

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: P642842

Luminaire Tested: GWS-SA6D-760-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642842
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-760-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III 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: 30846 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

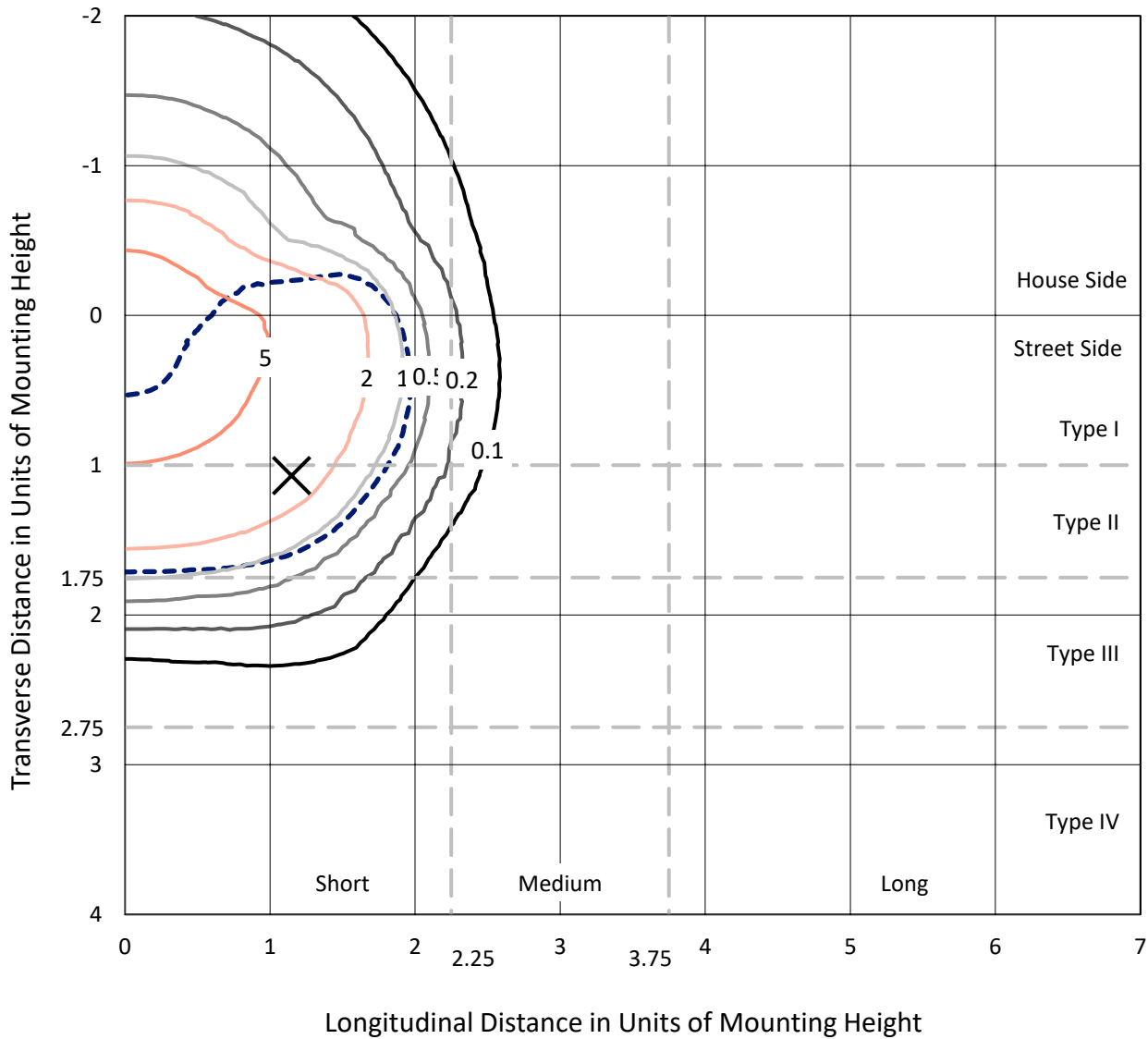
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

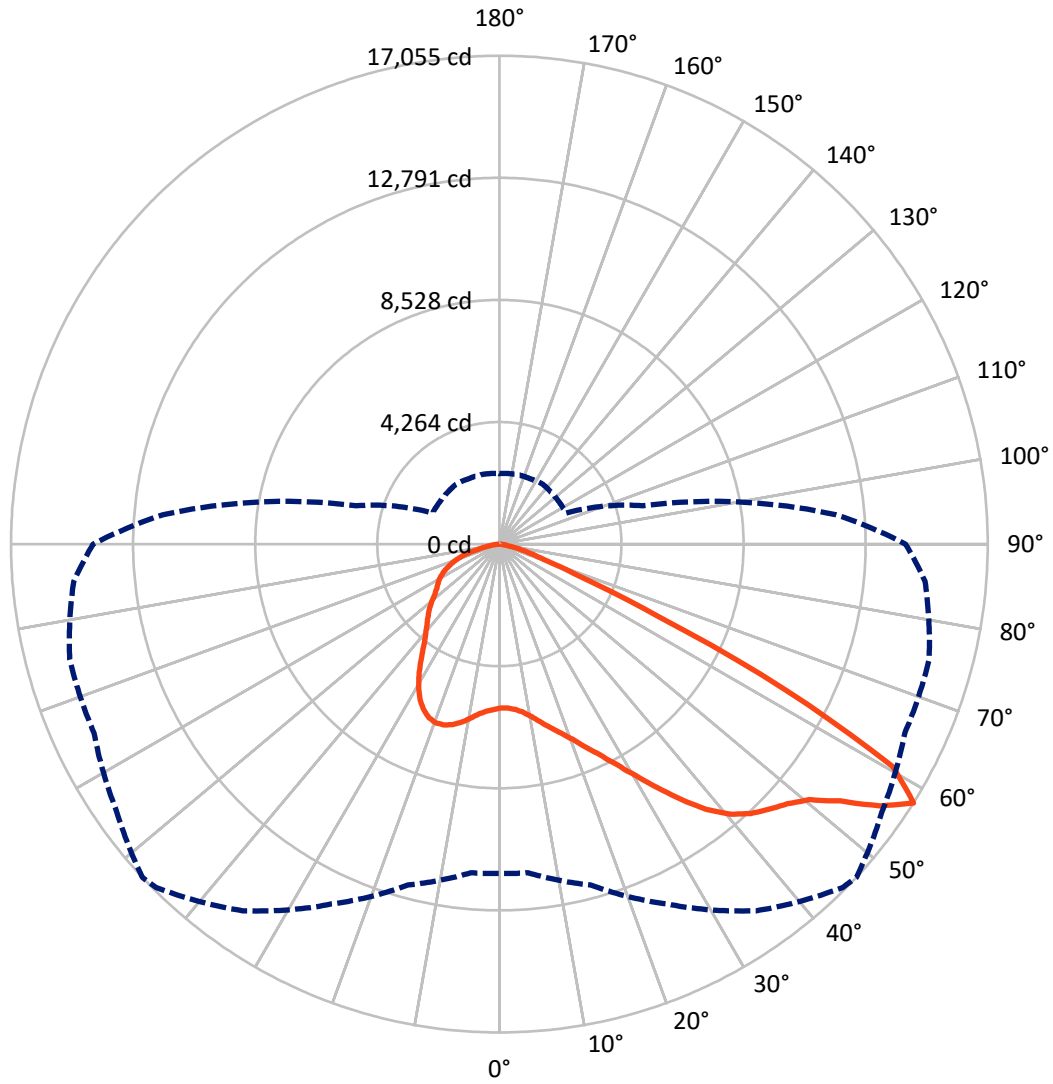
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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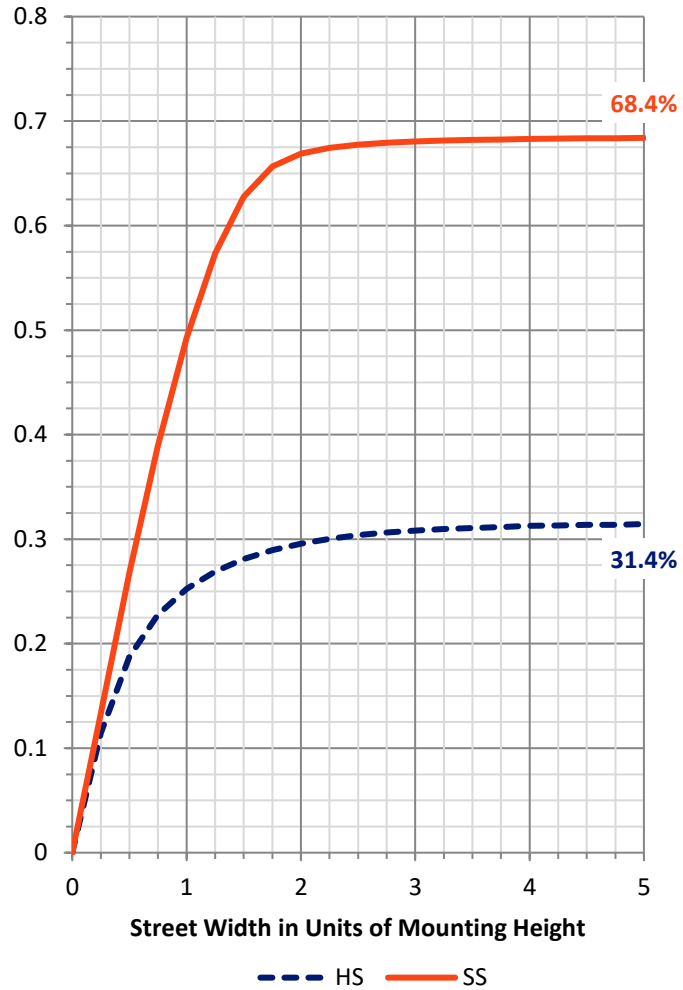
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9762.7	0.0	9762.7
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	21083.3	0.0	21083.3
	% Fixture	68.4	0.0	68.4
Total	Lumens	30846.0	0.0	30846.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	564.2	1.8
10°-20°	1855.7	6.0
20°-30°	3341.5	10.8
30°-40°	5046.9	16.4
40°-50°	6796.2	22.0
50°-60°	8166.6	26.5
60°-70°	3977.3	12.9
70°-80°	979.8	3.2
80°-90°	117.8	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°	30846.0	100.0
0°-180°	30846.0	100.0

Coefficient of Utilization



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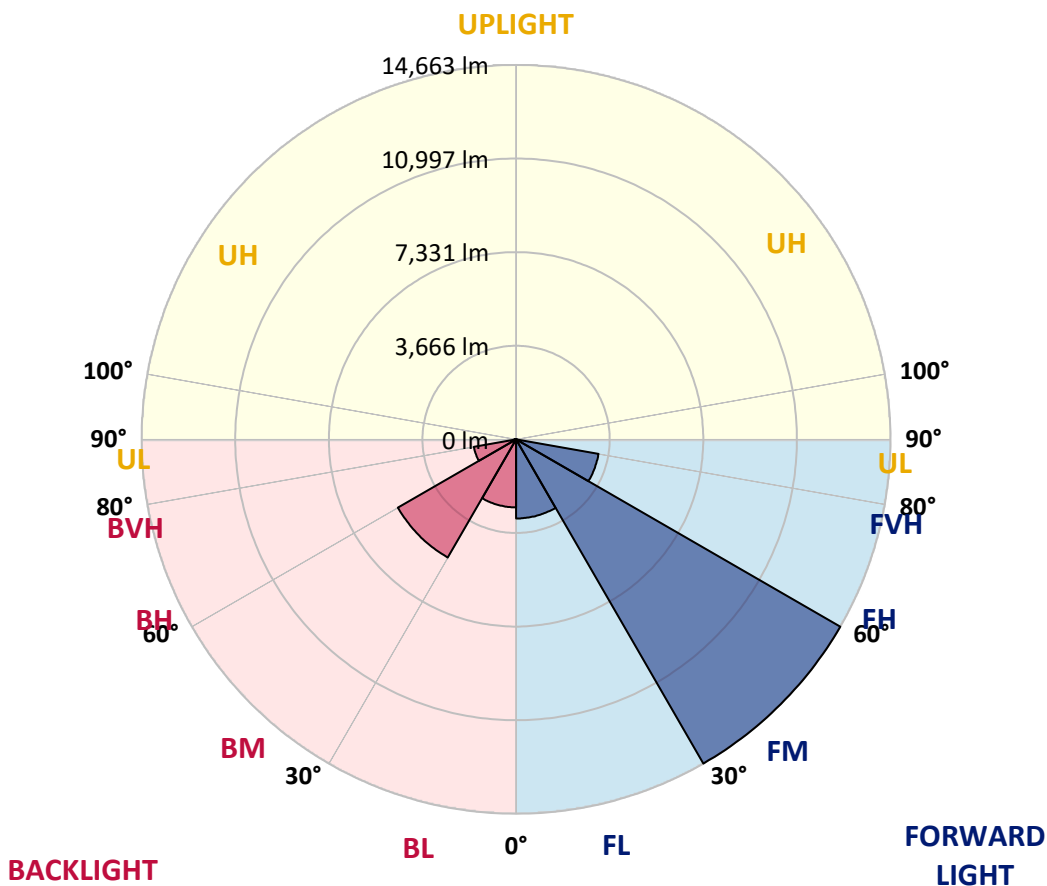
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3098.3	10.0			
FM (30°-60°)	14662.7	47.5			
FH (60°-80°)	3278.0	10.6			G2/5000
FVH (80°-90°)	44.3	0.1			G1/100
BL (0°-30°)	2663.1	8.6	B4/5000		
BM (30°-60°)	5347.0	17.3	B4/8500		
BH (60°-80°)	1679.1	5.4	B3/2500		G3/2500
BVH (80°-90°)	73.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	5720.4	5720.4	5720.4	5720.4	5720.4	5720.4	5720.4	5720.4	5720.4	5720.4	5720.4
2.5°	5710.1	5707.5	5707.5	5723.0	5723.0	5728.2	5736.0	5743.8	5746.3	5733.4	5704.9
5°	5772.3	5772.3	5772.3	5785.2	5785.2	5790.4	5800.7	5803.3	5800.7	5780.0	5751.5
7.5°	5870.7	5870.7	5873.3	5888.8	5901.8	5909.6	5927.7	5925.1	5917.3	5883.7	5847.4
10°	6031.3	6039.1	6046.9	6065.0	6090.9	6109.1	6122.0	6122.0	6111.6	6059.8	6013.2
12.5°	6259.3	6269.7	6277.5	6293.0	6313.7	6344.8	6373.3	6373.3	6360.4	6295.6	6225.6
15°	6526.2	6536.5	6533.9	6539.1	6578.0	6622.0	6645.3	6660.9	6666.1	6575.4	6466.6
17.5°	6831.9	6842.2	6831.9	6816.3	6821.5	6891.5	6932.9	6989.9	7023.6	6901.8	6728.2
20°	7109.1	7098.7	7098.7	7109.1	7124.6	7210.1	7272.3	7365.6	7407.0	7259.4	6989.9
22.5°	7401.8	7425.2	7414.8	7414.8	7477.0	7619.5	7694.6	7816.4	7860.4	7668.7	7306.0
25°	7780.1	7800.8	7795.6	7800.8	7873.4	8075.5	8150.6	8376.0	8420.0	8145.4	7655.7
27.5°	8194.6	8228.3	8243.9	8238.7	8355.3	8619.5	8712.8	9026.3	9106.6	8679.1	8028.8
30°	8733.5	8769.8	8782.7	8777.6	8914.9	9275.0	9381.2	9738.7	9852.7	9311.3	8502.9
32.5°	9357.9	9394.2	9433.0	9448.6	9624.7	9992.6	10145.5	10516.0	10679.2	10041.9	9075.5
35°	9977.1	10008.2	10083.3	10205.1	10446.0	10821.7	10956.4	11321.7	11479.7	10800.9	9767.2
37.5°	10661.0	10681.8	10746.5	10914.9	11262.1	11619.6	11754.4	12104.1	12122.2	11534.1	10549.6
40°	11409.8	11409.8	11396.8	11562.6	11925.3	12285.5	12402.0	12604.1	12497.9	12098.9	11311.3
42.5°	12044.5	12034.2	12044.5	12200.0	12469.4	12762.2	12863.2	12824.3	12689.6	12531.6	12000.5
45°	12617.1	12624.9	12718.1	12837.3	12977.2	13150.8	13210.4	12990.2	12868.4	12878.8	12552.3
47.5°	13005.7	13013.5	13231.1	13430.6	13516.1	13570.5	13544.6	13238.9	13176.7	13293.3	12977.2
50°	13057.5	13099.0	13474.6	13884.0	14096.4	14104.2	14031.6	13658.6	13640.4	13772.6	13205.2
52.5°	13067.9	13109.3	13578.3	14316.6	14868.5	14985.1	14902.1	14513.5	14324.4	14192.3	13485.0
55°	13029.0	13075.7	13593.8	14606.8	15663.8	16130.2	16137.9	15588.7	14985.1	14897.0	14283.0
57.5°	11503.0	11521.2	12324.3	13868.4	15632.7	16954.0	17055.1	16308.9	15619.8	15536.9	14922.9
60°	8013.3	8085.8	8958.9	10997.8	13132.6	15461.8	15788.2	15570.6	15109.4	14505.8	12803.6
62.5°	4013.1	4075.3	4951.0	6878.5	9057.4	10896.8	11246.6	11477.1	11586.0	10938.3	8718.0
65°	1728.0	1774.7	2318.7	3593.4	5127.1	6015.8	6137.6	6414.8	7093.5	6329.3	4697.1
67.5°	1155.5	1186.6	1463.8	2191.8	3020.8	3077.8	3059.7	3119.3	3267.0	2697.0	2121.8
70°	886.0	912.0	1098.5	1606.3	2171.1	1857.6	1759.1	1595.9	1733.2	1766.9	1720.3
72.5°	642.5	663.2	803.1	1095.9	1360.2	1186.6	1171.0	1253.9	1440.5	1492.3	1463.8
75°	414.5	424.9	510.4	601.1	702.1	761.7	792.8	943.0	1132.2	1171.0	1137.4
77.5°	277.2	285.0	334.2	386.0	399.0	401.6	411.9	479.3	608.8	681.4	673.6
80°	145.1	145.1	163.2	163.2	186.5	222.8	233.2	277.2	336.8	373.1	375.7
82.5°	57.0	59.6	70.0	77.7	93.3	114.0	121.8	145.1	176.2	202.1	225.4
85°	23.3	25.9	28.5	33.7	41.5	51.8	54.4	62.2	82.9	103.6	116.6
87.5°	0.0	0.0	2.6	2.6	5.2	7.8	7.8	10.4	13.0	23.3	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°	5720.4	5720.4	5720.4	5720.4	5720.4	5720.4	5720.4	5720.4	5720.4	5720.4	5720.4
2.5°	5738.6	5704.9	5738.6	5748.9	5777.4	5787.8	5769.7	5767.1	5767.1	5741.2	5733.4
5°	5777.4	5746.3	5780.0	5795.6	5837.0	5862.9	5868.1	5888.8	5901.8	5891.4	5888.8
7.5°	5873.3	5834.4	5870.7	5894.0	5948.4	5989.9	6008.0	6054.6	6088.3	6083.1	6080.6
10°	6041.7	5989.9	6031.3	6070.2	6129.8	6179.0	6181.6	6207.5	6241.2	6230.8	6225.6
12.5°	6236.0	6186.8	6233.4	6272.3	6342.2	6362.9	6329.3	6318.9	6324.1	6311.1	6300.8
15°	6474.4	6404.4	6445.9	6489.9	6528.8	6505.4	6432.9	6404.4	6401.8	6383.7	6373.3
17.5°	6712.7	6624.6	6655.7	6679.0	6660.9	6588.3	6497.7	6448.4	6425.1	6388.9	6378.5
20°	6948.5	6837.1	6831.9	6813.7	6730.8	6598.7	6476.9	6378.5	6318.9	6269.7	6251.5
22.5°	7217.9	7062.5	6984.7	6901.8	6720.5	6505.4	6321.5	6181.6	6085.7	6023.6	6002.8
25°	7508.1	7287.9	7127.2	6961.4	6616.8	6306.0	6049.5	5857.7	5743.8	5676.4	5653.1
27.5°	7795.6	7492.5	7251.6	6969.2	6409.6	6018.4	5673.8	5414.7	5300.7	5246.3	5228.2
30°	8184.3	7764.6	7399.3	6868.1	6137.6	5619.4	5189.3	4927.7	4852.5	4813.7	4798.1
32.5°	8632.5	8109.1	7596.2	6655.7	5790.4	5153.1	4699.7	4518.3	4466.5	4391.4	4388.8
35°	9223.2	8601.4	7782.7	6342.2	5352.5	4653.0	4324.0	4194.5	4101.2	3982.0	3971.7
37.5°	9912.3	9215.4	7883.7	5943.2	4842.2	4241.1	4044.2	3899.1	3748.9	3590.8	3570.1
40°	10624.8	9933.0	7891.5	5471.7	4342.1	3969.1	3803.3	3614.1	3427.6	3251.4	3228.1
42.5°	11373.5	10601.5	7754.2	4927.7	3932.8	3733.3	3564.9	3326.6	3116.7	2997.5	2984.6
45°	12041.9	11140.3	7443.3	4355.1	3629.7	3536.4	3321.4	3064.9	2953.5	2868.0	2849.9
47.5°	12567.9	11497.9	7023.6	3842.1	3383.6	3334.3	3054.5	2922.4	2836.9	2759.2	2741.0
50°	12826.9	11578.2	6476.9	3425.0	3155.6	3096.0	2904.3	2803.2	2746.2	2684.0	2668.5
52.5°	13148.2	11668.9	6005.4	3075.3	2932.8	2852.4	2779.9	2699.6	2658.1	2619.3	2606.3
55°	13886.6	12010.8	5756.7	2795.4	2720.3	2684.0	2673.7	2606.3	2593.4	2567.5	2544.1
57.5°	14187.1	11790.6	5168.6	2567.5	2551.9	2557.1	2583.0	2520.8	2507.9	2476.8	2461.2
60°	11409.8	8912.3	3500.1	2370.6	2412.0	2445.7	2471.6	2409.4	2391.3	2386.1	2365.4
62.5°	7311.2	5482.1	2443.1	2186.6	2248.8	2290.2	2305.8	2246.2	2233.2	2274.7	2277.3
65°	3805.9	2987.2	1981.9	1989.7	2041.5	2103.7	2134.8	2114.1	2108.9	2152.9	2155.5
67.5°	1943.1	1826.5	1728.0	1756.5	1798.0	1878.3	1950.9	2041.5	2072.6	2077.8	2080.4
70°	1655.5	1603.7	1554.5	1572.6	1616.6	1660.7	1730.6	1774.7	1722.9	1709.9	1704.7
72.5°	1409.4	1370.5	1347.2	1367.9	1391.2	1383.5	1362.7	1383.5	1391.2	1393.8	1396.4
75°	1095.9	1067.4	1049.3	1051.9	1051.9	1023.4	984.5	961.2	935.3	914.5	914.5
77.5°	671.0	676.2	694.3	691.7	689.1	678.8	639.9	619.2	557.0	538.9	538.9
80°	383.4	391.2	409.3	414.5	414.5	401.6	362.7	339.4	310.9	297.9	295.3
82.5°	233.2	243.5	253.9	259.1	261.7	246.1	212.4	194.3	178.8	165.8	165.8
85°	121.8	126.9	137.3	139.9	132.1	116.6	98.4	90.7	75.1	72.5	72.5
87.5°	33.7	36.3	41.5	33.7	31.1	23.3	13.0	10.4	5.2	2.6	2.6
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)