

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: P641844

Luminaire Tested: GWS-SA6B-760-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641844
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-SA6B-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17809.1 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

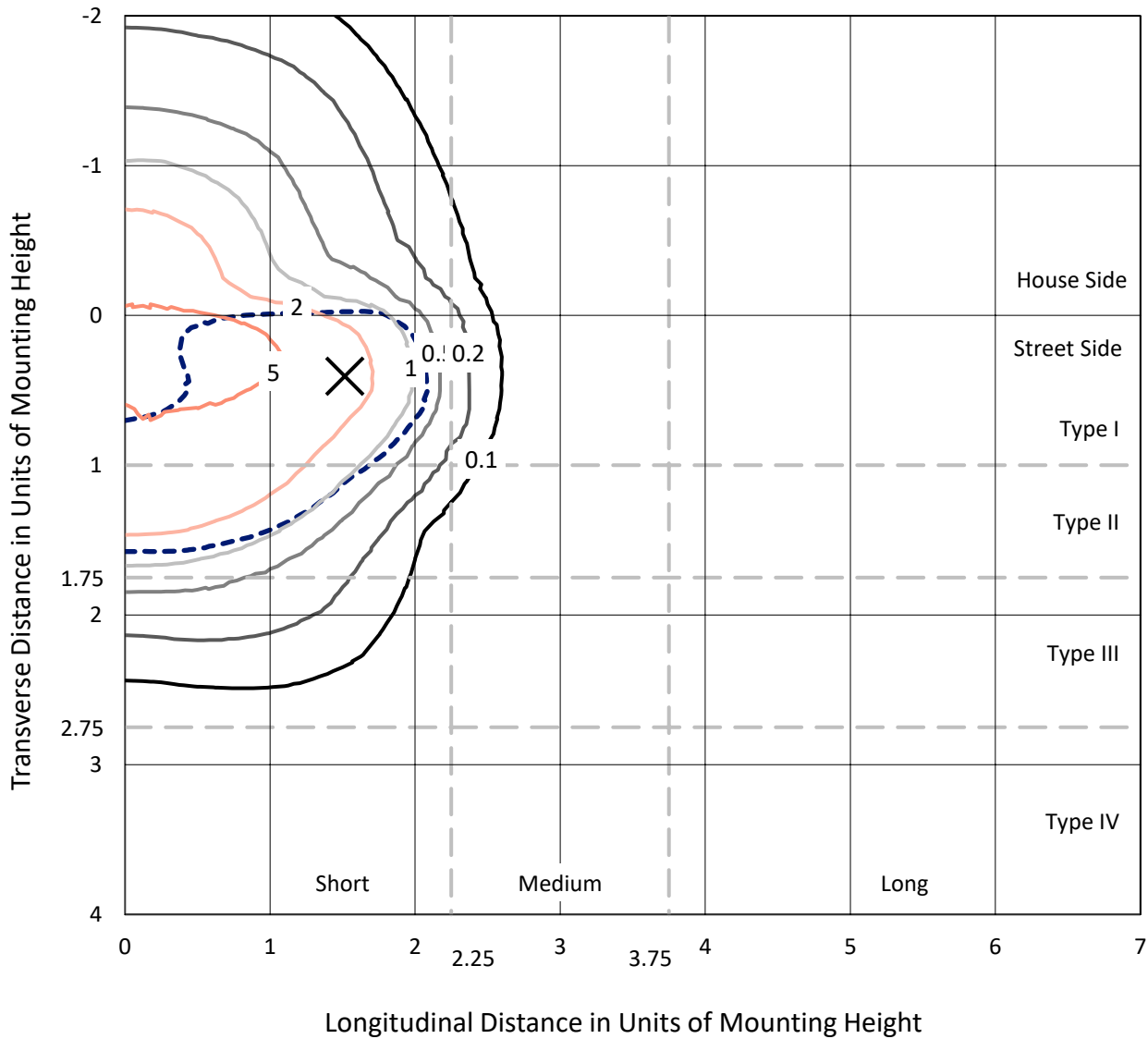
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

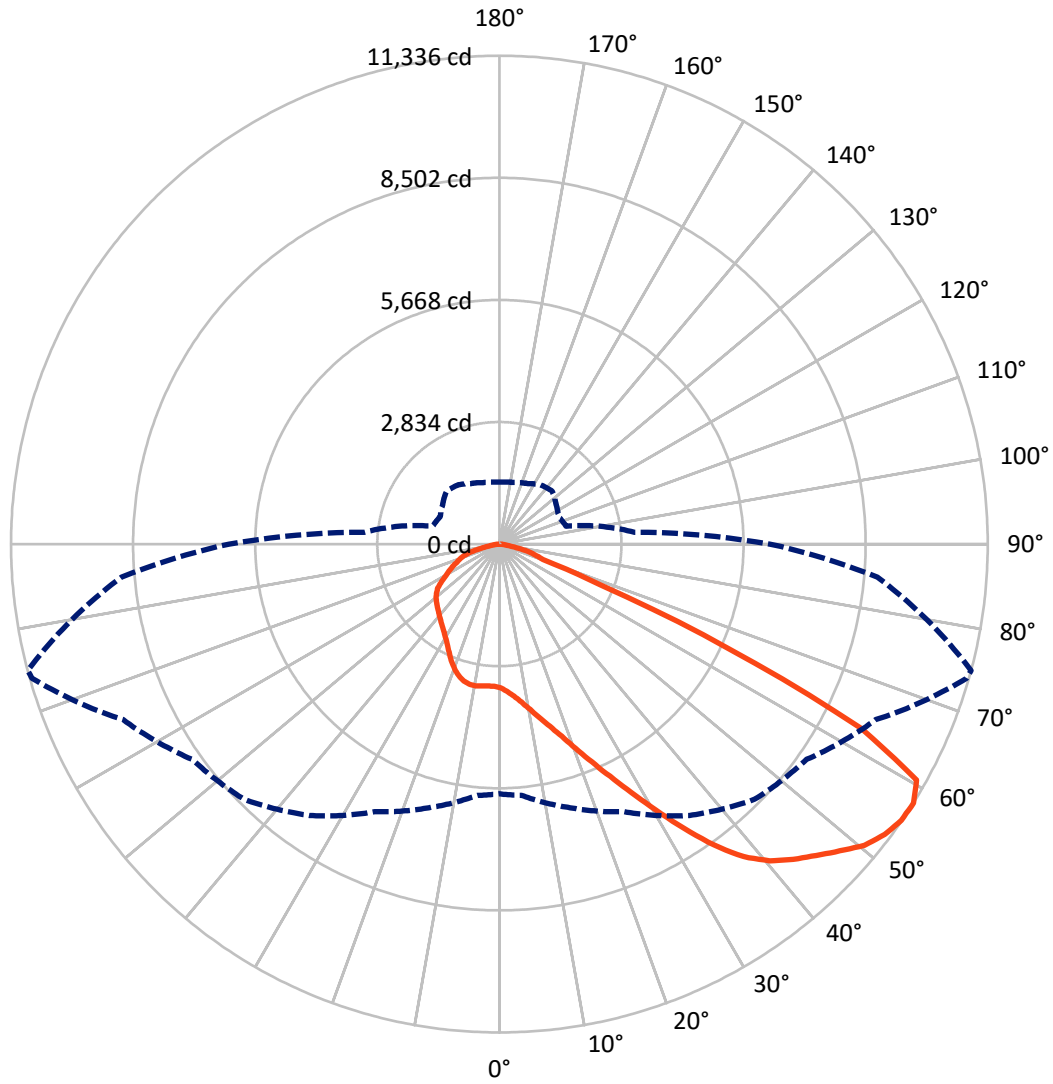
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 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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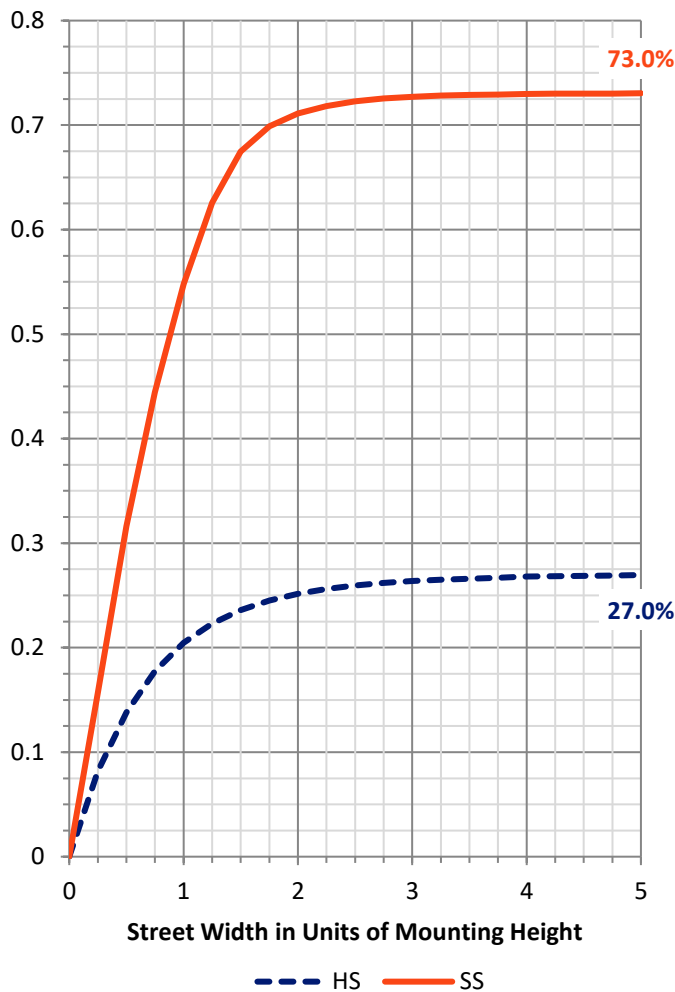
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4817.7	0.0	4817.7
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	12991.4	0.0	12991.4
	% Fixture	72.9	0.0	72.9
Total	Lumens	17809.1	0.0	17809.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.7	1.9
10°-20°	1062.6	6.0
20°-30°	1884.5	10.6
30°-40°	2884.8	16.2
40°-50°	4016.9	22.6
50°-60°	4602.6	25.8
60°-70°	2364.9	13.3
70°-80°	595.4	3.3
80°-90°	63.6	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°	17809.1	100.0
0°-180°	17809.1	100.0

Coefficient of Utilization



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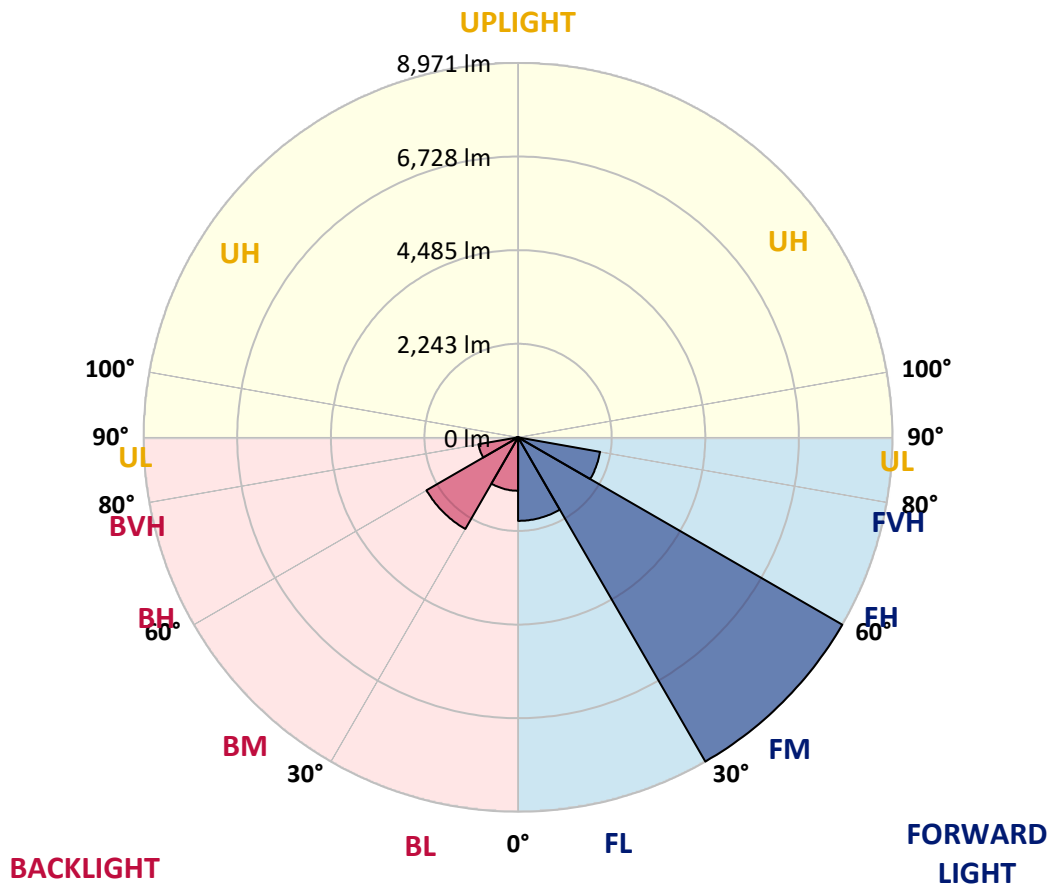
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2001.0	11.2			
FM (30°-60°)	8970.7	50.4			
FH (60°-80°)	1996.2	11.2			G2/5000
FVH (80°-90°)	23.6	0.1			G1/100
BL (0°-30°)	1279.9	7.2	B3/2500		
BM (30°-60°)	2533.7	14.2	B3/5000		
BH (60°-80°)	964.1	5.4	B2/1000		G2/1000
BVH (80°-90°)	40.1	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°	55°	65°	74°	75°	85°
0°	3335.2	3335.2	3335.2	3335.2	3335.2	3335.2	3335.2	3335.2	3335.2	3335.2	3335.2
2.5°	3583.3	3592.5	3583.3	3598.6	3568.0	3554.2	3520.5	3470.0	3430.2	3424.0	3379.6
5°	3862.0	3881.9	3869.6	3863.5	3822.2	3791.6	3741.0	3639.9	3557.3	3545.0	3457.7
7.5°	4041.2	4054.9	4054.9	4059.5	4044.2	4009.0	3955.4	3836.0	3719.6	3701.2	3569.5
10°	4100.9	4111.6	4131.5	4169.8	4200.4	4211.1	4175.9	4061.1	3918.7	3900.3	3716.5
12.5°	4114.7	4126.9	4157.5	4228.0	4312.2	4388.8	4394.9	4310.7	4151.4	4131.5	3886.5
15°	4140.7	4152.9	4194.3	4281.6	4405.6	4552.6	4643.0	4584.8	4408.7	4387.2	4079.4
17.5°	4137.6	4151.4	4212.7	4329.0	4496.0	4708.8	4883.4	4907.9	4725.7	4688.9	4298.4
20°	4130.0	4142.2	4208.1	4350.5	4557.2	4849.7	5165.1	5292.2	5096.2	5062.5	4554.1
22.5°	4191.2	4205.0	4255.5	4373.5	4589.4	4958.4	5425.5	5731.7	5535.7	5488.3	4848.2
25°	4329.0	4349.0	4379.6	4460.7	4647.6	5054.9	5691.9	6229.4	6028.8	5972.2	5168.2
27.5°	4541.9	4566.4	4609.3	4647.6	4777.7	5177.4	5956.8	6786.8	6586.2	6526.5	5506.6
30°	4802.2	4834.4	4889.5	4915.5	5004.4	5358.1	6244.7	7361.1	7244.7	7162.0	5887.9
32.5°	5162.1	5206.5	5258.6	5266.2	5319.8	5632.2	6529.6	7930.7	7929.2	7871.0	6321.3
35°	5630.7	5678.1	5688.9	5699.6	5725.6	6008.9	6874.1	8449.8	8650.4	8583.1	6792.9
37.5°	6142.1	6211.0	6227.9	6180.4	6217.2	6462.2	7261.5	8866.3	9278.3	9206.3	7249.3
40°	6688.8	6716.4	6762.3	6687.3	6733.2	6981.3	7641.3	9132.8	9746.9	9670.3	7609.1
42.5°	7080.8	7131.4	7200.3	7172.7	7198.7	7425.4	7907.7	9261.4	10080.7	10004.1	7867.9
45°	7506.5	7521.8	7566.3	7560.1	7575.4	7786.8	8099.2	9318.1	10379.3	10310.4	8088.4
47.5°	7877.1	7900.1	7929.2	7895.5	7861.8	7999.6	8255.4	9367.1	10723.8	10641.1	8319.7
50°	8233.9	8253.8	8289.0	8191.0	8065.5	8100.7	8331.9	9434.5	11046.9	10988.8	8501.9
52.5°	8299.8	8321.2	8486.6	8506.5	8345.7	8221.7	8466.7	9583.0	11236.8	11200.1	8567.7
55°	7471.3	7509.6	7838.8	8217.1	8613.7	8573.9	8682.6	9661.1	11311.9	11321.1	8685.7
57.5°	5799.1	5854.2	6335.1	6854.2	7688.8	8379.4	8710.2	9641.2	11285.8	11336.4	8806.6
60°	3803.8	3836.0	4405.6	4987.5	5852.7	6808.3	7796.0	9282.9	11054.6	11126.6	8776.0
62.5°	2297.0	2333.7	2791.6	3232.6	3742.5	4381.1	5287.7	7460.6	9266.0	9426.8	7028.8
65°	1603.3	1652.3	2053.5	2416.4	2592.5	2460.8	2678.3	4166.7	5773.1	5840.5	4295.4
67.5°	1162.3	1196.0	1525.2	1957.0	2151.5	1738.0	1324.6	1845.2	2514.4	2538.9	1771.7
70°	761.1	799.3	1098.0	1490.0	1756.4	1408.8	990.8	998.4	1058.1	1070.4	1029.0
72.5°	418.1	441.0	678.4	989.2	1038.2	842.2	773.3	830.0	871.3	871.3	882.0
75°	215.9	235.8	277.2	326.2	393.5	460.9	557.4	641.6	686.0	689.1	684.5
77.5°	110.3	117.9	148.5	160.8	176.1	205.2	266.4	341.5	381.3	396.6	393.5
80°	52.1	55.1	62.8	73.5	90.3	114.8	143.9	171.5	196.0	199.1	215.9
82.5°	27.6	30.6	33.7	39.8	49.0	61.3	84.2	101.1	116.4	119.4	133.2
85°	10.7	12.3	13.8	15.3	21.4	26.0	35.2	47.5	58.2	58.2	68.9
87.5°	0.0	0.0	0.0	0.0	1.5	3.1	6.1	7.7	10.7	10.7	18.4
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°	3335.2	3335.2	3335.2	3335.2	3335.2	3335.2	3335.2	3335.2	3335.2	3335.2	3335.2
2.5°	3368.9	3324.5	3304.6	3272.4	3246.4	3217.3	3194.3	3177.5	3166.8	3160.6	3154.5
5°	3424.0	3356.7	3303.1	3238.7	3194.3	3151.5	3116.2	3091.7	3079.5	3070.3	3064.2
7.5°	3509.8	3419.4	3318.4	3218.8	3140.7	3071.8	3027.4	3001.4	2984.5	2978.4	2973.8
10°	3627.7	3502.1	3335.2	3177.5	3061.1	2986.1	2955.4	2943.2	2944.7	2941.7	2940.1
12.5°	3760.9	3589.4	3330.6	3104.0	2975.4	2930.9	2932.5	2952.4	2975.4	2981.5	2983.0
15°	3904.9	3675.2	3286.2	3009.0	2908.0	2912.6	2952.4	2999.9	3042.7	3059.6	3062.6
17.5°	4061.1	3747.1	3205.1	2904.9	2852.9	2901.9	2975.4	3053.5	3116.2	3143.8	3151.5
20°	4235.6	3808.4	3090.2	2802.3	2800.8	2881.9	2989.1	3091.7	3171.4	3208.1	3214.2
22.5°	4420.9	3846.7	2949.3	2707.4	2747.2	2855.9	2978.4	3085.6	3169.8	3206.6	3214.2
25°	4607.7	3858.9	2794.7	2620.1	2692.1	2814.6	2926.4	3012.1	3091.7	3123.9	3130.0
27.5°	4782.3	3823.7	2647.7	2545.1	2641.5	2753.3	2828.3	2874.3	2929.4	2953.9	2958.5
30°	4959.9	3753.3	2523.6	2485.3	2584.9	2669.1	2702.8	2705.8	2727.3	2727.3	2730.3
32.5°	5139.1	3649.1	2414.9	2427.1	2514.4	2569.6	2574.2	2538.9	2512.9	2470.0	2468.5
35°	5345.8	3543.5	2326.1	2361.3	2431.7	2465.4	2451.6	2384.3	2321.5	2251.0	2248.0
37.5°	5537.3	3434.8	2251.0	2293.9	2338.3	2362.8	2330.7	2249.5	2197.4	2125.5	2114.8
40°	5695.0	3336.7	2179.1	2223.5	2244.9	2266.4	2214.3	2148.4	2156.1	2116.3	2114.8
42.5°	5786.9	3241.8	2111.7	2145.4	2159.2	2174.5	2128.5	2079.5	2120.9	2090.3	2091.8
45°	5854.2	3159.1	2050.4	2062.7	2096.4	2119.3	2076.5	2021.3	2030.5	1912.6	1885.1
47.5°	5930.8	3113.2	1992.2	1980.0	2039.7	2079.5	2013.7	1934.1	1878.9	1762.6	1751.8
50°	6012.0	3096.3	1931.0	1897.3	1969.3	2007.6	1931.0	1831.5	1759.5	1696.7	1690.6
52.5°	6039.5	3094.8	1854.4	1797.8	1869.7	1923.3	1859.0	1758.0	1672.2	1610.9	1607.9
55°	6148.3	3139.2	1756.4	1661.5	1728.9	1839.1	1791.6	1646.2	1577.3	1549.7	1546.6
57.5°	6275.4	3146.9	1601.8	1512.9	1606.4	1736.5	1676.8	1551.2	1476.2	1442.5	1439.4
60°	6223.3	2958.5	1436.4	1399.6	1502.2	1640.0	1584.9	1476.2	1388.9	1356.8	1353.7
62.5°	4742.5	2088.7	1315.4	1301.6	1390.4	1500.7	1490.0	1376.7	1294.0	1271.0	1267.9
65°	2852.9	1467.0	1199.0	1197.5	1260.3	1365.9	1379.7	1287.8	1200.6	1168.4	1168.4
67.5°	1410.3	1122.5	1067.3	1059.7	1099.5	1174.5	1232.7	1157.7	1084.2	1053.5	1049.0
70°	996.9	989.2	970.9	949.4	957.1	987.7	1012.2	949.4	871.3	840.7	834.6
72.5°	862.1	863.7	851.4	834.6	828.4	807.0	785.6	739.6	692.2	660.0	663.1
75°	669.2	672.2	679.9	673.8	656.9	634.0	611.0	552.8	514.5	483.9	477.8
77.5°	390.5	405.8	430.3	424.2	427.2	395.1	385.9	329.2	294.0	272.6	268.0
80°	220.5	229.7	240.4	248.1	238.9	225.1	205.2	174.6	163.9	148.5	145.5
82.5°	133.2	142.4	147.0	153.1	150.1	131.7	116.4	96.5	87.3	79.6	78.1
85°	67.4	73.5	78.1	81.2	72.0	59.7	53.6	42.9	36.8	32.2	32.2
87.5°	16.8	18.4	21.4	18.4	16.8	7.7	6.1	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)