

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: P641695

Luminaire Tested: GWS-SA6B-735-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641695
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-735-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20170.5 lumens
Efficiency: N/A
Efficacy: 145.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

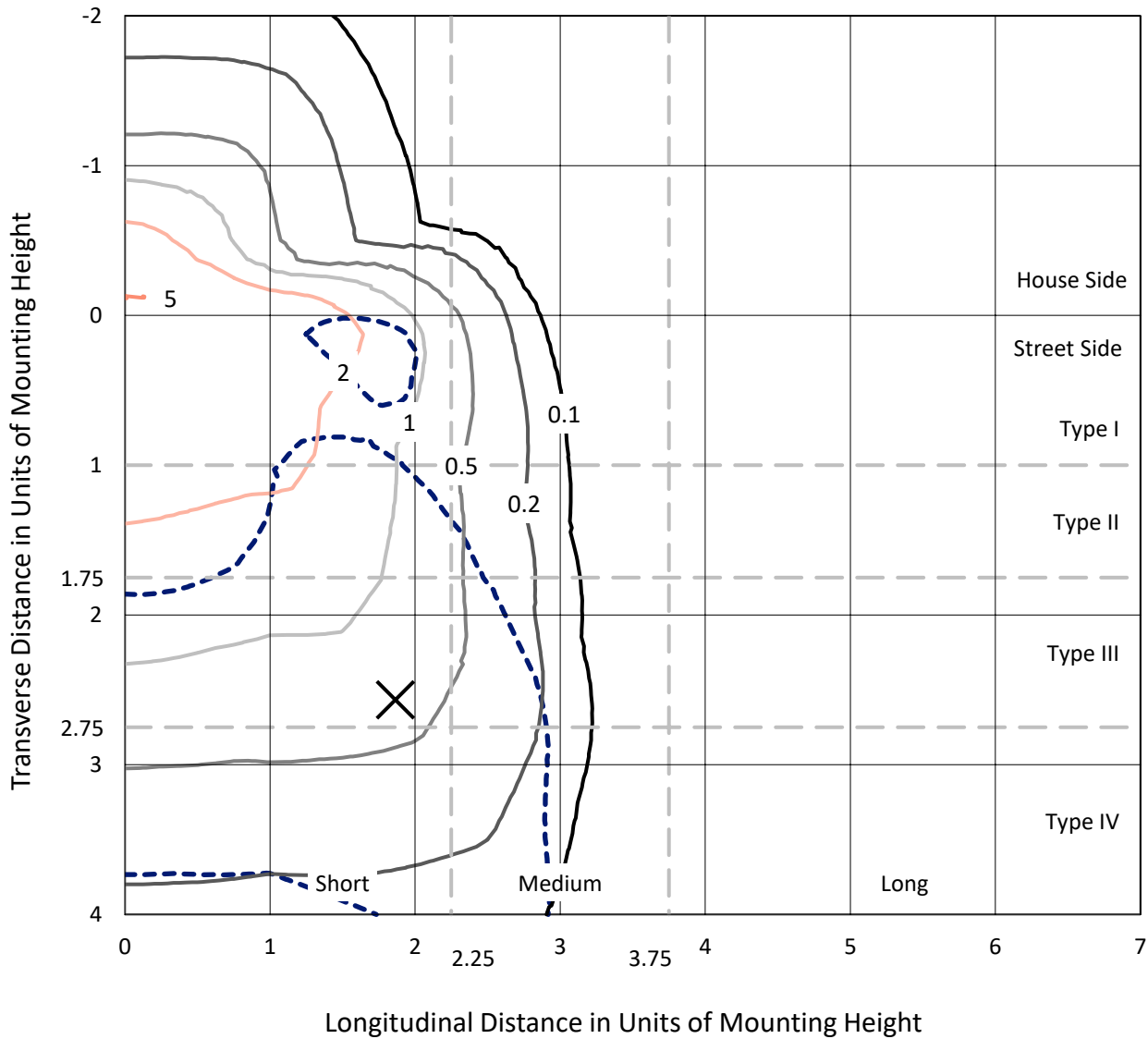
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

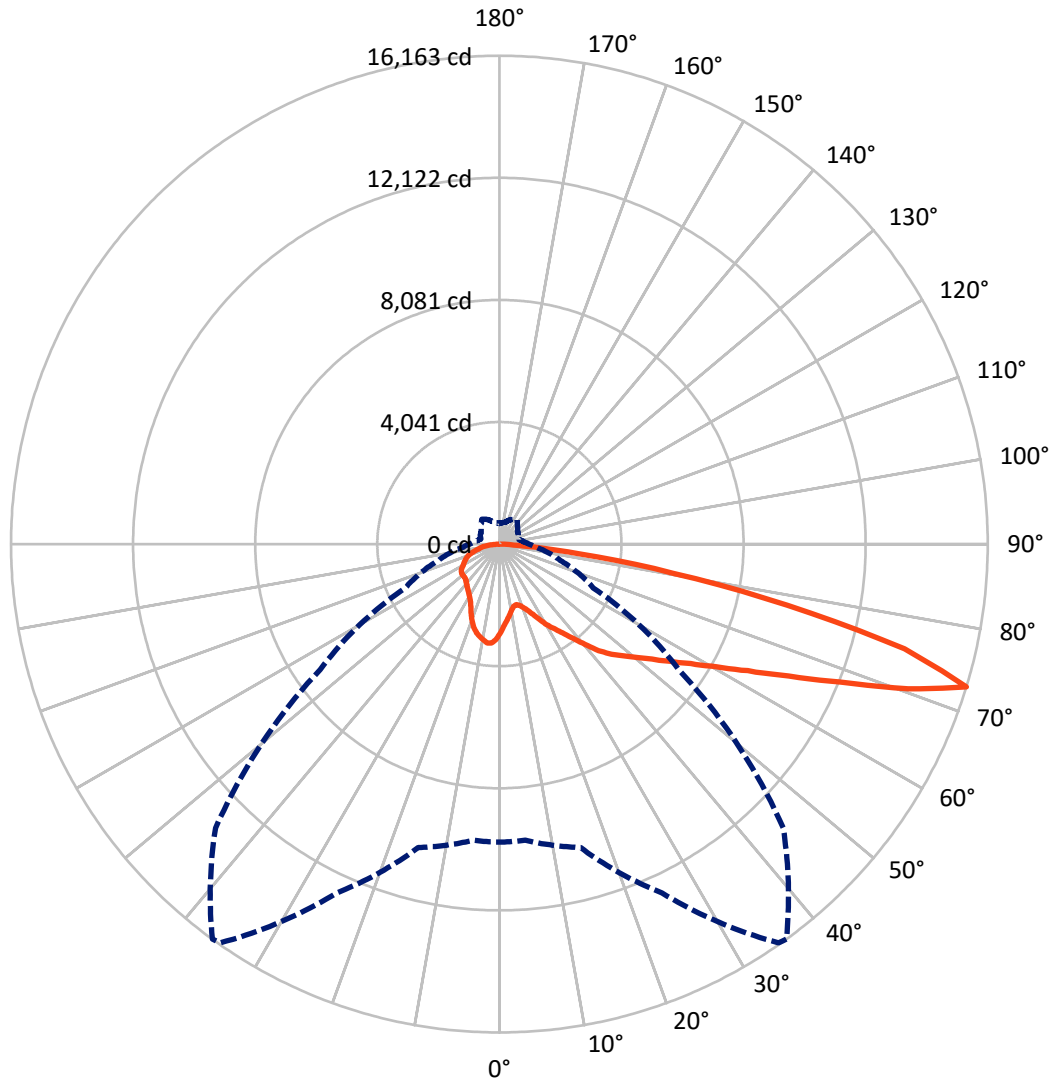
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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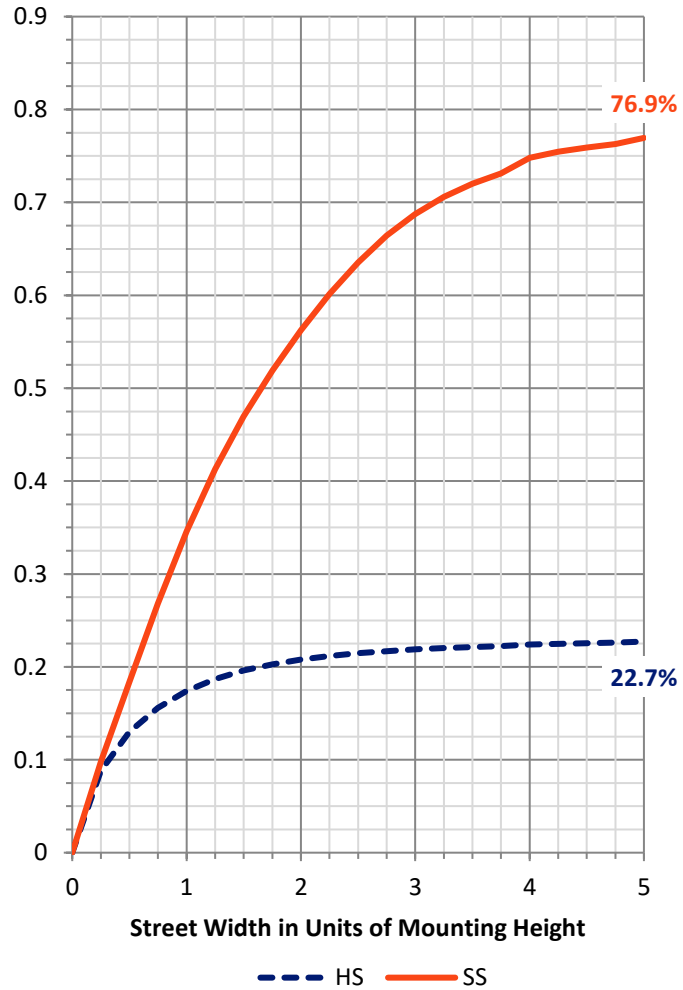
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4650.2	0.0	4650.2
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	15520.3	0.0	15520.3
	% Fixture	76.9	0.0	76.9
Total	Lumens	20170.5	0.0	20170.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.9	1.4
10°-20°	778.5	3.9
20°-30°	1289.3	6.4
30°-40°	1930.9	9.6
40°-50°	2817.0	14.0
50°-60°	4009.4	19.9
60°-70°	5065.6	25.1
70°-80°	3609.7	17.9
80°-90°	394.1	2.0
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°	20170.5	100.0
0°-180°	20170.5	100.0

Coefficient of Utilization



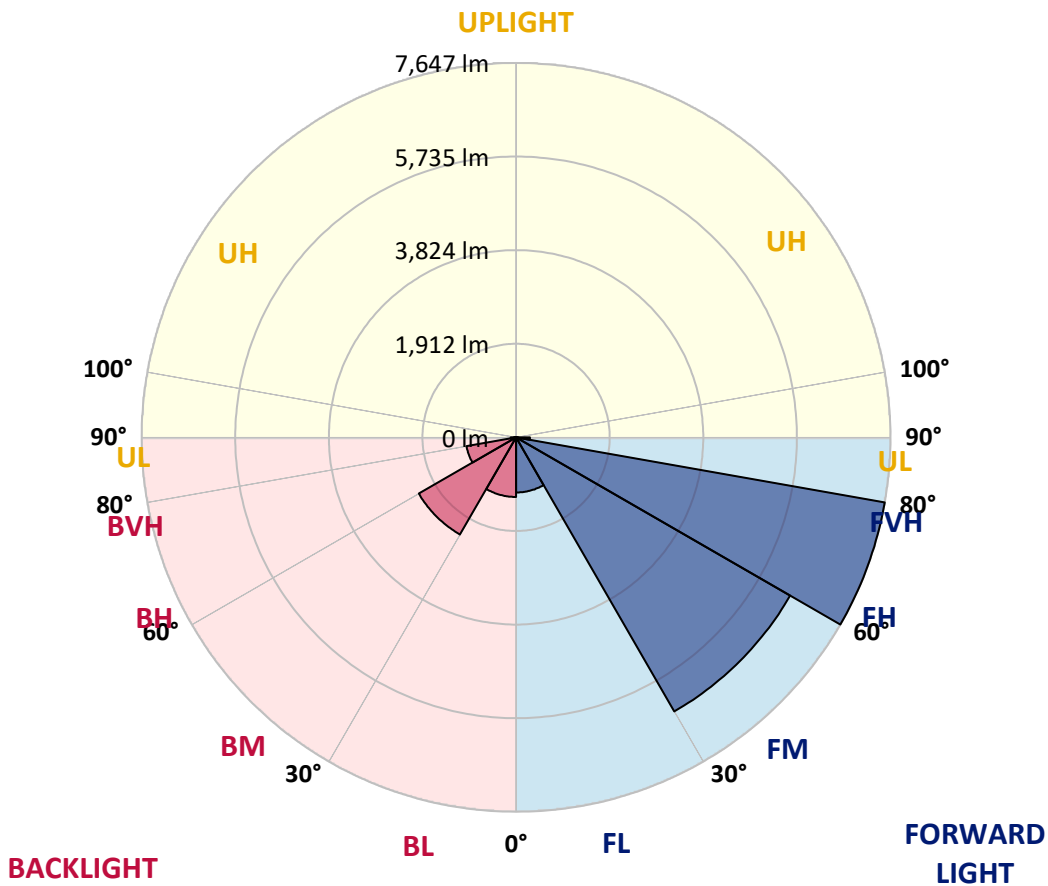
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1126.1	5.6			
FM (30°-60°)	6464.1	32.0			
FH (60°-80°)	7647.3	37.9			G4/12000
FVH (80°-90°)	282.8	1.4			G3/500
BL (0°-30°)	1217.7	6.0	B3/2500		
BM (30°-60°)	2293.2	11.4	B2/2500		
BH (60°-80°)	1028.0	5.1	B3/2500		G3/2500
BVH (80°-90°)	111.2	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	2952.0	2952.0	2952.0	2952.0	2952.0	2952.0	2952.0	2952.0	2952.0	2952.0	2952.0
2.5°	2693.1	2688.6	2679.6	2706.5	2733.5	2730.5	2767.9	2803.8	2842.8	2883.2	2937.1
5°	2477.5	2474.5	2467.0	2507.4	2547.9	2546.4	2607.7	2666.1	2745.5	2832.3	2940.1
7.5°	2261.9	2254.5	2264.9	2315.8	2372.7	2378.7	2462.5	2558.3	2673.6	2803.8	2956.5
10°	2071.8	2070.3	2074.8	2131.7	2217.0	2223.0	2330.8	2464.0	2616.7	2790.4	2994.0
12.5°	2022.4	2019.4	2007.4	2035.9	2100.3	2109.2	2227.5	2390.7	2577.8	2797.9	3044.9
15°	2103.3	2095.8	2053.9	2040.4	2071.8	2079.3	2179.6	2347.3	2555.3	2811.3	3109.2
17.5°	2242.5	2238.0	2158.6	2103.3	2124.2	2130.2	2205.1	2339.8	2549.4	2838.3	3188.6
20°	2446.1	2426.6	2302.4	2218.5	2218.5	2227.5	2272.4	2372.7	2556.8	2871.2	3278.4
22.5°	2715.5	2676.6	2501.5	2387.7	2357.7	2369.7	2389.2	2455.0	2588.3	2926.6	3390.7
25°	3017.9	2982.0	2773.9	2613.7	2571.8	2576.3	2559.8	2571.8	2657.1	3002.9	3529.9
27.5°	3339.8	3315.8	3094.3	2890.7	2824.8	2824.8	2766.4	2738.0	2752.9	3089.8	3685.6
30°	3627.2	3594.2	3407.1	3184.1	3097.3	3097.3	2986.5	2925.1	2889.2	3196.1	3893.6
32.5°	3778.4	3758.9	3634.7	3464.0	3357.7	3341.3	3245.5	3173.6	3089.8	3353.2	4175.1
35°	3976.0	3971.5	3896.6	3763.4	3628.7	3604.7	3538.9	3482.0	3336.8	3549.3	4549.3
37.5°	4224.5	4217.0	4205.0	4125.7	3964.0	3959.5	3901.1	3832.3	3643.6	3832.3	5002.9
40°	4502.9	4489.4	4474.5	4473.0	4375.7	4359.2	4354.7	4276.9	4013.4	4173.6	5475.9
42.5°	4886.1	4839.7	4699.0	4761.9	4833.7	4818.8	4875.7	4758.9	4474.5	4579.3	5923.5
45°	5357.7	5243.9	4965.5	4983.4	5164.6	5194.5	5392.1	5363.7	4981.9	5047.8	6395.1
47.5°	5640.6	5541.8	5282.8	5267.9	5493.9	5531.3	5961.0	6014.9	5528.3	5612.2	6977.4
50°	5872.6	5803.8	5591.2	5612.2	5851.7	5889.1	6525.3	6640.6	6043.3	6190.0	7654.1
52.5°	6152.6	6053.8	5889.1	5987.9	6281.3	6326.2	7152.6	7276.8	6507.4	6824.7	8354.6
55°	6309.8	6269.3	6272.3	6423.5	6791.8	6853.2	7809.7	7788.8	6932.5	7368.1	8881.6
57.5°	6672.0	6657.1	6794.8	6851.7	7387.6	7466.9	8466.9	8287.3	7318.7	7788.8	9134.6
60°	7311.2	7273.8	7393.6	7480.4	8124.1	8236.4	9200.4	8775.3	7580.7	8101.7	9049.2
62.5°	8209.4	8163.0	8167.5	8305.2	9110.6	9228.9	10016.3	9182.5	7661.5	8149.6	8508.8
65°	9326.2	9258.8	9182.5	9369.6	10420.5	10519.3	10904.0	9478.9	7468.4	7688.5	7380.1
67.5°	10504.3	10448.9	10359.1	10751.3	12116.5	12176.4	11899.5	9453.4	6856.2	6455.0	5176.6
70°	10573.2	10586.6	11011.8	12430.9	14330.6	14345.6	12841.1	8941.5	5552.3	4184.1	2579.3
72.5°	9863.6	9841.1	10395.0	12737.8	16112.0	16162.9	13285.7	7243.9	3431.1	2086.8	1209.6
75°	8011.8	8050.8	8633.1	11145.0	13809.6	13854.5	10830.6	4270.9	1630.2	1020.9	773.9
77.5°	3449.0	3666.1	4814.3	7851.7	9890.5	9751.3	5582.2	1730.5	869.7	727.5	592.8
80°	995.5	1080.8	1715.5	3733.5	5926.5	5821.8	2209.5	648.2	606.3	546.4	425.1
82.5°	321.9	356.3	628.7	1486.5	2655.6	2652.6	838.3	383.2	396.7	371.3	273.9
85°	89.8	103.3	193.1	450.6	821.8	805.4	242.5	181.1	211.1	214.1	136.2
87.5°	0.0	0.0	1.5	3.0	3.0	3.0	6.0	26.9	61.4	77.8	55.4
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°	2952.0	2952.0	2952.0	2952.0	2952.0	2952.0	2952.0	2952.0	2952.0	2952.0	2952.0
2.5°	2970.0	2965.5	3026.9	3074.8	3119.7	3149.6	3158.6	3164.6	3176.6	3182.6	3176.6
5°	2991.0	3013.4	3115.2	3190.1	3249.9	3285.9	3287.4	3284.4	3293.4	3285.9	3281.4
7.5°	3035.9	3079.3	3208.0	3287.4	3326.3	3327.8	3291.9	3249.9	3229.0	3211.0	3205.0
10°	3095.8	3160.1	3300.8	3353.2	3341.3	3285.9	3206.5	3140.7	3103.2	3076.3	3070.3
12.5°	3178.1	3249.9	3383.2	3381.7	3306.8	3208.0	3115.2	3035.9	2982.0	2950.5	2940.1
15°	3255.9	3347.2	3443.1	3372.7	3254.4	3134.7	3014.9	2908.6	2836.8	2787.4	2778.4
17.5°	3351.7	3449.0	3486.5	3344.3	3188.6	3034.4	2874.2	2735.0	2637.7	2579.3	2574.8
20°	3462.5	3549.3	3507.4	3294.9	3103.2	2901.1	2684.1	2528.4	2423.6	2366.7	2371.2
22.5°	3591.3	3654.1	3513.4	3227.5	2985.0	2712.5	2470.0	2320.3	2250.0	2220.0	2221.5
25°	3729.0	3769.4	3502.9	3136.2	2803.8	2482.0	2250.0	2181.1	2175.1	2167.6	2170.6
27.5°	3892.1	3883.2	3471.5	3007.4	2559.8	2214.0	2095.8	2113.7	2137.7	2134.7	2137.7
30°	4110.7	4025.4	3431.1	2829.3	2269.4	1989.5	2004.5	2055.4	2086.8	2089.8	2098.8
32.5°	4360.7	4182.6	3366.7	2586.8	1992.5	1863.7	1919.1	1980.5	2017.9	2025.4	2037.4
35°	4658.6	4362.2	3252.9	2284.4	1793.4	1788.9	1839.8	1881.7	1922.1	1925.1	1925.1
37.5°	5001.4	4541.8	3071.8	1950.6	1670.6	1724.5	1772.4	1781.4	1791.9	1782.9	1787.4
40°	5315.8	4715.5	2814.3	1646.7	1570.3	1667.6	1708.1	1678.1	1645.2	1622.7	1627.2
42.5°	5579.2	4833.7	2473.0	1434.1	1468.5	1616.7	1648.2	1586.8	1522.4	1480.5	1486.5
45°	5875.6	4943.0	2071.8	1290.4	1381.7	1580.8	1601.8	1522.4	1440.1	1377.2	1368.2
47.5°	6284.3	5166.1	1715.5	1190.1	1320.3	1561.3	1595.8	1488.0	1380.2	1285.9	1275.4
50°	6788.8	5481.9	1417.6	1124.2	1291.9	1550.9	1594.3	1450.6	1321.8	1211.1	1203.6
52.5°	7339.7	5790.3	1197.6	1073.3	1263.5	1519.4	1586.8	1408.7	1260.5	1140.7	1131.7
55°	7706.4	5911.6	1049.4	1025.4	1217.0	1470.0	1556.9	1368.2	1167.6	1058.4	1044.9
57.5°	7814.2	5755.9	946.1	982.0	1157.2	1401.2	1500.0	1282.9	1110.8	1023.9	1013.5
60°	7628.6	5363.7	881.7	946.1	1091.3	1312.9	1401.2	1233.5	1065.8	988.0	980.5
62.5°	7104.7	4758.9	832.3	908.7	1023.9	1220.0	1338.3	1173.6	1016.4	955.1	944.6
65°	6050.8	3902.6	791.9	869.7	959.6	1131.7	1269.4	1113.8	962.6	916.2	904.2
67.5°	4232.0	2741.0	748.5	823.3	895.2	1046.4	1197.6	1058.4	907.2	872.7	860.8
70°	2068.8	1453.6	696.1	769.4	826.3	959.6	1125.7	991.0	833.8	814.4	797.9
72.5°	985.0	812.9	634.7	696.1	732.0	844.3	1006.0	893.7	747.0	705.1	676.6
75°	660.2	577.8	553.9	609.3	618.3	708.1	862.3	770.9	658.7	610.8	586.8
77.5°	500.0	441.6	465.6	515.0	497.0	582.3	709.6	687.1	594.3	550.9	538.9
80°	351.8	321.9	369.8	399.7	386.2	495.5	639.2	588.3	489.5	441.6	432.6
82.5°	221.6	215.6	272.5	276.9	281.4	392.2	525.4	462.6	380.2	312.9	290.4
85°	110.8	122.8	163.2	163.2	161.7	202.1	299.4	260.5	205.1	163.2	158.7
87.5°	37.4	52.4	70.4	56.9	43.4	34.4	38.9	47.9	50.9	49.4	49.4
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)