

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: P640359

Luminaire Tested: GWS-SA5D-760-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640359
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-SA5D-760-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25268.6 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

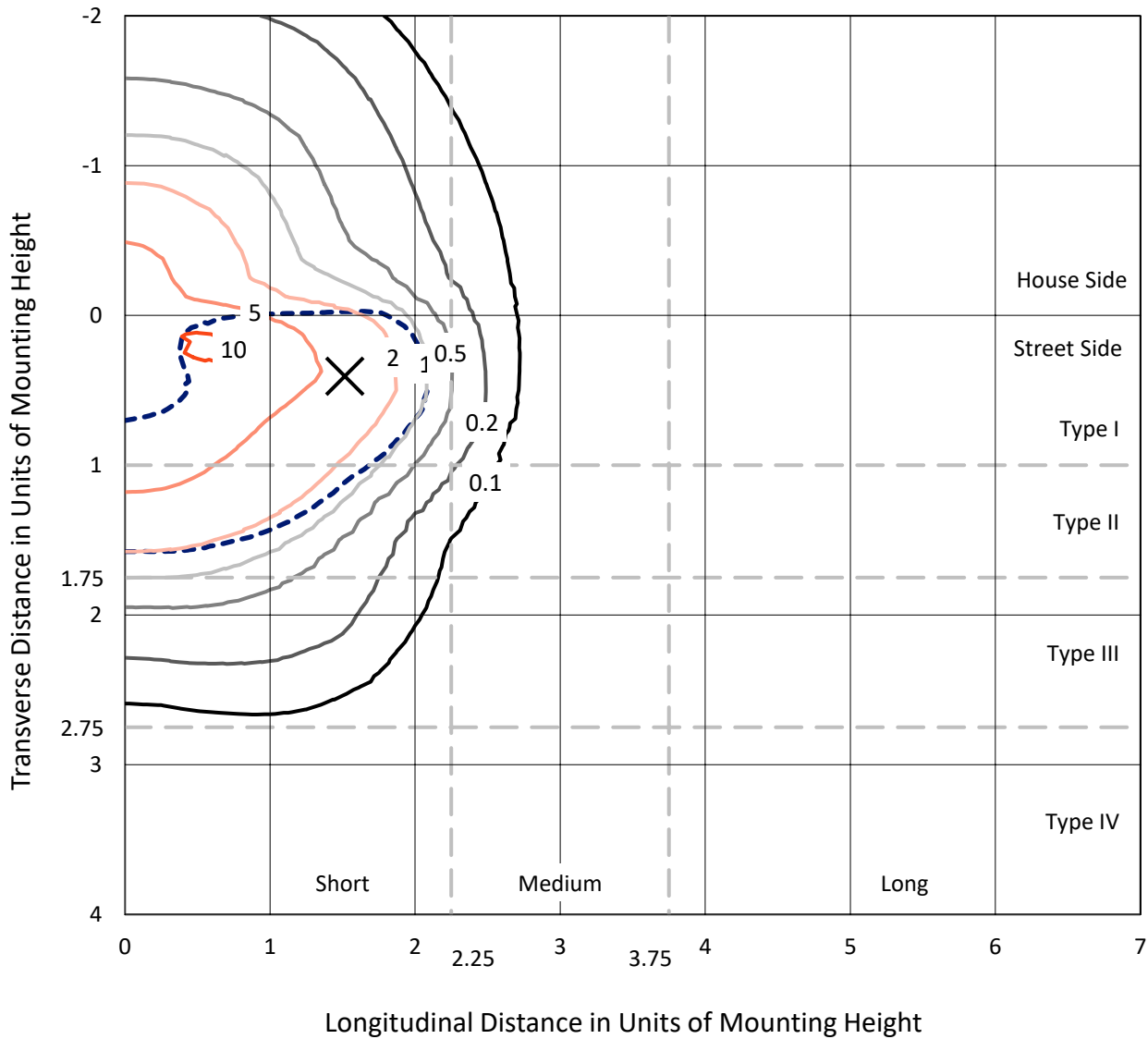
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

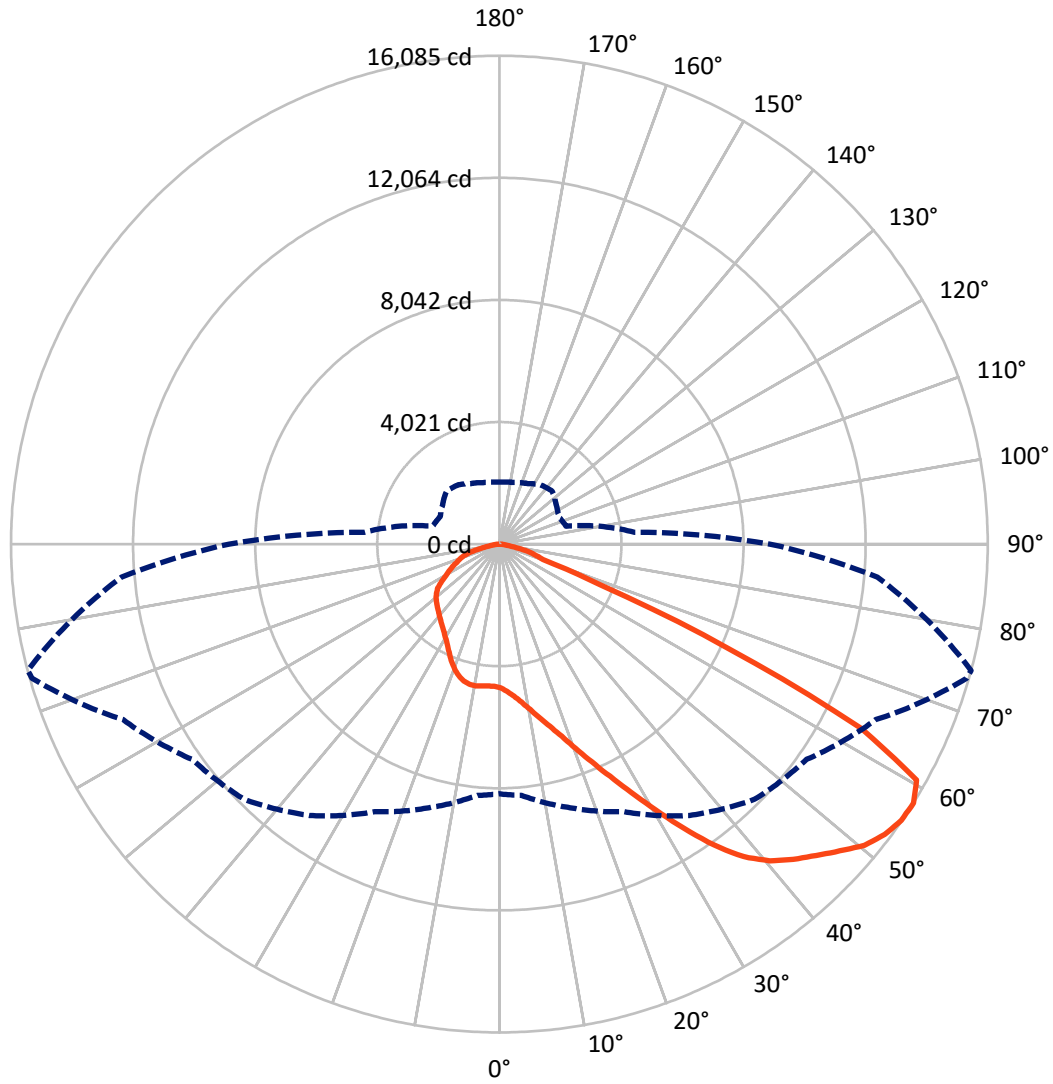
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 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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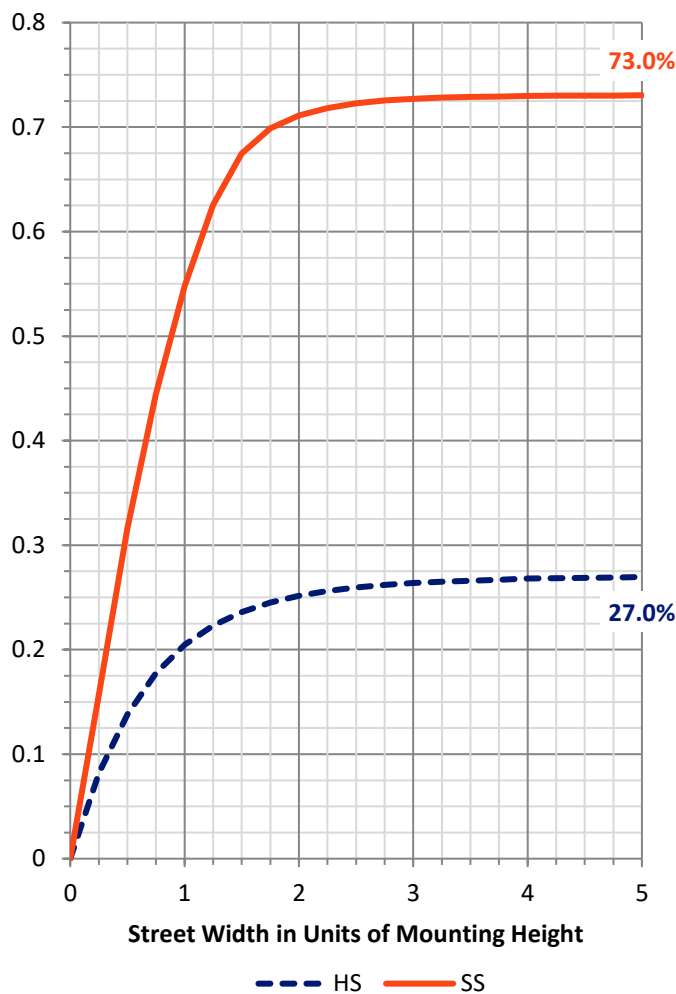
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6835.7	0.0	6835.7
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	18432.9	0.0	18432.9
	% Fixture	72.9	0.0	72.9
Total	Lumens	25268.6	0.0	25268.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	473.5	1.9
10°-20°	1507.7	6.0
20°-30°	2673.8	10.6
30°-40°	4093.2	16.2
40°-50°	5699.4	22.6
50°-60°	6530.4	25.8
60°-70°	3355.4	13.3
70°-80°	844.8	3.3
80°-90°	90.3	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°	25268.6	100.0
0°-180°	25268.6	100.0

Coefficient of Utilization



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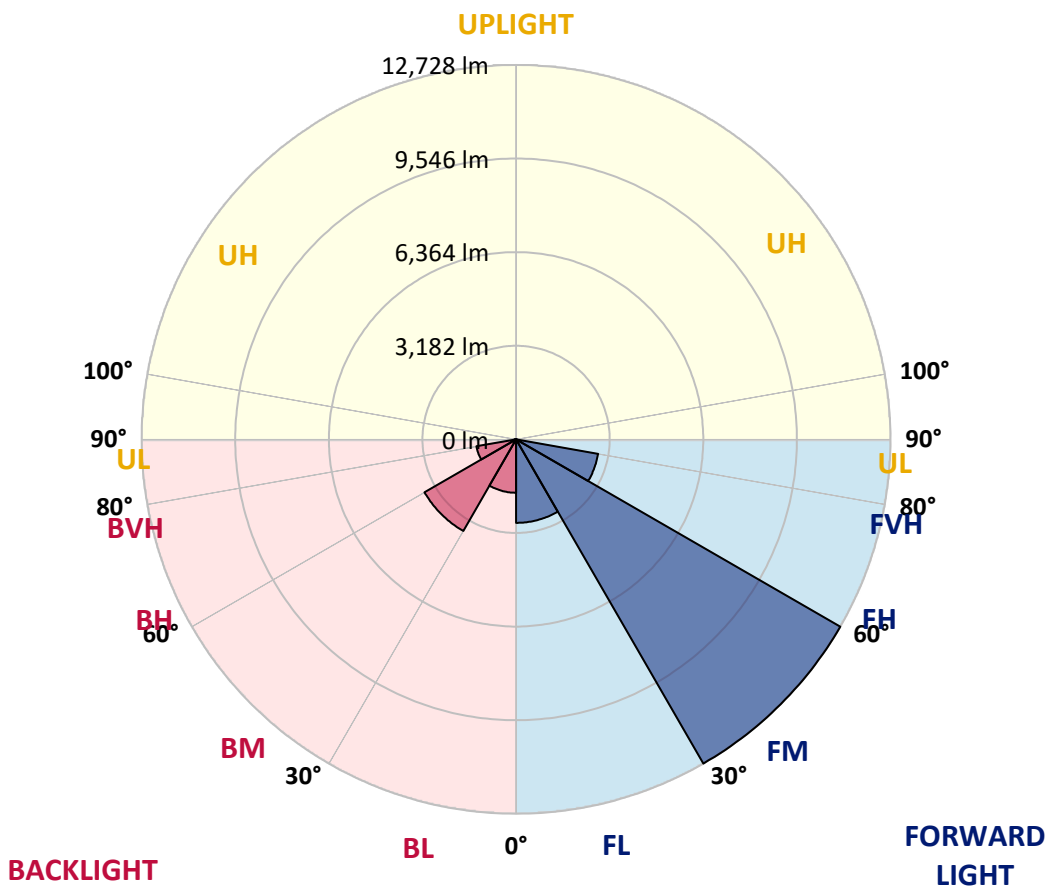
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2839.1	11.2			
FM (30°-60°)	12728.1	50.4			
FH (60°-80°)	2832.3	11.2			G2/5000
FVH (80°-90°)	33.4	0.1			G1/100
BL (0°-30°)	1816.0	7.2	B3/2500		
BM (30°-60°)	3594.9	14.2	B3/5000		
BH (60°-80°)	1367.9	5.4	B3/2500		G3/2500
BVH (80°-90°)	56.9	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°	4732.2	4732.2	4732.2	4732.2	4732.2	4732.2	4732.2	4732.2	4732.2	4732.2	4732.2
2.5°	5084.2	5097.2	5084.2	5105.9	5062.5	5042.9	4995.1	4923.4	4866.9	4858.2	4795.2
5°	5479.6	5507.9	5490.5	5481.8	5423.1	5379.7	5308.0	5164.6	5047.2	5029.9	4906.0
7.5°	5733.8	5753.4	5753.4	5759.9	5738.2	5688.2	5612.2	5442.7	5277.6	5251.5	5064.6
10°	5818.6	5833.8	5862.0	5916.3	5959.8	5975.0	5925.0	5762.1	5560.0	5533.9	5273.2
12.5°	5838.1	5855.5	5899.0	5998.9	6118.4	6227.0	6235.7	6116.2	5890.3	5862.0	5514.4
15°	5875.1	5892.4	5951.1	6074.9	6250.9	6459.5	6587.7	6505.1	6255.3	6224.9	5788.1
17.5°	5870.7	5890.3	5977.2	6142.3	6379.1	6681.1	6928.8	6963.6	6705.0	6652.9	6098.8
20°	5859.8	5877.2	5970.7	6172.7	6466.0	6881.0	7328.6	7508.9	7230.8	7183.0	6461.7
22.5°	5946.8	5966.3	6038.0	6205.3	6511.7	7035.3	7698.0	8132.5	7854.4	7787.1	6878.9
25°	6142.3	6170.5	6214.0	6329.2	6594.2	7172.2	8076.0	8838.7	8554.0	8473.6	7333.0
27.5°	6444.3	6479.1	6539.9	6594.2	6778.9	7346.0	8451.9	9629.5	9344.9	9260.2	7813.1
30°	6813.7	6859.3	6937.5	6974.5	7100.5	7602.4	8860.4	10444.3	10279.2	10161.9	8354.1
32.5°	7324.3	7387.3	7461.1	7472.0	7548.1	7991.3	9264.5	11252.6	11250.4	11167.8	8969.0
35°	7989.1	8056.5	8071.7	8086.9	8123.8	8525.8	9753.4	11989.1	12273.7	12178.1	9638.2
37.5°	8714.8	8812.6	8836.5	8769.1	8821.3	9168.9	10303.1	12580.1	13164.6	13062.4	10285.7
40°	9490.5	9529.6	9594.8	9488.3	9553.5	9905.5	10841.9	12958.2	13829.4	13720.8	10796.3
42.5°	10046.7	10118.4	10216.2	10177.1	10214.0	10535.6	11220.0	13140.7	14303.1	14194.4	11163.5
45°	10650.7	10672.4	10735.5	10726.8	10748.5	11048.3	11491.6	13221.1	14726.8	14629.0	11476.4
47.5°	11176.5	11209.1	11250.4	11202.6	11154.8	11350.3	11713.2	13290.6	15215.6	15098.3	11804.4
50°	11682.8	11711.0	11761.0	11621.9	11443.8	11493.7	11821.8	13386.2	15674.1	15591.5	12063.0
52.5°	11776.2	11806.6	12041.3	12069.5	11841.4	11665.4	12013.0	13596.9	15943.5	15891.3	12156.4
55°	10600.7	10655.1	11122.2	11658.9	12221.6	12165.1	12319.4	13707.7	16049.9	16063.0	12323.7
57.5°	8228.1	8306.3	8988.6	9725.1	10909.3	11889.2	12358.5	13679.5	16013.0	16084.7	12495.4
60°	5397.1	5442.7	6250.9	7076.6	8304.2	9659.9	11061.4	13171.1	15684.9	15787.0	12451.9
62.5°	3259.1	3311.2	3960.9	4586.6	5310.1	6216.2	7502.4	10585.5	13147.2	13375.3	9972.8
65°	2274.8	2344.4	2913.6	3428.6	3678.4	3491.6	3800.1	5912.0	8191.2	8286.8	6094.5
67.5°	1649.1	1696.9	2164.0	2776.7	3052.7	2466.0	1879.4	2618.1	3567.6	3602.4	2513.8
70°	1079.8	1134.2	1557.8	2114.1	2492.1	1998.9	1405.8	1416.6	1501.4	1518.7	1460.1
72.5°	593.2	625.7	962.5	1403.6	1473.1	1195.0	1097.2	1177.6	1236.3	1236.3	1251.5
75°	306.4	334.6	393.3	462.8	558.4	654.0	790.9	910.4	973.4	977.7	971.2
77.5°	156.4	167.3	210.8	228.1	249.9	291.1	378.1	484.5	541.0	562.7	558.4
80°	73.9	78.2	89.1	104.3	128.2	163.0	204.2	243.3	278.1	282.5	306.4
82.5°	39.1	43.5	47.8	56.5	69.5	86.9	119.5	143.4	165.1	169.5	189.0
85°	15.2	17.4	19.6	21.7	30.4	36.9	50.0	67.4	82.6	82.6	97.8
87.5°	0.0	0.0	0.0	0.0	2.2	4.3	8.7	10.9	15.2	15.2	26.1
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°	4732.2	4732.2	4732.2	4732.2	4732.2	4732.2	4732.2	4732.2	4732.2	4732.2	4732.2
2.5°	4780.0	4717.0	4688.7	4643.1	4606.2	4564.9	4532.3	4508.4	4493.2	4484.5	4475.8
5°	4858.2	4762.6	4686.6	4595.3	4532.3	4471.5	4421.5	4386.7	4369.4	4356.3	4347.6
7.5°	4979.9	4851.7	4708.3	4567.1	4456.3	4358.5	4295.5	4258.5	4234.6	4226.0	4219.4
10°	5147.2	4969.0	4732.2	4508.4	4343.3	4236.8	4193.4	4176.0	4178.2	4173.8	4171.6
12.5°	5336.2	5092.9	4725.7	4404.1	4221.6	4158.6	4160.8	4189.0	4221.6	4230.3	4232.5
15°	5540.5	5214.5	4662.7	4269.4	4126.0	4132.5	4189.0	4256.4	4317.2	4341.1	4345.5
17.5°	5762.1	5316.7	4547.5	4121.7	4047.8	4117.3	4221.6	4332.4	4421.5	4460.6	4471.5
20°	6009.8	5403.6	4384.6	3976.1	3973.9	4089.1	4241.2	4386.7	4499.7	4551.9	4560.6
22.5°	6272.7	5457.9	4184.7	3841.4	3897.9	4052.1	4226.0	4378.0	4497.5	4549.7	4560.6
25°	6537.7	5475.3	3965.2	3717.5	3819.7	3993.5	4152.1	4273.8	4386.7	4432.4	4441.1
27.5°	6785.4	5425.3	3756.6	3611.1	3748.0	3906.6	4013.0	4078.2	4156.4	4191.2	4197.7
30°	7037.5	5325.4	3580.7	3526.3	3667.6	3787.1	3834.9	3839.2	3869.6	3869.6	3874.0
32.5°	7291.7	5177.6	3426.4	3443.8	3567.6	3645.8	3652.4	3602.4	3565.4	3504.6	3502.4
35°	7585.0	5027.7	3300.4	3350.3	3450.3	3498.1	3478.5	3382.9	3293.9	3193.9	3189.6
37.5°	7856.6	4873.4	3193.9	3254.7	3317.8	3352.5	3306.9	3191.7	3117.9	3015.7	3000.5
40°	8080.4	4734.4	3091.8	3154.8	3185.2	3215.6	3141.8	3048.3	3059.2	3002.7	3000.5
42.5°	8210.7	4599.7	2996.2	3044.0	3063.5	3085.3	3020.1	2950.6	3009.2	2965.8	2967.9
45°	8306.3	4482.3	2909.3	2926.7	2974.5	3007.1	2946.2	2868.0	2881.0	2713.7	2674.6
47.5°	8415.0	4417.2	2826.7	2809.3	2894.1	2950.6	2857.1	2744.2	2665.9	2500.8	2485.6
50°	8530.1	4393.3	2739.8	2692.0	2794.1	2848.4	2739.8	2598.6	2496.5	2407.4	2398.7
52.5°	8569.2	4391.1	2631.2	2550.8	2652.9	2728.9	2637.7	2494.3	2372.6	2285.7	2281.4
55°	8723.5	4454.1	2492.1	2357.4	2453.0	2609.4	2542.1	2335.7	2237.9	2198.8	2194.5
57.5°	8903.8	4465.0	2272.7	2146.7	2279.2	2463.9	2379.1	2201.0	2094.5	2046.7	2042.4
60°	8830.0	4197.7	2038.0	1985.9	2131.4	2327.0	2248.8	2094.5	1970.7	1925.0	1920.7
62.5°	6728.9	2963.6	1866.4	1846.8	1972.8	2129.3	2114.1	1953.3	1836.0	1803.4	1799.0
65°	4047.8	2081.5	1701.2	1699.1	1788.2	1938.1	1957.6	1827.3	1703.4	1657.8	1657.8
67.5°	2001.1	1592.6	1514.4	1503.5	1560.0	1666.5	1749.0	1642.6	1538.3	1494.8	1488.3
70°	1414.4	1403.6	1377.5	1347.1	1358.0	1401.4	1436.2	1347.1	1236.3	1192.8	1184.1
72.5°	1223.2	1225.4	1208.0	1184.1	1175.4	1145.0	1114.6	1049.4	982.1	936.4	940.8
75°	949.5	953.8	964.7	956.0	932.1	899.5	866.9	784.4	730.0	686.6	677.9
77.5°	554.0	575.8	610.5	601.8	606.2	560.6	547.5	467.1	417.2	386.7	380.2
80°	312.9	325.9	341.1	352.0	338.9	319.4	291.1	247.7	232.5	210.8	206.4
82.5°	189.0	202.1	208.6	217.3	212.9	186.9	165.1	136.9	123.8	113.0	110.8
85°	95.6	104.3	110.8	115.2	102.1	84.7	76.0	60.8	52.1	45.6	45.6
87.5°	23.9	26.1	30.4	26.1	23.9	10.9	8.7	2.2	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)