

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: P641514

Luminaire Tested: GWS-SA6B-722-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641514
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-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: 13002.4 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

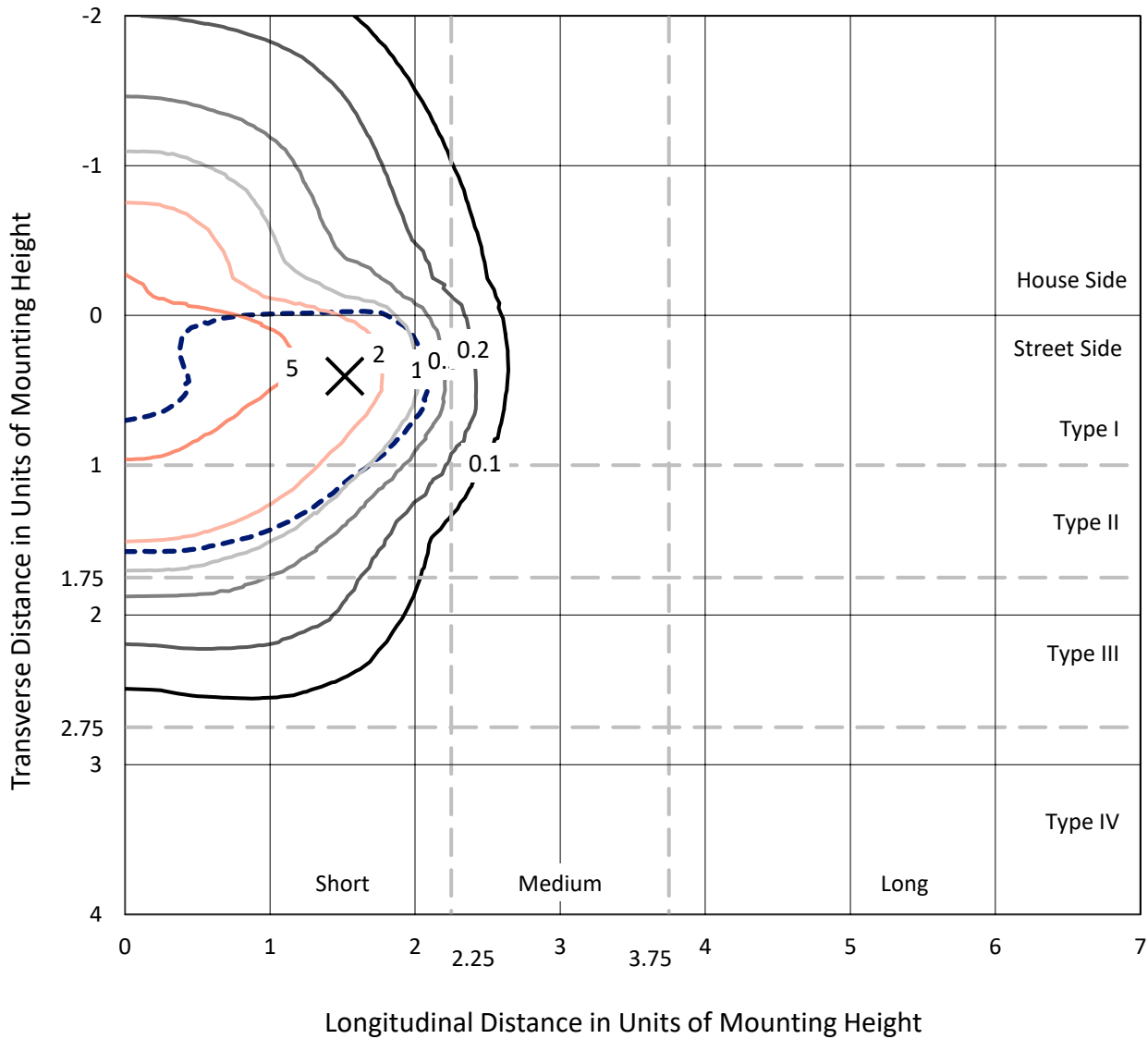
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

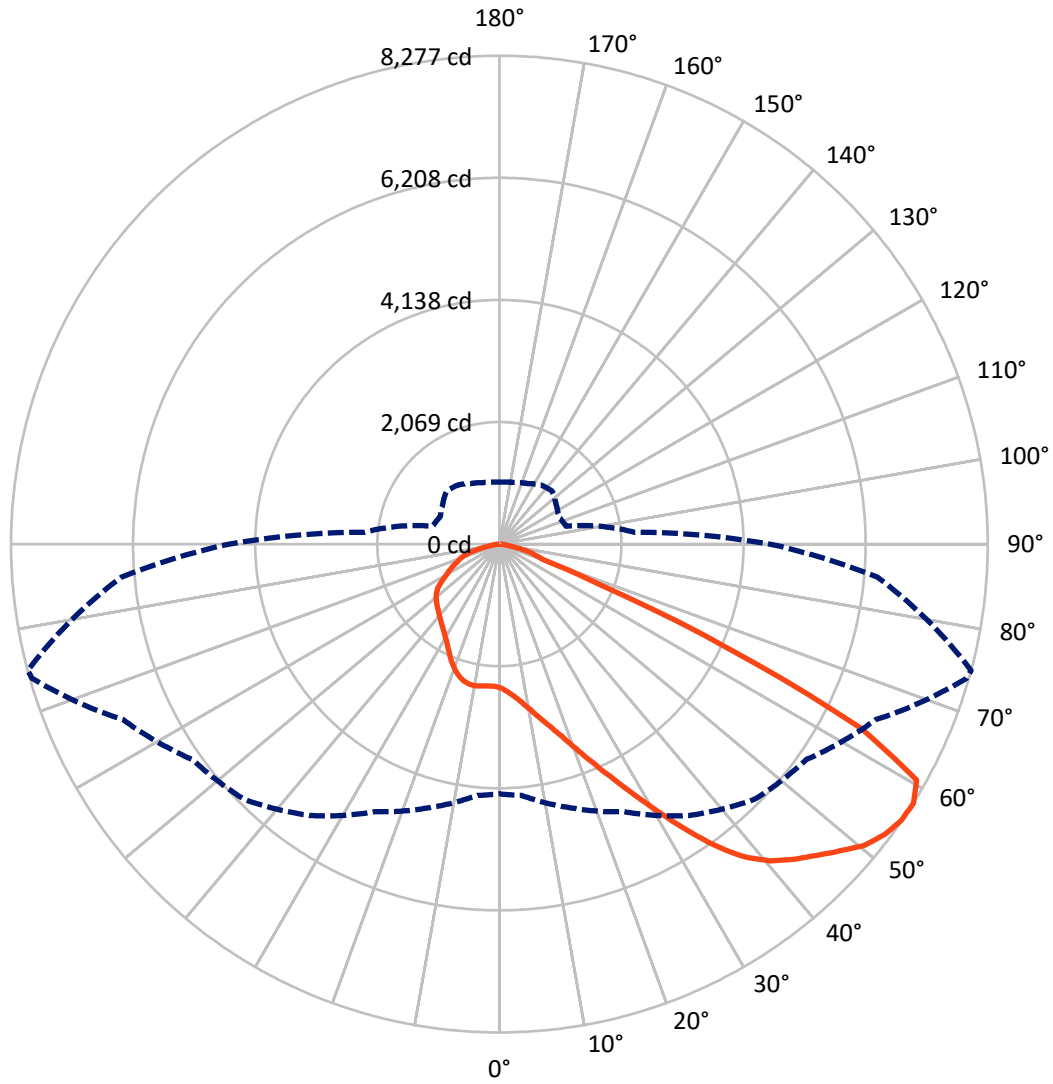
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.6 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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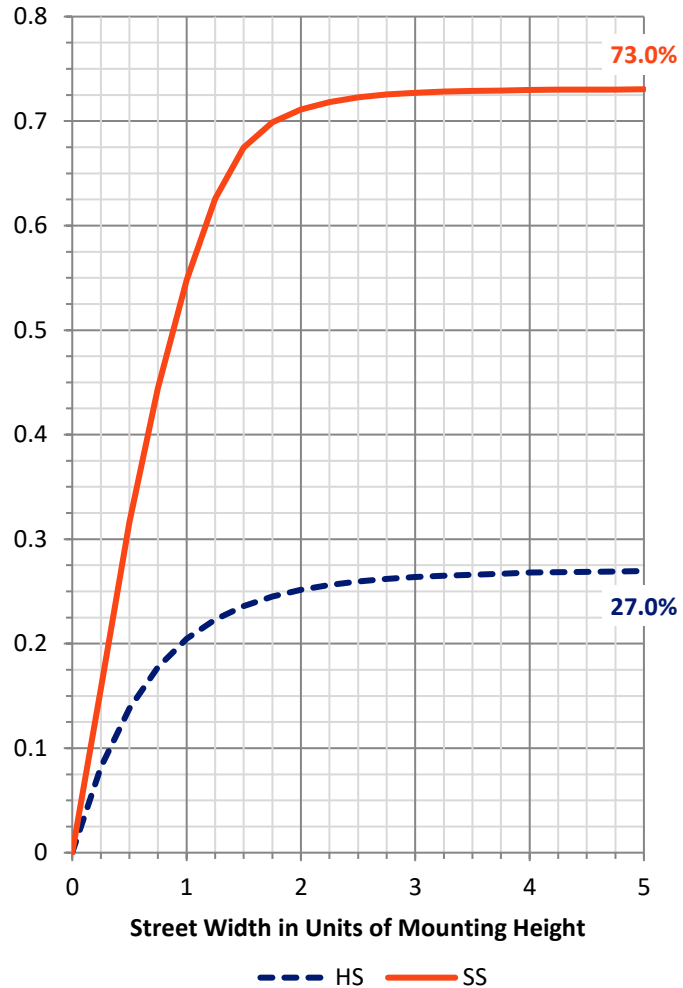
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3517.4	0.0	3517.4
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	9485.0	0.0	9485.0
	% Fixture	72.9	0.0	72.9
Total	Lumens	13002.4	0.0	13002.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.7	1.9
10°-20°	775.8	6.0
20°-30°	1375.9	10.6
30°-40°	2106.2	16.2
40°-50°	2932.7	22.6
50°-60°	3360.3	25.8
60°-70°	1726.6	13.3
70°-80°	434.7	3.3
80°-90°	46.5	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°	13002.4	100.0
0°-180°	13002.4	100.0

Coefficient of Utilization



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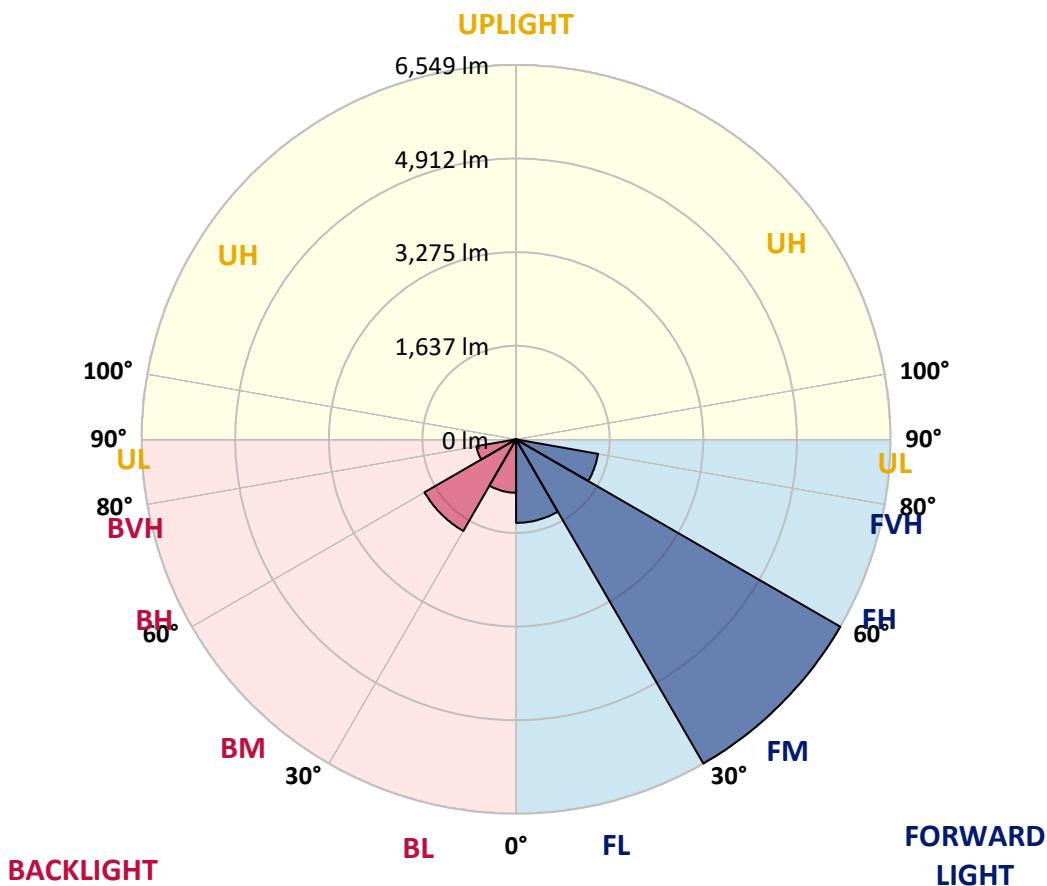
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1460.9	11.2			
FM (30°-60°)	6549.5	50.4			
FH (60°-80°)	1457.4	11.2			G1/1800
FVH (80°-90°)	17.2	0.1			G1/100
BL (0°-30°)	934.4	7.2	B2/1000		
BM (30°-60°)	1849.8	14.2	B2/2500		
BH (60°-80°)	703.9	5.4	B2/1000		G2/1000
BVH (80°-90°)	29.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2435.0	2435.0	2435.0	2435.0	2435.0	2435.0	2435.0	2435.0	2435.0	2435.0	2435.0
2.5°	2616.2	2622.9	2616.2	2627.3	2605.0	2594.9	2570.3	2533.4	2504.4	2499.9	2467.5
5°	2819.6	2834.2	2825.2	2820.8	2790.6	2768.2	2731.3	2657.5	2597.1	2588.2	2524.5
7.5°	2950.4	2960.5	2960.5	2963.9	2952.7	2927.0	2887.8	2800.6	2715.7	2702.2	2606.1
10°	2994.0	3001.9	3016.4	3044.4	3066.7	3074.5	3048.8	2965.0	2861.0	2847.6	2713.4
12.5°	3004.1	3013.1	3035.4	3086.8	3148.3	3204.2	3208.7	3147.2	3030.9	3016.4	2837.5
15°	3023.1	3032.1	3062.2	3126.0	3216.5	3323.9	3389.8	3347.3	3218.8	3203.1	2978.4
17.5°	3020.9	3030.9	3075.7	3160.6	3282.5	3437.9	3565.4	3583.2	3450.2	3423.4	3138.3
20°	3015.3	3024.2	3072.3	3176.3	3327.2	3540.8	3771.1	3863.9	3720.8	3696.2	3325.0
22.5°	3060.0	3070.1	3107.0	3193.1	3350.7	3620.1	3961.1	4184.7	4041.6	4007.0	3539.6
25°	3160.6	3175.2	3197.5	3256.8	3393.2	3690.6	4155.7	4548.1	4401.6	4360.3	3773.3
27.5°	3316.0	3333.9	3365.2	3393.2	3488.2	3780.0	4349.1	4955.0	4808.6	4765.0	4020.4
30°	3506.1	3529.6	3569.8	3588.8	3653.7	3911.9	4559.3	5374.3	5289.3	5229.0	4298.8
32.5°	3768.8	3801.3	3839.3	3844.9	3884.0	4112.1	4767.2	5790.2	5789.1	5746.6	4615.2
35°	4110.9	4145.6	4153.4	4161.3	4180.3	4387.1	5018.8	6169.2	6315.7	6266.5	4959.5
37.5°	4484.4	4534.7	4547.0	4512.3	4539.1	4718.0	5301.6	6473.3	6774.1	6721.5	5292.7
40°	4883.5	4903.6	4937.2	4882.4	4915.9	5097.0	5578.9	6667.8	7116.2	7060.3	5555.4
42.5°	5169.7	5206.6	5256.9	5236.8	5255.8	5421.3	5773.4	6761.8	7359.9	7304.0	5744.4
45°	5480.5	5491.7	5524.1	5519.6	5530.8	5685.1	5913.2	6803.1	7577.9	7527.6	5905.4
47.5°	5751.1	5767.8	5789.1	5764.5	5739.9	5840.5	6027.2	6838.9	7829.5	7769.1	6074.2
50°	6011.6	6026.1	6051.8	5980.3	5888.6	5914.3	6083.1	6888.1	8065.4	8022.9	6207.2
52.5°	6059.6	6075.3	6196.0	6210.6	6093.2	6002.6	6181.5	6996.5	8204.0	8177.2	6255.3
55°	5454.8	5482.7	5723.1	5999.3	6288.8	6259.8	6339.1	7053.6	8258.8	8265.5	6341.4
57.5°	4233.9	4274.2	4625.2	5004.2	5613.6	6117.8	6359.3	7039.0	8239.8	8276.7	6429.7
60°	2777.2	2800.6	3216.5	3641.4	4273.1	4970.7	5691.8	6777.4	8071.0	8123.5	6407.3
62.5°	1677.0	1703.9	2038.1	2360.1	2732.4	3198.6	3860.5	5447.0	6765.1	6882.5	5131.7
65°	1170.6	1206.3	1499.3	1764.2	1892.8	1796.7	1955.4	3042.1	4214.9	4264.1	3136.0
67.5°	848.6	873.2	1113.5	1428.8	1570.8	1268.9	967.1	1347.2	1835.8	1853.7	1293.5
70°	555.7	583.6	801.6	1087.8	1282.4	1028.6	723.4	728.9	772.5	781.5	751.3
72.5°	305.2	322.0	495.3	722.2	758.0	614.9	564.6	606.0	636.2	636.2	644.0
75°	157.6	172.2	202.4	238.1	287.3	336.5	407.0	468.4	500.9	503.1	499.8
77.5°	80.5	86.1	108.4	117.4	128.6	149.8	194.5	249.3	278.4	289.6	287.3
80°	38.0	40.2	45.8	53.7	66.0	83.9	105.1	125.2	143.1	145.3	157.6
82.5°	20.1	22.4	24.6	29.1	35.8	44.7	61.5	73.8	85.0	87.2	97.3
85°	7.8	8.9	10.1	11.2	15.7	19.0	25.7	34.7	42.5	42.5	50.3
87.5°	0.0	0.0	0.0	0.0	1.1	2.2	4.5	5.6	7.8	7.8	13.4
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°	2435.0	2435.0	2435.0	2435.0	2435.0	2435.0	2435.0	2435.0	2435.0	2435.0	2435.0
2.5°	2459.6	2427.2	2412.7	2389.2	2370.2	2349.0	2332.2	2319.9	2312.1	2307.6	2303.1
5°	2499.9	2450.7	2411.6	2364.6	2332.2	2300.9	2275.2	2257.3	2248.3	2241.6	2237.1
7.5°	2562.5	2496.5	2422.7	2350.1	2293.0	2242.7	2210.3	2191.3	2179.0	2174.5	2171.2
10°	2648.6	2556.9	2435.0	2319.9	2234.9	2180.1	2157.8	2148.8	2149.9	2147.7	2146.6
12.5°	2745.8	2620.6	2431.7	2266.2	2172.3	2139.9	2141.0	2155.5	2172.3	2176.8	2177.9
15°	2850.9	2683.2	2399.3	2196.9	2123.1	2126.5	2155.5	2190.2	2221.5	2233.8	2236.0
17.5°	2965.0	2735.8	2340.0	2120.9	2082.9	2118.6	2172.3	2229.3	2275.2	2295.3	2300.9
20°	3092.4	2780.5	2256.2	2046.0	2044.9	2104.1	2182.4	2257.3	2315.4	2342.2	2346.7
22.5°	3227.7	2808.5	2153.3	1976.7	2005.7	2085.1	2174.5	2252.8	2314.3	2341.1	2346.7
25°	3364.1	2817.4	2040.4	1912.9	1965.5	2054.9	2136.5	2199.1	2257.3	2280.8	2285.2
27.5°	3491.6	2791.7	1933.0	1858.1	1928.6	2010.2	2065.0	2098.5	2138.8	2156.7	2160.0
30°	3621.3	2740.3	1842.5	1814.5	1887.2	1948.7	1973.3	1975.5	1991.2	1991.2	1993.4
32.5°	3752.1	2664.2	1763.1	1772.1	1835.8	1876.0	1879.4	1853.7	1834.7	1803.4	1802.2
35°	3903.0	2587.1	1698.3	1724.0	1775.4	1800.0	1789.9	1740.7	1694.9	1643.5	1641.2
37.5°	4042.7	2507.7	1643.5	1674.8	1707.2	1725.1	1701.6	1642.4	1604.4	1551.8	1544.0
40°	4157.9	2436.2	1590.9	1623.4	1639.0	1654.7	1616.7	1568.6	1574.2	1545.1	1544.0
42.5°	4225.0	2366.8	1541.7	1566.3	1576.4	1587.6	1554.0	1518.3	1548.5	1526.1	1527.2
45°	4274.2	2306.5	1497.0	1506.0	1530.6	1547.3	1516.0	1475.8	1482.5	1396.4	1376.3
47.5°	4330.1	2272.9	1454.5	1445.6	1489.2	1518.3	1470.2	1412.1	1371.8	1286.8	1279.0
50°	4389.3	2260.6	1409.8	1385.2	1437.8	1465.7	1409.8	1337.1	1284.6	1238.8	1234.3
52.5°	4409.5	2259.5	1353.9	1312.5	1365.1	1404.2	1357.3	1283.5	1220.9	1176.2	1173.9
55°	4488.8	2291.9	1282.4	1213.0	1262.2	1342.7	1308.1	1201.9	1151.6	1131.4	1129.2
57.5°	4581.6	2297.5	1169.4	1104.6	1172.8	1267.8	1224.2	1132.5	1077.8	1053.2	1050.9
60°	4543.6	2160.0	1048.7	1021.9	1096.8	1197.4	1157.1	1077.8	1014.0	990.6	988.3
62.5°	3462.5	1525.0	960.4	950.3	1015.2	1095.7	1087.8	1005.1	944.7	928.0	925.7
65°	2082.9	1071.1	875.4	874.3	920.1	997.3	1007.3	940.3	876.5	853.0	853.0
67.5°	1029.7	819.5	779.3	773.7	802.7	857.5	900.0	845.2	791.6	769.2	765.8
70°	727.8	722.2	708.8	693.2	698.8	721.1	739.0	693.2	636.2	613.8	609.3
72.5°	629.4	630.6	621.6	609.3	604.8	589.2	573.5	540.0	505.3	481.9	484.1
75°	488.6	490.8	496.4	491.9	479.6	462.9	446.1	403.6	375.7	353.3	348.8
77.5°	285.1	296.3	314.2	309.7	311.9	288.4	281.7	240.4	214.7	199.0	195.7
80°	161.0	167.7	175.5	181.1	174.4	164.3	149.8	127.5	119.6	108.4	106.2
82.5°	97.3	104.0	107.3	111.8	109.6	96.1	85.0	70.4	63.7	58.1	57.0
85°	49.2	53.7	57.0	59.3	52.5	43.6	39.1	31.3	26.8	23.5	23.5
87.5°	12.3	13.4	15.7	13.4	12.3	5.6	4.5	1.1	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)