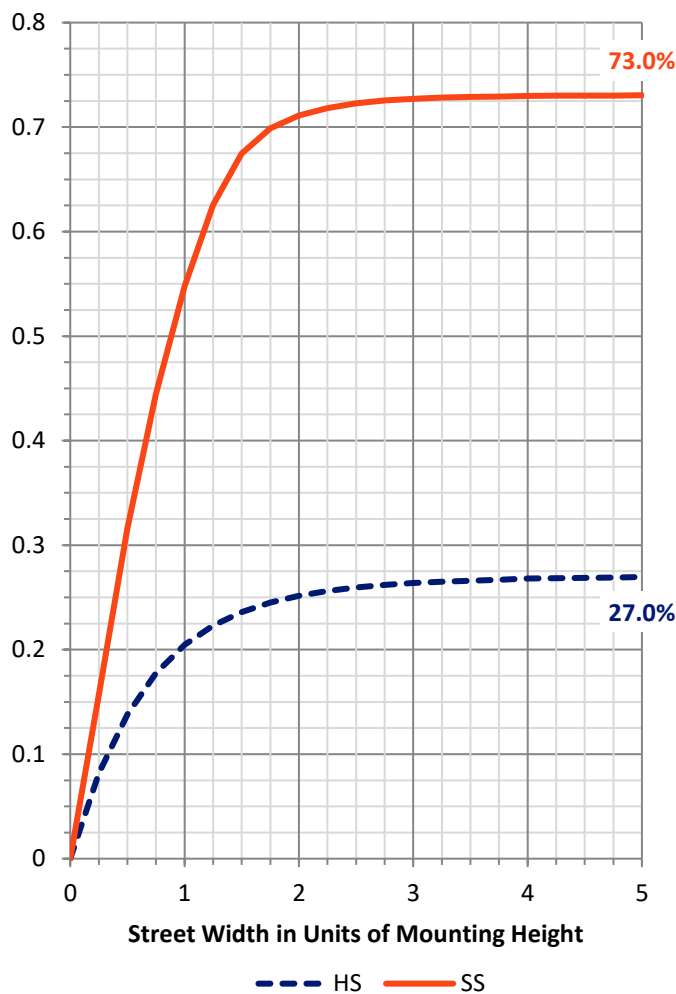
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8151.0	0.0	8151.0
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	21980.0	0.0	21980.0
	% Fixture	72.9	0.0	72.9
Total	Lumens	30131.0	0.0	30131.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	564.7	1.9
10°-20°	1797.8	6.0
20°-30°	3188.4	10.6
30°-40°	4880.8	16.2
40°-50°	6796.1	22.6
50°-60°	7787.1	25.8
60°-70°	4001.1	13.3
70°-80°	1007.3	3.3
80°-90°	107.7	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°	30131.0	100.0
0°-180°	30131.0	100.0

Coefficient of Utilization



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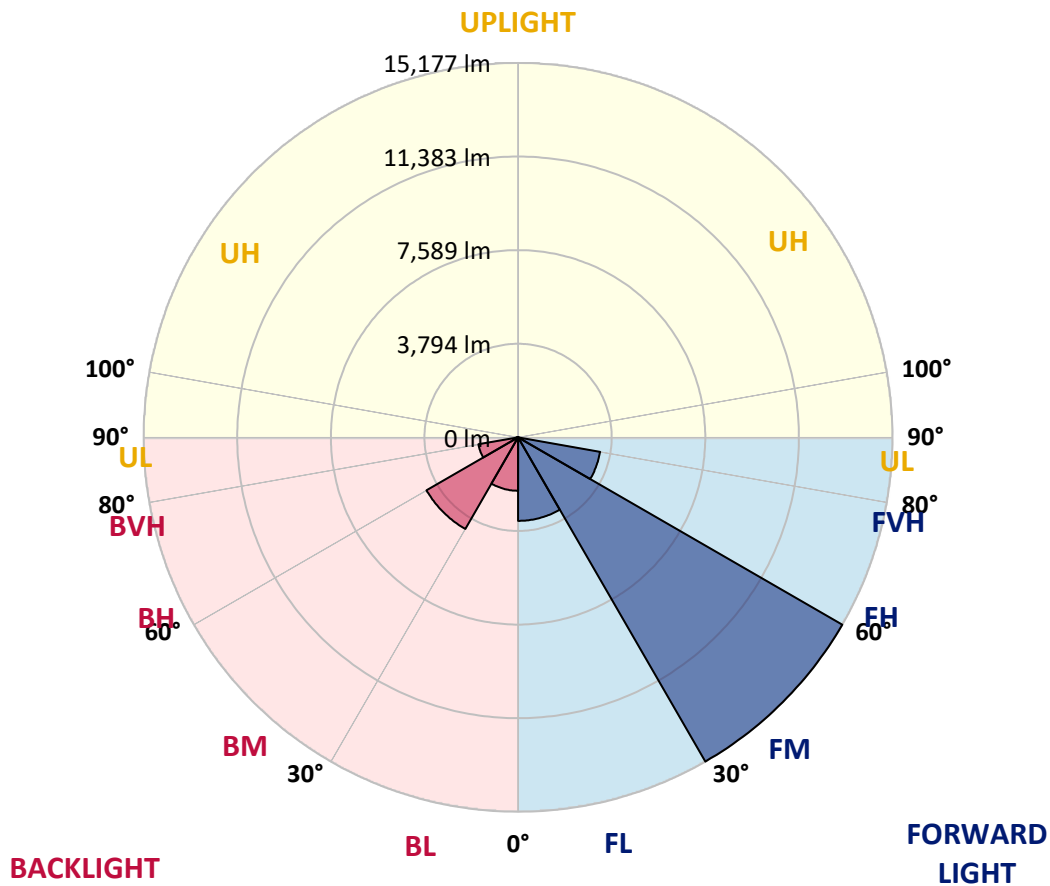
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3385.4	11.2			
FM (30°-60°)	15177.3	50.4			
FH (60°-80°)	3377.4	11.2			G2/5000
FVH (80°-90°)	39.9	0.1			G1/100
BL (0°-30°)	2165.4	7.2	B3/2500		
BM (30°-60°)	4286.7	14.2	B3/5000		
BH (60°-80°)	1631.1	5.4	B3/2500		G3/2500
BVH (80°-90°)	67.8	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°	5642.8	5642.8	5642.8	5642.8	5642.8	5642.8	5642.8	5642.8	5642.8	5642.8	5642.8
2.5°	6062.5	6078.1	6062.5	6088.4	6036.6	6013.3	5956.3	5870.8	5803.4	5793.1	5717.9
5°	6534.1	6567.7	6547.0	6536.6	6466.7	6414.9	6329.4	6158.4	6018.5	5997.8	5850.1
7.5°	6837.2	6860.5	6860.5	6868.3	6842.4	6782.8	6692.1	6490.0	6293.1	6262.0	6039.2
10°	6938.2	6956.4	6990.0	7054.8	7106.6	7124.8	7065.2	6870.9	6629.9	6598.8	6287.9
12.5°	6961.5	6982.3	7034.1	7153.3	7295.8	7425.3	7435.7	7293.2	7023.7	6990.0	6575.5
15°	7005.6	7026.3	7096.3	7243.9	7453.8	7702.5	7855.4	7756.9	7459.0	7422.7	6902.0
17.5°	7000.4	7023.7	7127.4	7324.3	7606.7	7966.8	8262.1	8303.6	7995.3	7933.1	7272.4
20°	6987.5	7008.2	7119.6	7360.5	7710.3	8205.1	8738.8	8953.9	8622.3	8565.3	7705.1
22.5°	7091.1	7114.4	7199.9	7399.4	7764.7	8389.1	9179.3	9697.5	9365.8	9285.5	8202.5
25°	7324.3	7357.9	7409.8	7547.1	7863.1	8552.3	9630.1	10539.5	10200.1	10104.2	8744.0
27.5°	7684.4	7725.8	7798.4	7863.1	8083.4	8759.6	10078.3	11482.5	11143.1	11042.1	9316.6
30°	8124.8	8179.2	8272.5	8316.5	8466.8	9065.3	10565.4	12454.1	12257.2	12117.3	9961.7
32.5°	8733.7	8808.8	8896.9	8909.8	9000.5	9529.0	11047.3	13417.9	13415.3	13316.8	10694.9
35°	9526.5	9606.8	9624.9	9643.0	9687.1	10166.4	11630.2	14296.2	14635.6	14521.6	11492.9
37.5°	10391.8	10508.4	10536.9	10456.6	10518.7	10933.3	12285.7	15000.9	15697.8	15576.0	12265.0
40°	11316.7	11363.4	11441.1	11314.1	11391.8	11811.6	12928.2	15451.7	16490.6	16361.0	12873.8
42.5°	11980.0	12065.5	12182.1	12135.4	12179.5	12562.9	13379.0	15669.3	17055.4	16925.8	13311.6
45°	12700.2	12726.1	12801.3	12790.9	12816.8	13174.3	13702.9	15765.2	17560.6	17444.0	13684.7
47.5°	13327.2	13366.1	13415.3	13358.3	13301.3	13534.5	13967.1	15848.1	18143.5	18003.6	14075.9
50°	13930.9	13964.5	14024.1	13858.3	13645.9	13705.5	14096.7	15962.1	18690.2	18591.7	14384.3
52.5°	14042.3	14078.5	14358.3	14392.0	14120.0	13910.1	14324.7	16213.4	19011.5	18949.3	14495.7
55°	12640.6	12705.4	13262.4	13902.4	14573.4	14506.0	14690.0	16345.5	19138.4	19154.0	14695.1
57.5°	9811.4	9904.7	10718.2	11596.5	13008.5	14177.0	14736.6	16311.8	19094.4	19179.9	14899.8
60°	6435.6	6490.0	7453.8	8438.3	9902.1	11518.8	13189.9	15705.6	18703.2	18824.9	14848.0
62.5°	3886.2	3948.4	4723.1	5469.2	6332.0	7412.3	8946.1	12622.5	15677.1	15949.1	11891.9
65°	2712.6	2795.5	3474.3	4088.3	4386.3	4163.5	4531.3	7049.6	9767.4	9881.4	7267.3
67.5°	1966.4	2023.4	2580.5	3311.1	3640.1	2940.6	2241.1	3121.9	4254.1	4295.6	2997.6
70°	1287.6	1352.4	1857.6	2520.9	2971.7	2383.6	1676.3	1689.2	1790.3	1811.0	1741.0
72.5°	707.3	746.2	1147.7	1673.7	1756.6	1425.0	1308.4	1404.2	1474.2	1474.2	1492.3
75°	365.3	399.0	468.9	551.8	665.8	779.8	943.1	1085.6	1160.7	1165.9	1158.1
77.5°	186.5	199.5	251.3	272.0	297.9	347.2	450.8	577.8	645.1	671.0	665.8
80°	88.1	93.3	106.2	124.4	152.9	194.3	243.5	290.2	331.6	336.8	365.3
82.5°	46.6	51.8	57.0	67.4	82.9	103.6	142.5	171.0	196.9	202.1	225.4
85°	18.1	20.7	23.3	25.9	36.3	44.0	59.6	80.3	98.5	98.5	116.6
87.5°	0.0	0.0	0.0	0.0	2.6	5.2	10.4	13.0	18.1	18.1	31.1
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°	5642.8	5642.8	5642.8	5642.8	5642.8	5642.8	5642.8	5642.8	5642.8	5642.8	5642.8
2.5°	5699.8	5624.7	5591.0	5536.6	5492.5	5443.3	5404.5	5376.0	5357.8	5347.5	5337.1
5°	5793.1	5679.1	5588.4	5479.6	5404.5	5331.9	5272.3	5230.9	5210.1	5194.6	5184.2
7.5°	5938.2	5785.3	5614.3	5445.9	5313.8	5197.2	5122.1	5078.0	5049.5	5039.2	5031.4
10°	6137.7	5925.2	5642.8	5376.0	5179.1	5052.1	5000.3	4979.6	4982.2	4977.0	4974.4
12.5°	6363.1	6072.9	5635.0	5251.6	5034.0	4958.8	4961.4	4995.1	5034.0	5044.3	5046.9
15°	6606.6	6218.0	5559.9	5091.0	4920.0	4927.7	4995.1	5075.4	5148.0	5176.5	5181.6
17.5°	6870.9	6339.7	5422.6	4914.8	4826.7	4909.6	5034.0	5166.1	5272.3	5319.0	5331.9
20°	7166.2	6443.4	5228.3	4741.2	4738.6	4875.9	5057.3	5230.9	5365.6	5427.8	5438.1
22.5°	7479.7	6508.1	4989.9	4580.6	4647.9	4831.9	5039.2	5220.5	5363.0	5425.2	5438.1
25°	7795.8	6528.9	4728.3	4432.9	4554.7	4761.9	4951.1	5096.1	5230.9	5285.3	5295.6
27.5°	8091.1	6469.3	4479.5	4305.9	4469.2	4658.3	4785.3	4863.0	4956.2	4997.7	5005.5
30°	8391.7	6350.1	4269.7	4204.9	4373.3	4515.8	4572.8	4578.0	4614.3	4614.3	4619.4
32.5°	8694.8	6173.9	4085.7	4106.5	4254.1	4347.4	4355.2	4295.6	4251.5	4179.0	4176.4
35°	9044.6	5995.2	3935.5	3995.0	4114.2	4171.2	4147.9	4033.9	3927.7	3808.5	3803.3
37.5°	9368.4	5811.2	3808.5	3881.1	3956.2	3997.6	3943.2	3805.9	3717.8	3596.1	3577.9
40°	9635.3	5645.4	3686.7	3761.9	3798.1	3834.4	3746.3	3634.9	3647.9	3580.5	3577.9
42.5°	9790.7	5484.8	3572.7	3629.7	3653.1	3679.0	3601.2	3518.3	3588.3	3536.5	3539.1
45°	9904.7	5344.9	3469.1	3489.8	3546.8	3585.7	3513.2	3419.9	3435.4	3235.9	3189.3
47.5°	10034.3	5267.1	3370.7	3349.9	3451.0	3518.3	3406.9	3272.2	3178.9	2982.0	2963.9
50°	10171.6	5238.6	3267.0	3210.0	3331.8	3396.6	3267.0	3098.6	2976.9	2870.6	2860.3
52.5°	10218.2	5236.1	3137.5	3041.6	3163.4	3254.1	3145.3	2974.3	2829.2	2725.5	2720.4
55°	10402.2	5311.2	2971.7	2811.0	2925.0	3111.6	3031.3	2785.1	2668.5	2621.9	2616.7
57.5°	10617.2	5324.1	2710.0	2559.7	2717.8	2938.0	2837.0	2624.5	2497.6	2440.6	2435.4
60°	10529.1	5005.5	2430.2	2368.0	2541.6	2774.8	2681.5	2497.6	2349.9	2295.5	2290.3
62.5°	8023.8	3533.9	2225.5	2202.2	2352.5	2539.0	2520.9	2329.2	2189.2	2150.4	2145.2
65°	4826.7	2482.0	2028.6	2026.0	2132.2	2311.0	2334.3	2178.9	2031.2	1976.8	1976.8
67.5°	2386.1	1899.1	1805.8	1792.8	1860.2	1987.2	2085.6	1958.7	1834.3	1782.5	1774.7
70°	1686.6	1673.7	1642.6	1606.3	1619.3	1671.1	1712.5	1606.3	1474.2	1422.4	1412.0
72.5°	1458.6	1461.2	1440.5	1412.0	1401.6	1365.4	1329.1	1251.4	1171.1	1116.6	1121.8
75°	1132.2	1137.4	1150.3	1140.0	1111.5	1072.6	1033.7	935.3	870.5	818.7	808.3
77.5°	660.7	686.6	728.0	717.7	722.8	668.4	652.9	557.0	497.4	461.2	453.4
80°	373.1	388.6	406.8	419.7	404.2	380.9	347.2	295.4	277.2	251.3	246.1
82.5°	225.4	240.9	248.7	259.1	253.9	222.8	196.9	163.2	147.7	134.7	132.1
85°	114.0	124.4	132.1	137.3	121.8	101.0	90.7	72.5	62.2	54.4	54.4
87.5°	28.5	31.1	36.3	31.1	28.5	13.0	10.4	2.6	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)