

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: P642009

Luminaire Tested: GWS-SA6C-722-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642009
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-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17437.6 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

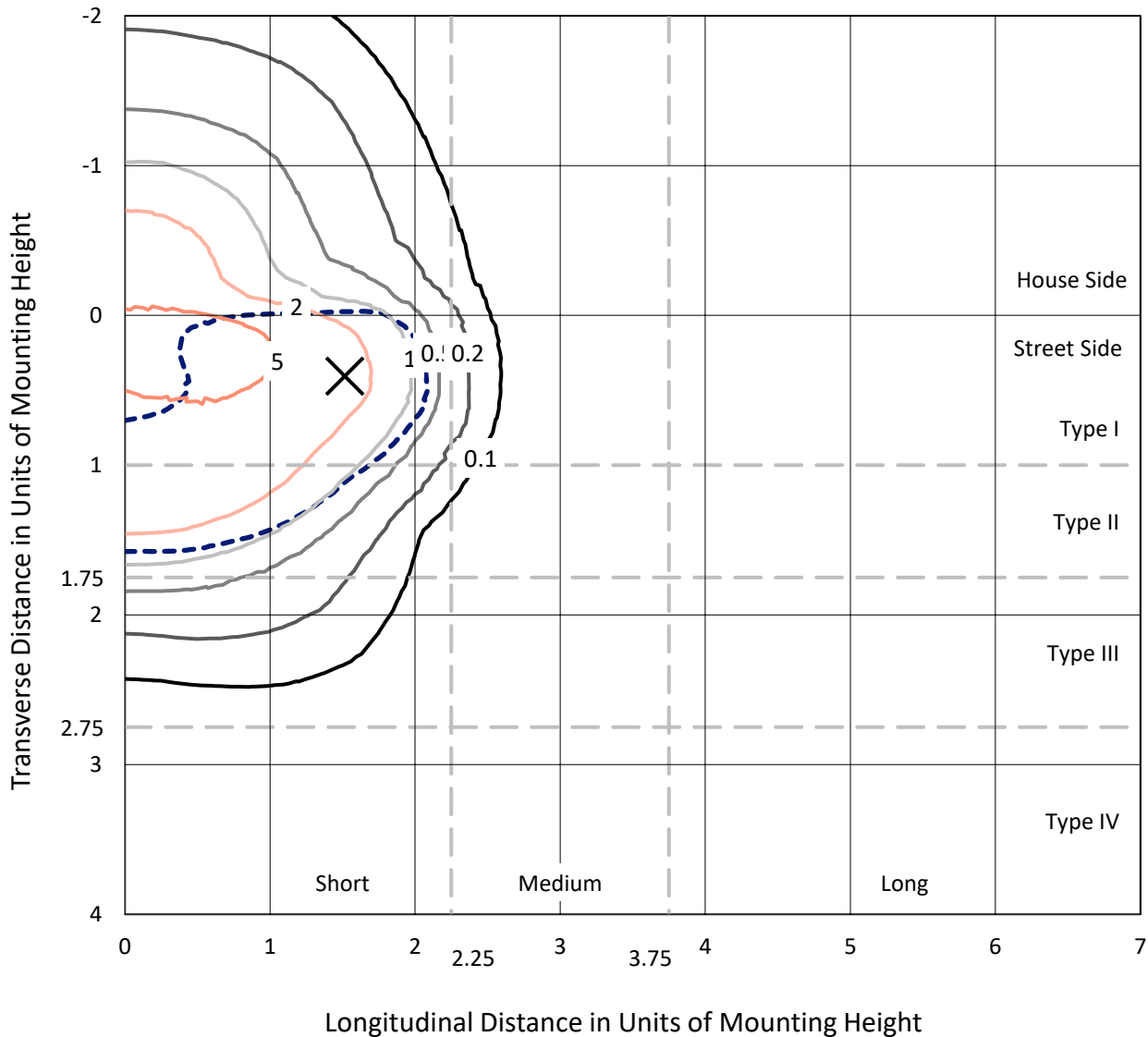
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642009
 CATALOG NUMBER: GWS-SA6C-722-U-T2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

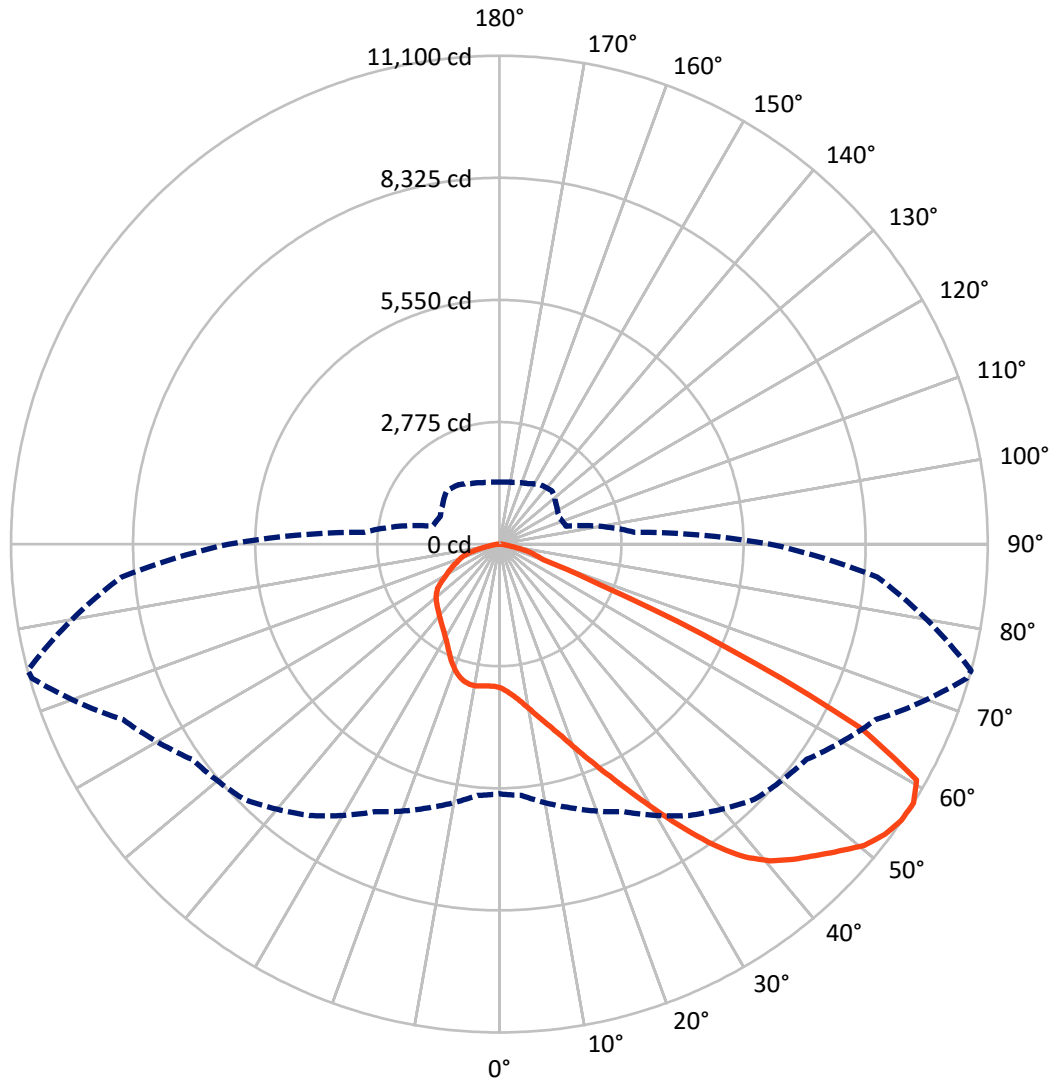
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type II - Short - N/A

REPORT NUMBER: P642009
CATALOG NUMBER: GWS-SA6C-722-U-T2-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P642009

CATALOG NUMBER: GWS-SA6C-722-U-T2-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4717.2	0.0	4717.2
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	12720.4	0.0	12720.4
	% Fixture	72.9	0.0	72.9
Total	Lumens	17437.6	0.0	17437.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.8	1.9
10°-20°	1040.4	6.0
20°-30°	1845.2	10.6
30°-40°	2824.7	16.2
40°-50°	3933.1	22.6
50°-60°	4506.6	25.8
60°-70°	2315.6	13.3
70°-80°	583.0	3.3
80°-90°	62.3	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°	17437.6	100.0
0°-180°	17437.6	100.0

Coefficient of Utilization



REPORT NUMBER: P642009

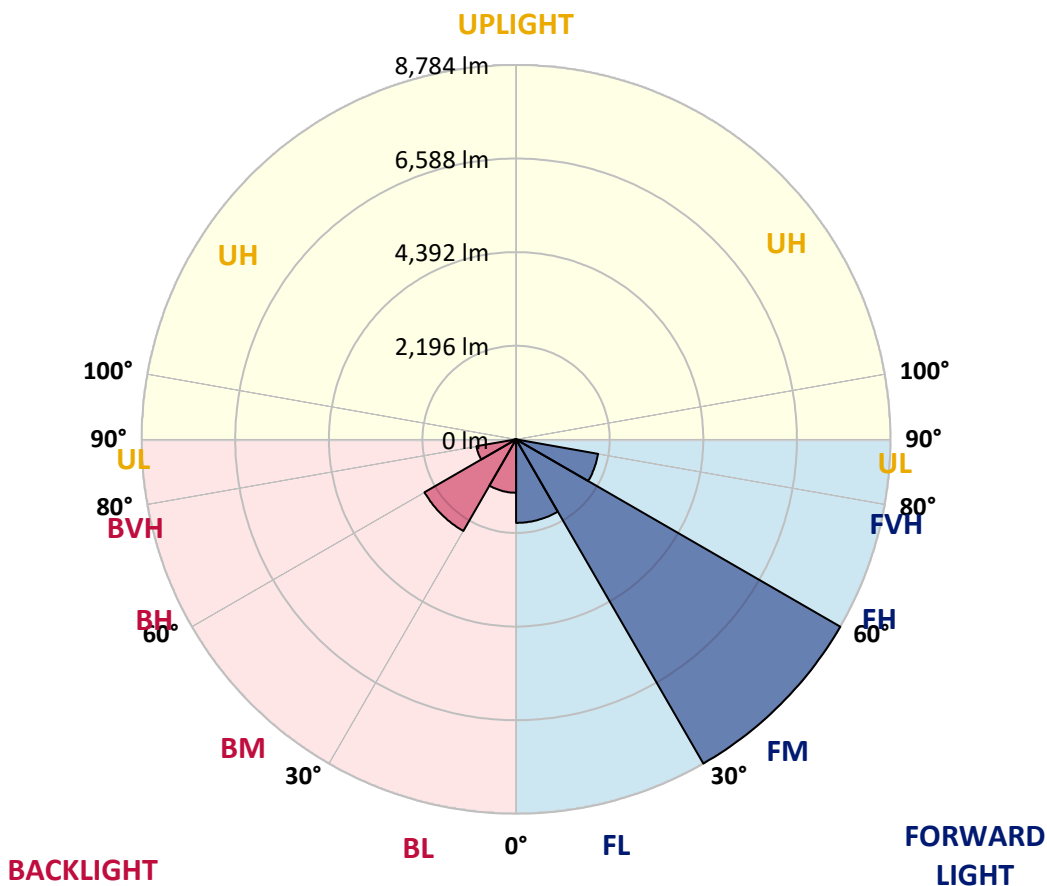
CATALOG NUMBER: GWS-SA6C-722-U-T2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1959.2	11.2			
FM (30°-60°)	8783.5	50.4			
FH (60°-80°)	1954.6	11.2			G2/5000
FVH (80°-90°)	23.1	0.1			G1/100
BL (0°-30°)	1253.2	7.2	B3/2500		
BM (30°-60°)	2480.8	14.2	B2/2500		
BH (60°-80°)	943.9	5.4	B2/1000		G2/1000
BVH (80°-90°)	39.3	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





REPORT NUMBER: P642009

CATALOG NUMBER: GWS-SA6C-722-U-T2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	3265.6	3265.6	3265.6	3265.6	3265.6	3265.6	3265.6	3265.6	3265.6	3265.6	3265.6
2.5°	3508.5	3517.5	3508.5	3523.5	3493.5	3480.1	3447.1	3397.6	3358.6	3352.6	3309.1
5°	3781.4	3800.9	3788.9	3782.9	3742.4	3712.5	3663.0	3564.0	3483.1	3471.1	3385.6
7.5°	3956.9	3970.4	3970.4	3974.8	3959.9	3925.4	3872.9	3755.9	3642.0	3624.0	3495.0
10°	4015.3	4025.8	4045.3	4082.8	4112.8	4123.3	4088.8	3976.3	3836.9	3818.9	3639.0
12.5°	4028.8	4040.8	4070.8	4139.8	4222.2	4297.2	4303.2	4220.7	4064.8	4045.3	3805.4
15°	4054.3	4066.3	4106.8	4192.3	4313.7	4457.6	4546.1	4489.1	4316.7	4295.7	3994.3
17.5°	4051.3	4064.8	4124.8	4238.7	4402.2	4610.6	4781.5	4805.5	4627.1	4591.1	4208.8
20°	4043.8	4055.8	4120.3	4259.7	4462.1	4748.5	5057.4	5181.8	4989.9	4956.9	4459.1
22.5°	4103.8	4117.3	4166.8	4282.2	4493.6	4855.0	5312.3	5612.2	5420.2	5373.8	4747.0
25°	4238.7	4258.2	4288.2	4367.7	4550.6	4949.4	5573.2	6099.5	5903.0	5847.6	5060.4
27.5°	4447.2	4471.1	4513.1	4550.6	4678.1	5069.4	5832.6	6645.2	6448.8	6390.3	5391.8
30°	4702.0	4733.5	4787.5	4813.0	4900.0	5246.3	6114.5	7207.5	7093.6	7012.6	5765.1
32.5°	5054.4	5097.9	5148.9	5156.4	5208.8	5514.7	6393.3	7765.3	7763.8	7706.8	6189.4
35°	5513.2	5559.7	5570.2	5580.7	5606.2	5883.6	6730.7	8273.6	8470.0	8404.0	6651.2
37.5°	6014.0	6081.5	6098.0	6051.5	6087.5	6327.4	7110.0	8681.4	9084.7	9014.3	7098.1
40°	6549.3	6576.3	6621.3	6547.8	6592.8	6835.7	7481.9	8942.3	9543.5	9468.6	7450.4
42.5°	6933.1	6982.6	7050.1	7023.1	7048.6	7270.5	7742.8	9068.2	9870.4	9795.4	7703.8
45°	7349.9	7364.9	7408.4	7402.4	7417.4	7624.3	7930.2	9123.7	10162.8	10095.3	7919.7
47.5°	7712.8	7735.3	7763.8	7730.8	7697.8	7832.7	8083.1	9171.7	10500.1	10419.2	8146.1
50°	8062.2	8081.6	8116.1	8020.2	7897.2	7931.7	8158.1	9237.7	10816.5	10759.5	8324.5
52.5°	8126.6	8147.6	8309.5	8329.0	8171.6	8050.2	8290.1	9383.1	11002.4	10966.4	8389.0
55°	7315.5	7352.9	7675.3	8045.7	8434.0	8395.0	8501.5	9459.6	11075.9	11084.9	8504.5
57.5°	5678.1	5732.1	6202.9	6711.2	7528.4	8204.6	8528.5	9440.1	11050.4	11099.9	8622.9
60°	3724.5	3755.9	4313.7	4883.5	5730.6	6666.2	7633.3	9089.2	10824.0	10894.5	8592.9
62.5°	2249.1	2285.1	2733.4	3165.2	3664.5	4289.7	5177.3	7305.0	9072.7	9230.2	6882.1
65°	1569.8	1617.8	2010.7	2366.0	2538.4	2409.5	2622.4	4079.8	5652.7	5718.6	4205.8
67.5°	1138.0	1171.0	1493.4	1916.2	2106.6	1701.8	1297.0	1806.7	2462.0	2486.0	1734.8
70°	745.2	782.7	1075.1	1458.9	1719.8	1379.4	970.1	977.6	1036.1	1048.1	1007.6
72.5°	409.3	431.8	664.2	968.6	1016.6	824.7	757.2	812.7	853.1	853.1	863.6
75°	211.4	230.9	271.4	319.4	385.3	451.3	545.8	628.2	671.7	674.7	670.2
77.5°	108.0	115.5	145.4	157.4	172.4	200.9	260.9	334.4	373.3	388.3	385.3
80°	51.0	54.0	61.5	72.0	88.5	112.5	140.9	167.9	191.9	194.9	211.4
82.5°	27.0	30.0	33.0	39.0	48.0	60.0	82.5	99.0	114.0	117.0	130.4
85°	10.5	12.0	13.5	15.0	21.0	25.5	34.5	46.5	57.0	57.0	67.5
87.5°	0.0	0.0	0.0	0.0	1.5	3.0	6.0	7.5	10.5	10.5	18.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P642009

CATALOG NUMBER: GWS-SA6C-722-U-T2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3265.6	3265.6	3265.6	3265.6	3265.6	3265.6	3265.6	3265.6	3265.6	3265.6	3265.6
2.5°	3298.6	3255.1	3235.7	3204.2	3178.7	3150.2	3127.7	3111.2	3100.7	3094.7	3088.7
5°	3352.6	3286.6	3234.2	3171.2	3127.7	3085.7	3051.2	3027.2	3015.2	3006.3	3000.3
7.5°	3436.6	3348.1	3249.2	3151.7	3075.2	3007.8	2964.3	2938.8	2922.3	2916.3	2911.8
10°	3552.0	3429.1	3265.6	3111.2	2997.3	2923.8	2893.8	2881.8	2883.3	2880.3	2878.8
12.5°	3682.5	3514.5	3261.1	3039.2	2913.3	2869.8	2871.3	2890.8	2913.3	2919.3	2920.8
15°	3823.4	3598.5	3217.7	2946.3	2847.3	2851.8	2890.8	2937.3	2979.3	2995.8	2998.8
17.5°	3976.3	3669.0	3138.2	2844.3	2793.3	2841.3	2913.3	2989.8	3051.2	3078.2	3085.7
20°	4147.3	3729.0	3025.7	2743.9	2742.4	2821.8	2926.8	3027.2	3105.2	3141.2	3147.2
22.5°	4328.7	3766.4	2887.8	2650.9	2689.9	2796.3	2916.3	3021.2	3103.7	3139.7	3147.2
25°	4511.6	3778.4	2736.4	2565.4	2635.9	2755.9	2865.3	2949.3	3027.2	3058.7	3064.7
27.5°	4682.6	3743.9	2592.4	2492.0	2586.4	2695.9	2769.3	2814.3	2868.3	2892.3	2896.8
30°	4856.5	3675.0	2471.0	2433.5	2530.9	2613.4	2646.4	2649.4	2670.4	2670.4	2673.4
32.5°	5031.9	3573.0	2364.5	2376.5	2462.0	2516.0	2520.5	2486.0	2460.5	2418.5	2417.0
35°	5234.3	3469.6	2277.6	2312.0	2381.0	2414.0	2400.5	2334.5	2273.1	2204.1	2201.1
37.5°	5421.7	3363.1	2204.1	2246.1	2289.5	2313.5	2282.1	2202.6	2151.6	2081.1	2070.6
40°	5576.2	3267.1	2133.6	2177.1	2198.1	2219.1	2168.1	2103.6	2111.1	2072.1	2070.6
42.5°	5666.1	3174.2	2067.6	2100.6	2114.1	2129.1	2084.1	2036.2	2076.6	2046.7	2048.1
45°	5732.1	3093.2	2007.7	2019.7	2052.6	2075.1	2033.2	1979.2	1988.2	1872.7	1845.7
47.5°	5807.1	3048.2	1950.7	1938.7	1997.2	2036.2	1971.7	1893.7	1839.7	1725.8	1715.3
50°	5886.6	3031.7	1890.7	1857.7	1928.2	1965.7	1890.7	1793.3	1722.8	1661.3	1655.3
52.5°	5913.5	3030.2	1815.7	1760.3	1830.7	1883.2	1820.2	1721.3	1637.3	1577.3	1574.3
55°	6020.0	3073.7	1719.8	1626.8	1692.8	1800.8	1754.3	1611.8	1544.4	1517.4	1514.4
57.5°	6144.4	3081.2	1568.3	1481.4	1572.8	1700.3	1641.8	1518.9	1445.4	1412.4	1409.4
60°	6093.5	2896.8	1406.4	1370.4	1470.9	1605.8	1551.9	1445.4	1359.9	1328.4	1325.4
62.5°	4643.6	2045.2	1288.0	1274.5	1361.4	1469.4	1458.9	1347.9	1267.0	1244.5	1241.5
65°	2793.3	1436.4	1174.0	1172.5	1234.0	1337.4	1350.9	1261.0	1175.5	1144.0	1144.0
67.5°	1380.9	1099.0	1045.1	1037.6	1076.6	1150.0	1207.0	1133.5	1061.6	1031.6	1027.1
70°	976.1	968.6	950.6	929.6	937.1	967.1	991.1	929.6	853.1	823.2	817.2
72.5°	844.1	845.6	833.7	817.2	811.2	790.2	769.2	724.2	677.7	646.2	649.2
75°	655.2	658.2	665.7	659.7	643.2	620.7	598.3	541.3	503.8	473.8	467.8
77.5°	382.3	397.3	421.3	415.3	418.3	386.8	377.8	322.4	287.9	266.9	262.4
80°	215.9	224.9	235.4	242.9	233.9	220.4	200.9	170.9	160.4	145.4	142.4
82.5°	130.4	139.4	143.9	149.9	146.9	128.9	114.0	94.5	85.5	78.0	76.5
85°	66.0	72.0	76.5	79.5	70.5	58.5	52.5	42.0	36.0	31.5	31.5
87.5°	16.5	18.0	21.0	18.0	16.5	7.5	6.0	1.5	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)