

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: P641742

Luminaire Tested: GWS-SA6B-740-U-T3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641742  
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-SA6B-740-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) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

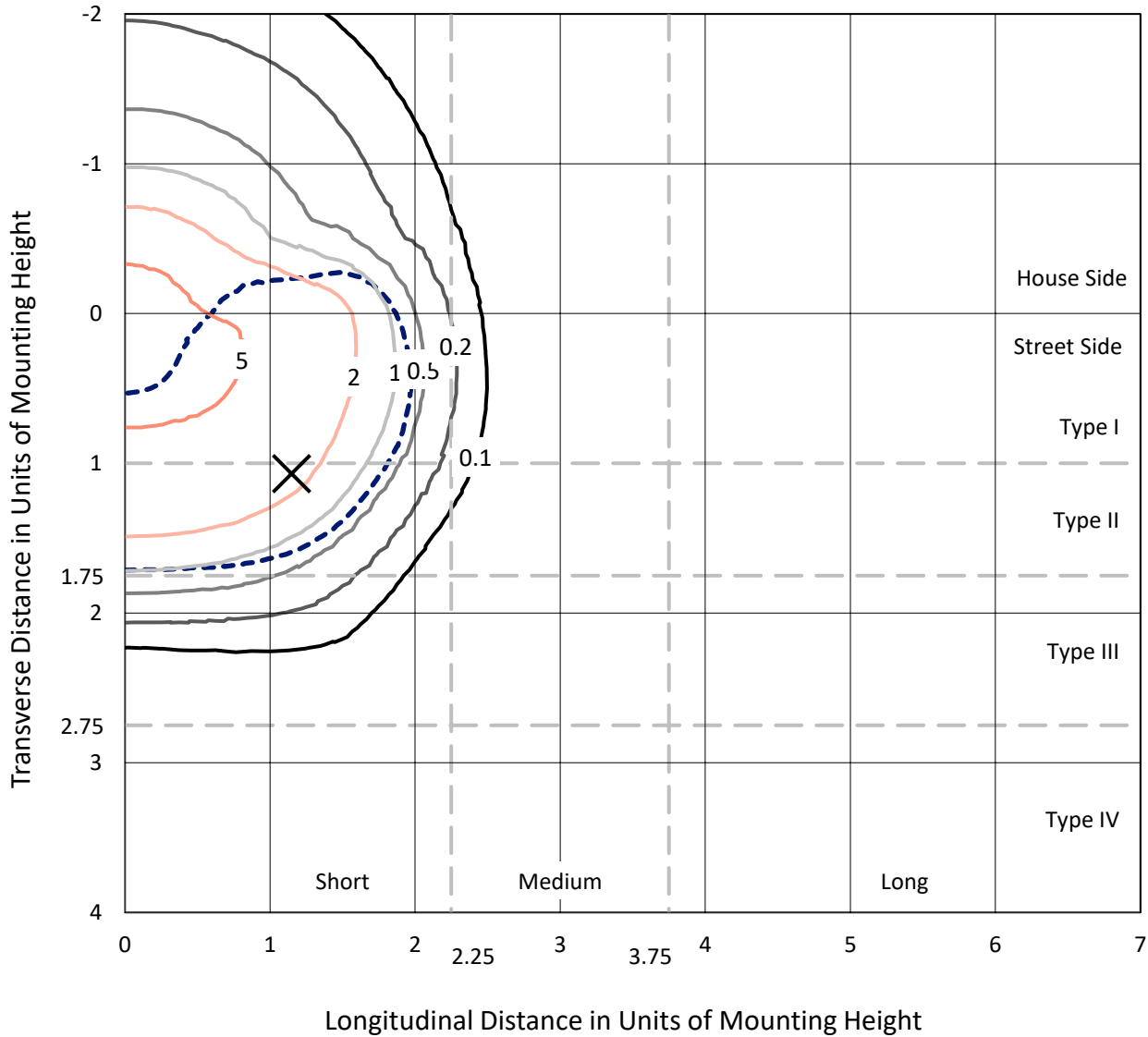
Lumens per Lamp: N/A  
Luminaire Lumens: 18070.9 lumens  
Efficiency: N/A  
Efficacy: 130.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

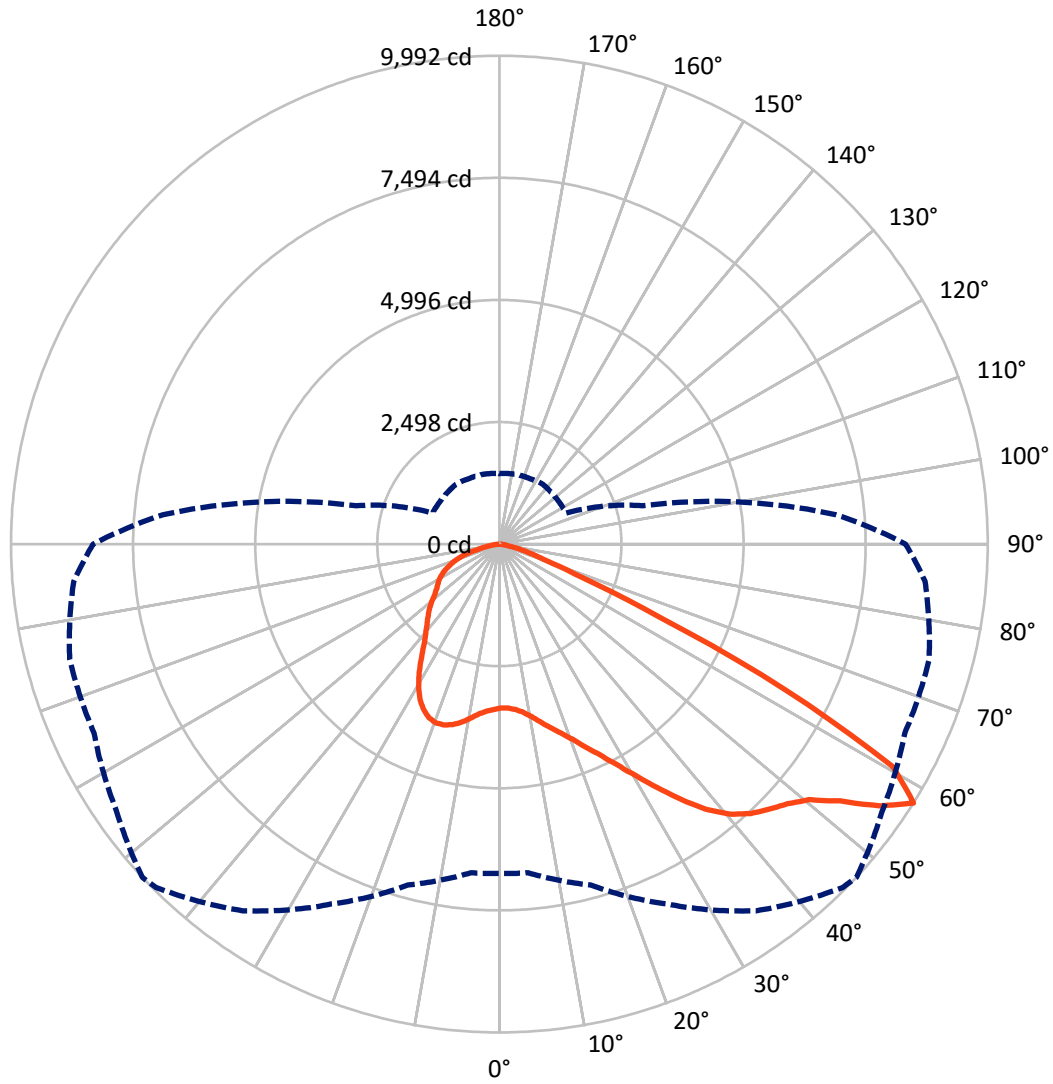
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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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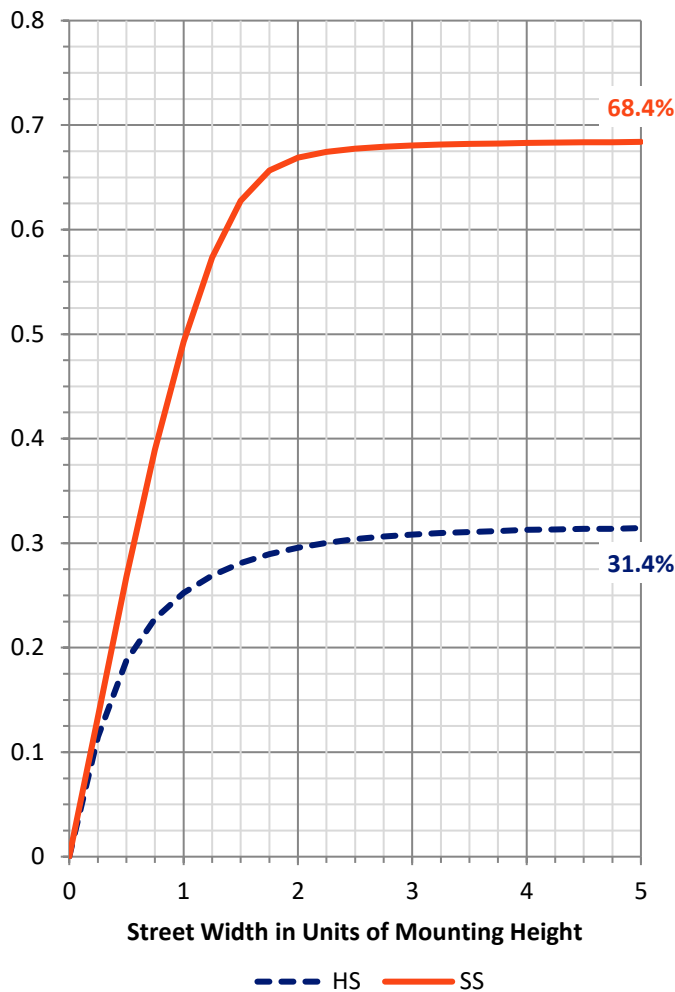
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5719.4	0.0	5719.4
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	12351.5	0.0	12351.5
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	18070.9	0.0	18070.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	330.5	1.8
10°-20°	1087.2	6.0
20°-30°	1957.6	10.8
30°-40°	2956.7	16.4
40°-50°	3981.5	22.0
50°-60°	4784.3	26.5
60°-70°	2330.1	12.9
70°-80°	574.0	3.2
80°-90°	69.0	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°	18070.9	100.0
0°-180°	18070.9	100.0

**Coefficient of Utilization**



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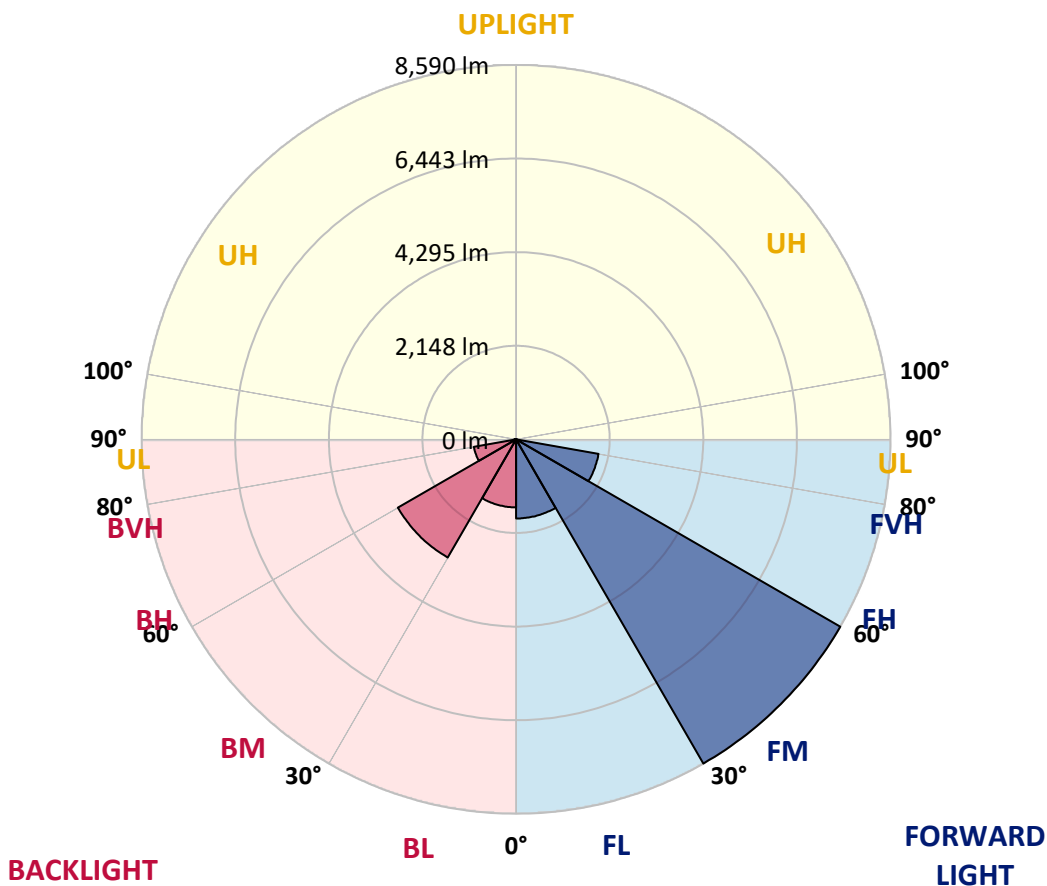
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1815.1	10.0			
FM (30°-60°)	8590.0	47.5			
FH (60°-80°)	1920.4	10.6			G2/5000
FVH (80°-90°)	25.9	0.1			G1/100
BL (0°-30°)	1560.1	8.6	B3/2500		
BM (30°-60°)	3132.5	17.3	B3/5000		
BH (60°-80°)	983.7	5.4	B2/1000		G2/1000
BVH (80°-90°)	43.1	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°	47°	55°	65°	75°	85°
0°	3351.3	3351.3	3351.3	3351.3	3351.3	3351.3	3351.3	3351.3	3351.3	3351.3	3351.3
2.5°	3345.2	3343.7	3343.7	3352.8	3352.8	3355.8	3360.4	3364.9	3366.5	3358.9	3342.2
5°	3381.6	3381.6	3381.6	3389.2	3389.2	3392.3	3398.3	3399.8	3398.3	3386.2	3369.5
7.5°	3439.3	3439.3	3440.8	3449.9	3457.5	3462.1	3472.7	3471.2	3466.6	3446.9	3425.6
10°	3533.4	3538.0	3542.5	3553.1	3568.3	3578.9	3586.5	3586.5	3580.5	3550.1	3522.8
12.5°	3667.0	3673.0	3677.6	3686.7	3698.8	3717.1	3733.8	3733.8	3726.2	3688.2	3647.2
15°	3823.3	3829.4	3827.9	3830.9	3853.7	3879.5	3893.1	3902.2	3905.3	3852.1	3788.4
17.5°	4002.4	4008.5	4002.4	3993.3	3996.3	4037.3	4061.6	4095.0	4114.7	4043.4	3941.7
20°	4164.8	4158.7	4158.7	4164.8	4173.9	4224.0	4260.4	4315.1	4339.4	4252.8	4095.0
22.5°	4336.3	4350.0	4343.9	4343.9	4380.3	4463.8	4507.8	4579.2	4605.0	4492.7	4280.2
25°	4557.9	4570.1	4567.0	4570.1	4612.6	4730.9	4775.0	4907.0	4932.8	4771.9	4485.1
27.5°	4800.8	4820.5	4829.6	4826.6	4894.9	5049.7	5104.3	5288.0	5335.0	5084.6	4703.6
30°	5116.5	5137.7	5145.3	5142.3	5222.7	5433.7	5495.9	5705.4	5772.1	5454.9	4981.4
32.5°	5482.2	5503.5	5526.3	5535.4	5638.6	5854.1	5943.7	6160.7	6256.3	5882.9	5316.8
35°	5845.0	5863.2	5907.2	5978.6	6119.7	6339.8	6418.7	6632.7	6725.3	6327.7	5722.1
37.5°	6245.7	6257.8	6295.8	6394.4	6597.8	6807.3	6886.2	7091.1	7101.7	6757.2	6180.4
40°	6684.3	6684.3	6676.7	6773.9	6986.4	7197.3	7265.6	7384.0	7321.8	7088.1	6626.7
42.5°	7056.2	7050.1	7056.2	7147.3	7305.1	7476.6	7535.8	7513.0	7434.1	7341.5	7030.4
45°	7391.6	7396.2	7450.8	7520.6	7602.6	7704.3	7739.2	7610.2	7538.8	7544.9	7353.7
47.5°	7619.3	7623.8	7751.3	7868.2	7918.3	7950.2	7935.0	7755.9	7719.5	7787.8	7602.6
50°	7649.6	7673.9	7894.0	8133.8	8258.3	8262.8	8220.3	8001.8	7991.2	8068.6	7736.2
52.5°	7655.7	7680.0	7954.7	8387.3	8710.6	8778.9	8730.3	8502.6	8391.8	8314.4	7900.1
55°	7633.0	7660.3	7963.8	8557.3	9176.5	9449.7	9454.3	9132.5	8778.9	8727.3	8367.6
57.5°	6739.0	6749.6	7220.1	8124.7	9158.3	9932.4	9991.6	9554.5	9150.7	9102.2	8742.5
60°	4694.5	4737.0	5248.5	6443.0	7693.7	9058.2	9249.4	9121.9	8851.7	8498.1	7500.9
62.5°	2351.1	2387.5	2900.5	4029.7	5306.2	6383.8	6588.7	6723.8	6787.5	6408.1	5107.4
65°	1012.4	1039.7	1358.4	2105.2	3003.7	3524.3	3595.6	3758.0	4155.7	3708.0	2751.7
67.5°	676.9	695.1	857.5	1284.0	1769.7	1803.1	1792.5	1827.4	1913.9	1580.0	1243.1
70°	519.1	534.3	643.5	941.0	1271.9	1088.3	1030.6	935.0	1015.4	1035.1	1007.8
72.5°	376.4	388.6	470.5	642.0	796.8	695.1	686.0	734.6	843.9	874.2	857.5
75°	242.8	248.9	299.0	352.1	411.3	446.2	464.4	552.5	663.3	686.0	666.3
77.5°	162.4	167.0	195.8	226.2	233.7	235.3	241.3	280.8	356.7	399.2	394.6
80°	85.0	85.0	95.6	95.6	109.3	130.5	136.6	162.4	197.3	218.6	220.1
82.5°	33.4	34.9	41.0	45.5	54.6	66.8	71.3	85.0	103.2	118.4	132.0
85°	13.7	15.2	16.7	19.7	24.3	30.4	31.9	36.4	48.6	60.7	68.3
87.5°	0.0	0.0	1.5	1.5	3.0	4.6	4.6	6.1	7.6	13.7	18.2
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°	3351.3	3351.3	3351.3	3351.3	3351.3	3351.3	3351.3	3351.3	3351.3	3351.3	3351.3
2.5°	3361.9	3342.2	3361.9	3368.0	3384.7	3390.7	3380.1	3378.6	3378.6	3363.4	3358.9
5°	3384.7	3366.5	3386.2	3395.3	3419.6	3434.8	3437.8	3449.9	3457.5	3451.4	3449.9
7.5°	3440.8	3418.1	3439.3	3453.0	3484.8	3509.1	3519.7	3547.1	3566.8	3563.8	3562.2
10°	3539.5	3509.1	3533.4	3556.2	3591.1	3619.9	3621.4	3636.6	3656.3	3650.3	3647.2
12.5°	3653.3	3624.5	3651.8	3674.6	3715.5	3727.7	3708.0	3701.9	3704.9	3697.3	3691.3
15°	3793.0	3752.0	3776.3	3802.1	3824.8	3811.2	3768.7	3752.0	3750.5	3739.8	3733.8
17.5°	3932.6	3881.0	3899.2	3912.9	3902.2	3859.7	3806.6	3777.8	3764.1	3742.9	3736.8
20°	4070.7	4005.4	4002.4	3991.8	3943.2	3865.8	3794.5	3736.8	3701.9	3673.0	3662.4
22.5°	4228.6	4137.5	4092.0	4043.4	3937.1	3811.2	3703.4	3621.4	3565.3	3528.9	3516.7
25°	4398.5	4269.5	4175.4	4078.3	3876.4	3694.3	3544.0	3431.7	3364.9	3325.5	3311.8
27.5°	4567.0	4389.4	4248.3	4082.8	3755.0	3525.8	3324.0	3172.2	3105.4	3073.5	3062.9
30°	4794.7	4548.8	4334.8	4023.7	3595.6	3292.1	3040.1	2886.8	2842.8	2820.0	2810.9
32.5°	5057.3	4750.7	4450.2	3899.2	3392.3	3018.9	2753.3	2647.0	2616.7	2572.6	2571.1
35°	5403.3	5039.1	4559.4	3715.5	3135.7	2725.9	2533.2	2457.3	2402.7	2332.8	2326.8
37.5°	5807.1	5398.8	4618.6	3481.8	2836.7	2484.6	2369.3	2284.3	2196.2	2103.7	2091.5
40°	6224.4	5819.2	4623.2	3205.6	2543.8	2325.3	2228.1	2117.3	2008.0	1904.8	1891.2
42.5°	6663.1	6210.8	4542.7	2886.8	2304.0	2187.1	2088.5	1948.8	1825.9	1756.1	1748.5
45°	7054.7	6526.5	4360.6	2551.4	2126.4	2071.8	1945.8	1795.5	1730.3	1680.2	1669.6
47.5°	7362.8	6735.9	4114.7	2250.9	1982.2	1953.4	1789.5	1712.1	1662.0	1616.4	1605.8
50°	7514.6	6783.0	3794.5	2006.5	1848.7	1813.8	1701.4	1642.2	1608.9	1572.4	1563.3
52.5°	7702.8	6836.1	3518.2	1801.6	1718.1	1671.1	1628.6	1581.5	1557.2	1534.5	1526.9
55°	8135.3	7036.5	3372.5	1637.7	1593.7	1572.4	1566.4	1526.9	1519.3	1504.1	1490.5
57.5°	8311.4	6907.5	3028.0	1504.1	1495.0	1498.1	1513.2	1476.8	1469.2	1451.0	1441.9
60°	6684.3	5221.2	2050.5	1388.8	1413.1	1432.8	1448.0	1411.5	1400.9	1397.9	1385.7
62.5°	4283.2	3211.6	1431.3	1281.0	1317.4	1341.7	1350.8	1315.9	1308.3	1332.6	1334.1
65°	2229.6	1750.0	1161.1	1165.7	1196.0	1232.4	1250.7	1238.5	1235.5	1261.3	1262.8
67.5°	1138.3	1070.0	1012.4	1029.1	1053.3	1100.4	1142.9	1196.0	1214.2	1217.3	1218.8
70°	969.9	939.5	910.7	921.3	947.1	972.9	1013.9	1039.7	1009.3	1001.7	998.7
72.5°	825.7	802.9	789.2	801.4	815.1	810.5	798.4	810.5	815.1	816.6	818.1
75°	642.0	625.3	614.7	616.2	616.2	599.5	576.8	563.1	547.9	535.8	535.8
77.5°	393.1	396.1	406.8	405.2	403.7	397.7	374.9	362.8	326.3	315.7	315.7
80°	224.6	229.2	239.8	242.8	242.8	235.3	212.5	198.8	182.1	174.5	173.0
82.5°	136.6	142.7	148.7	151.8	153.3	144.2	124.5	113.8	104.7	97.1	97.1
85°	71.3	74.4	80.4	82.0	77.4	68.3	57.7	53.1	44.0	42.5	42.5
87.5°	19.7	21.2	24.3	19.7	18.2	13.7	7.6	6.1	3.0	1.5	1.5
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)