

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: P642426

Luminaire Tested: GWS-SA6C-830-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642426
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-830-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14619.4 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

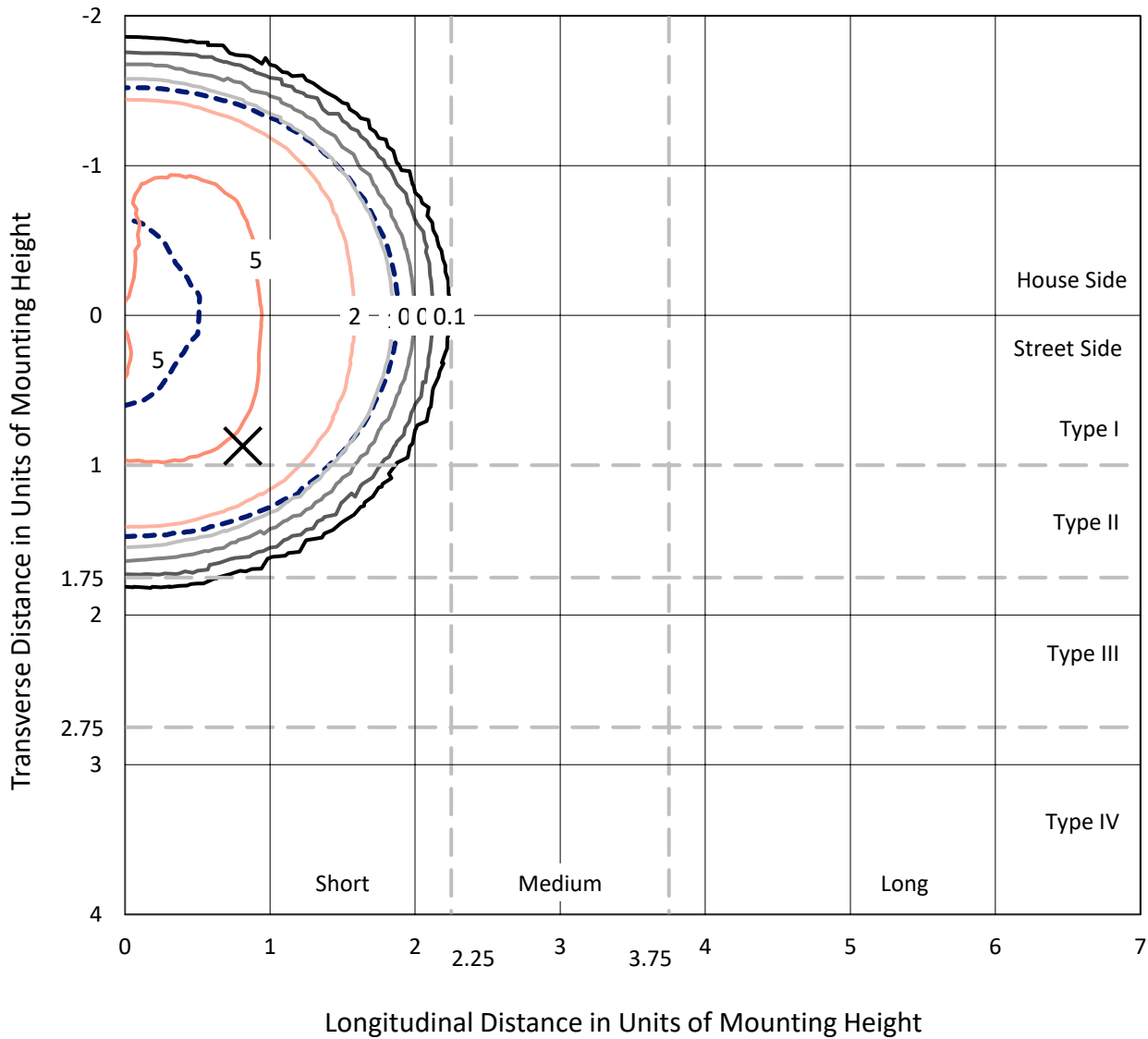
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

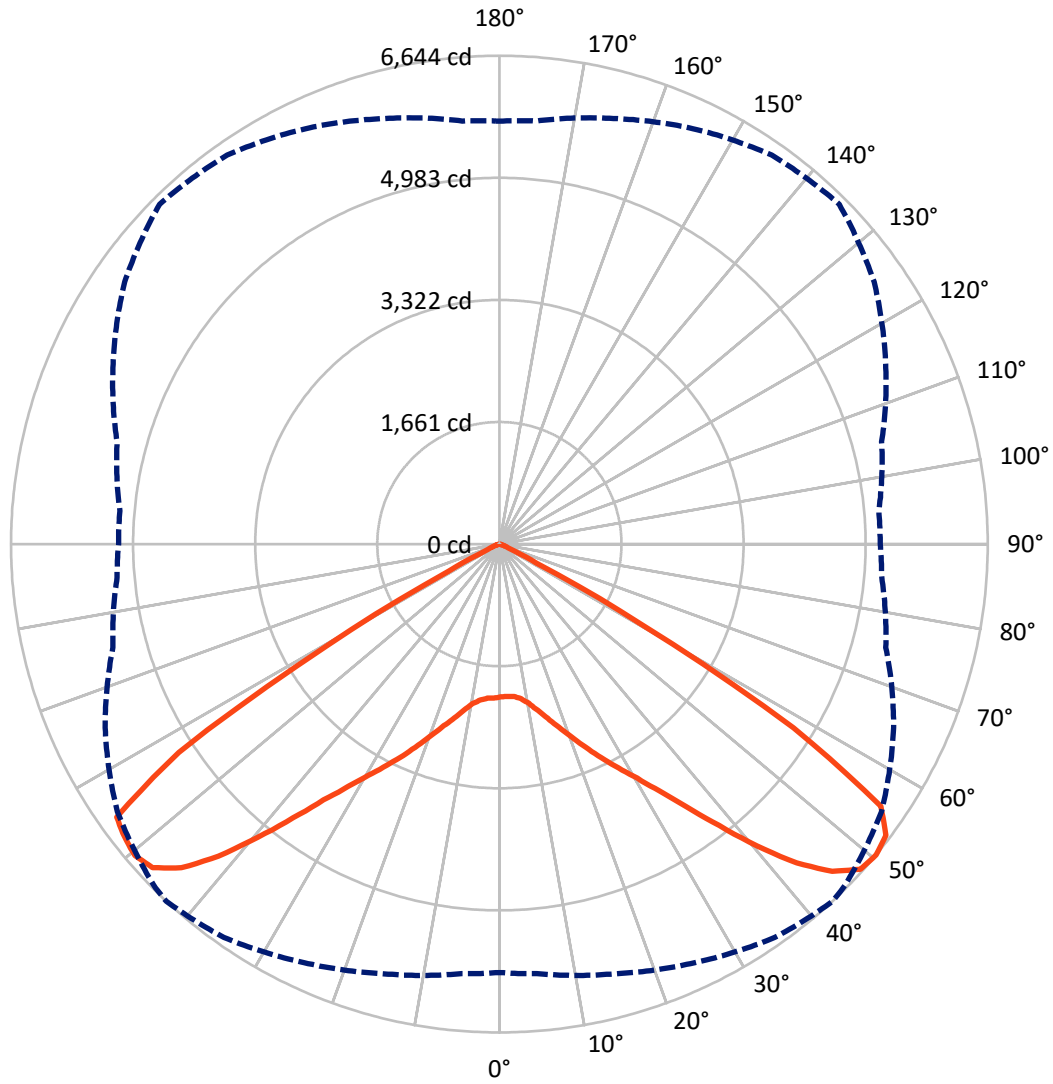
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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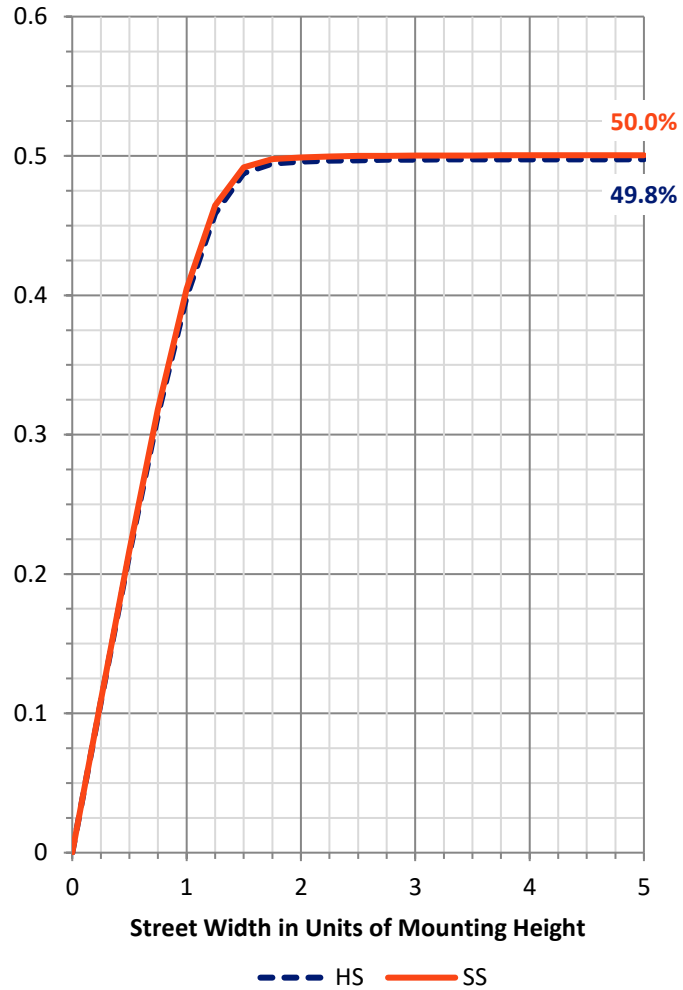
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7309.5	0.0	7309.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7309.9	0.0	7309.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	14619.4	0.0	14619.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.8	1.4
10°-20°	704.7	4.8
20°-30°	1425.7	9.8
30°-40°	2645.1	18.1
40°-50°	4390.8	30.0
50°-60°	4481.0	30.7
60°-70°	734.8	5.0
70°-80°	32.2	0.2
80°-90°	0.4	0.0
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°	14619.4	100.0
0°-180°	14619.4	100.0

Coefficient of Utilization



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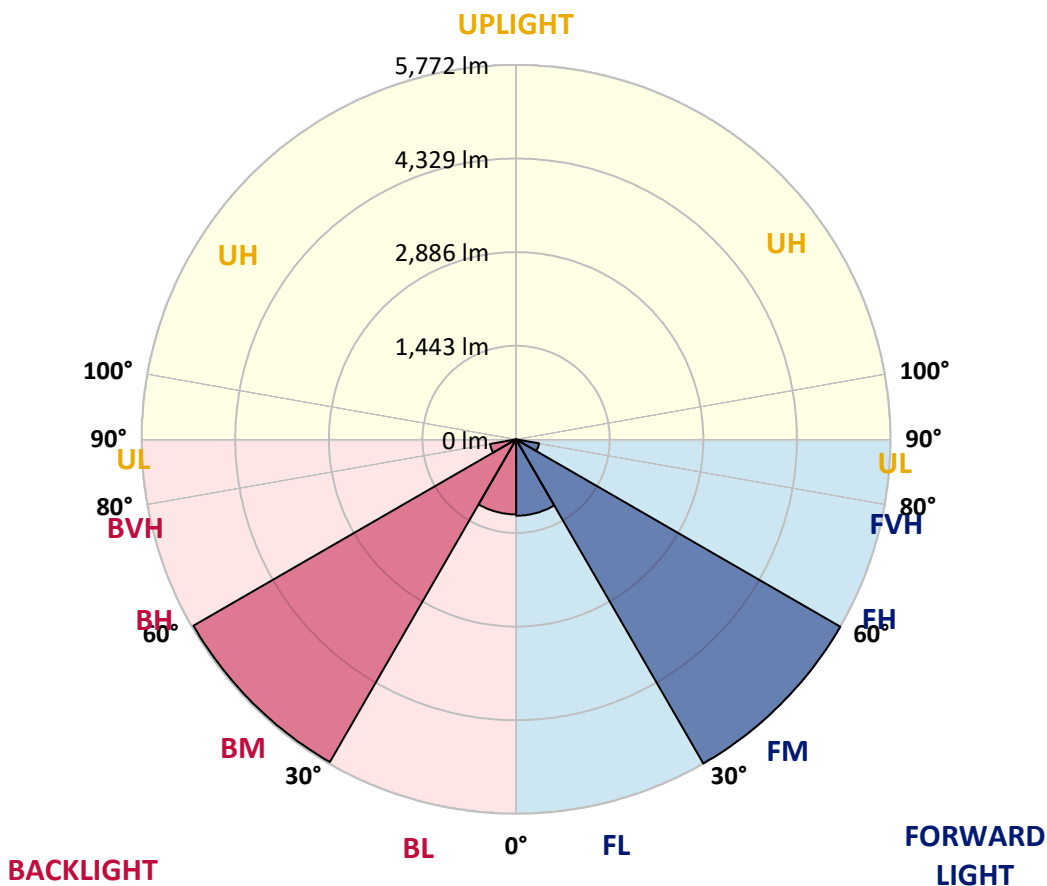
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1177.8	8.1			
FM (30°-60°)	5772.4	39.5			
FH (60°-80°)	359.5	2.5			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	1157.3	7.9	B3/2500		
BM (30°-60°)	5744.4	39.3	B4/8500		
BH (60°-80°)	407.5	2.8	B1/500		G0/660
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	2079.4	2079.4	2079.4	2079.4	2079.4	2079.4	2079.4	2079.4	2079.4	2079.4	2079.4
2.5°	2040.6	2045.4	2051.9	2058.4	2066.4	2074.5	2079.4	2093.9	2090.7	2103.6	2103.6
5°	2017.9	2022.8	2030.9	2045.4	2063.2	2081.0	2093.9	2123.0	2139.2	2165.1	2174.8
7.5°	2029.3	2035.7	2045.4	2068.1	2095.5	2123.0	2137.6	2184.5	2216.8	2265.3	2292.8
10°	2066.4	2072.9	2089.1	2127.9	2163.5	2202.3	2220.1	2279.9	2331.6	2397.9	2436.7
12.5°	2108.5	2116.6	2148.9	2207.1	2268.6	2320.3	2344.6	2410.9	2464.2	2538.6	2600.0
15°	2152.1	2165.1	2215.2	2300.9	2388.2	2457.7	2483.6	2554.8	2608.1	2687.3	2756.9
17.5°	2254.0	2268.6	2325.2	2417.3	2537.0	2617.8	2640.5	2714.8	2755.3	2808.6	2881.4
20°	2381.7	2409.2	2478.8	2590.3	2721.3	2798.9	2815.1	2887.8	2884.6	2907.2	2970.3
22.5°	2540.2	2559.6	2635.6	2768.2	2915.3	3001.0	3038.2	3068.9	3028.5	3009.1	3049.5
25°	2705.1	2727.8	2810.2	2955.8	3120.7	3219.3	3250.0	3274.3	3209.6	3136.9	3141.7
27.5°	2918.6	2934.7	3015.6	3170.8	3335.7	3447.3	3474.8	3516.8	3431.1	3314.7	3282.4
30°	3172.4	3188.6	3274.3	3437.6	3600.9	3696.3	3738.4	3790.1	3696.3	3550.8	3513.6
32.5°	3469.9	3486.1	3596.1	3764.2	3898.4	4001.9	4042.3	4097.3	4022.9	3859.6	3817.6
35°	3825.7	3835.4	3964.7	4147.4	4289.7	4390.0	4417.5	4482.1	4399.7	4236.4	4213.7
37.5°	4238.0	4249.3	4390.0	4601.8	4747.3	4858.9	4902.5	4920.3	4820.1	4637.4	4619.6
40°	4690.7	4727.9	4865.4	5093.3	5256.7	5397.3	5436.1	5376.3	5235.6	4986.6	4954.3
42.5°	5162.9	5195.2	5348.8	5596.2	5785.4	5929.3	5930.9	5801.6	5562.3	5217.8	5169.3
45°	5555.8	5568.7	5767.6	6016.6	6249.5	6351.3	6361.0	6126.6	5766.0	5352.1	5248.6
47.5°	5825.8	5846.8	6019.8	6259.2	6516.2	6608.4	6589.0	6296.3	5863.0	5439.4	5268.0
50°	5829.1	5864.6	6052.2	6283.4	6532.4	6644.0	6616.5	6344.9	5918.0	5442.6	5221.1
52.5°	5313.2	5371.5	5677.1	6011.8	6393.4	6584.2	6590.6	6407.9	5897.0	5390.9	5179.0
55°	4008.4	4071.4	4456.3	5027.1	5764.4	6296.3	6388.5	6333.5	5872.7	5413.5	5253.4
57.5°	2121.4	2072.9	2286.3	2852.3	3778.8	4719.8	4989.9	5429.7	5602.7	5441.0	5390.9
60°	462.4	493.2	656.5	884.5	1474.6	2220.1	2483.6	3237.1	4132.9	4530.7	4818.5
62.5°	198.9	195.6	203.7	231.2	337.9	562.7	687.2	1122.2	1770.5	2431.9	2879.8
65°	163.3	164.9	171.4	171.4	160.1	161.7	169.8	257.1	413.9	580.5	779.4
67.5°	122.9	124.5	135.8	139.1	131.0	116.4	114.8	97.0	101.9	127.7	132.6
70°	77.6	77.6	84.1	87.3	87.3	80.8	79.2	69.5	67.9	77.6	87.3
72.5°	42.0	42.0	45.3	46.9	45.3	43.7	43.7	42.0	40.4	46.9	59.8
75°	17.8	17.8	19.4	19.4	17.8	17.8	17.8	17.8	17.8	21.0	32.3
77.5°	3.2	4.9	6.5	4.9	3.2	3.2	3.2	4.9	4.9	6.5	9.7
80°	1.6	1.6	3.2	1.6	0.0	0.0	0.0	0.0	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2079.4	2079.4	2079.4	2079.4	2079.4	2079.4	2079.4	2079.4	2079.4	2079.4	2079.4
2.5°	2115.0	2097.2	2103.6	2106.9	2102.0	2098.8	2081.0	2076.1	2068.1	2055.1	2051.9
5°	2186.1	2171.5	2169.9	2160.2	2137.6	2110.1	2076.1	2061.6	2045.4	2029.3	2026.0
7.5°	2305.7	2288.0	2276.6	2244.3	2192.6	2148.9	2092.3	2061.6	2040.6	2019.6	2014.7
10°	2459.4	2438.3	2406.0	2346.2	2276.6	2213.6	2147.3	2106.9	2074.5	2045.4	2043.8
12.5°	2622.7	2600.0	2541.8	2465.8	2381.7	2323.5	2239.5	2182.9	2134.4	2090.7	2085.8
15°	2794.1	2766.6	2687.3	2596.8	2519.2	2459.4	2367.2	2276.6	2202.3	2139.2	2132.7
17.5°	2925.0	2891.1	2797.3	2729.4	2666.3	2604.9	2501.4	2381.7	2283.1	2207.1	2189.3
20°	3007.5	2975.2	2886.2	2849.0	2819.9	2776.3	2653.4	2528.9	2418.9	2325.2	2309.0
22.5°	3086.7	3047.9	2970.3	2970.3	2992.9	2975.2	2842.6	2700.3	2570.9	2462.6	2438.3
25°	3175.7	3144.9	3090.0	3135.2	3191.8	3190.2	3054.4	2876.5	2727.8	2606.5	2582.2
27.5°	3305.0	3274.3	3254.9	3340.6	3411.7	3406.9	3258.1	3065.7	2908.9	2789.2	2766.6
30°	3533.0	3503.9	3482.9	3586.4	3676.9	3643.0	3479.6	3293.7	3135.2	2999.4	2983.2
32.5°	3837.0	3806.3	3778.8	3882.3	3963.1	3919.5	3764.2	3589.6	3406.9	3274.3	3242.0
35°	4236.4	4171.7	4144.2	4267.1	4301.0	4252.5	4103.8	3950.2	3756.1	3604.1	3583.1
37.5°	4648.7	4572.7	4553.3	4660.0	4715.0	4697.2	4522.6	4362.5	4152.3	3984.1	3959.9
40°	5001.2	4931.7	4897.7	5064.2	5188.7	5200.1	5043.2	4847.6	4600.2	4425.6	4381.9
42.5°	5208.1	5148.3	5140.2	5398.9	5602.7	5748.2	5560.6	5358.5	5098.2	4900.9	4865.4
45°	5255.0	5216.2	5284.1	5623.7	5940.6	6205.8	6045.7	5832.3	5550.9	5342.4	5308.4
47.5°	5250.2	5237.3	5358.5	5740.1	6141.1	6467.7	6388.5	6147.6	5875.9	5657.7	5625.3
50°	5180.7	5182.3	5384.4	5798.3	6222.0	6538.9	6459.7	6236.5	5994.0	5778.9	5753.1
52.5°	5153.2	5143.5	5335.9	5780.5	6304.4	6506.5	6328.7	6078.1	5808.0	5542.9	5504.0
55°	5250.2	5225.9	5342.4	5766.0	6314.1	6488.8	6019.8	5476.6	4923.6	4609.9	4584.0
57.5°	5395.7	5369.8	5424.8	5659.3	5808.0	5395.7	4430.4	3554.0	2984.9	2743.9	2638.8
60°	4818.5	4800.7	4758.6	4475.7	3838.6	2895.9	1972.7	1258.0	903.9	730.9	730.9
62.5°	2989.7	2965.5	2737.5	2034.1	1477.9	855.4	470.5	294.3	223.1	208.6	207.0
65°	839.2	834.3	690.4	488.3	310.5	192.4	169.8	173.0	169.8	164.9	163.3
67.5°	126.1	139.1	139.1	113.2	108.3	121.3	142.3	152.0	143.9	135.8	132.6
70°	80.8	87.3	84.1	72.8	77.6	90.5	101.9	103.5	98.6	90.5	88.9
72.5°	56.6	63.1	51.7	46.9	48.5	53.4	58.2	58.2	56.6	53.4	50.1
75°	34.0	34.0	24.3	22.6	22.6	24.3	24.3	27.5	27.5	25.9	24.3
77.5°	11.3	12.9	8.1	6.5	6.5	6.5	8.1	9.7	9.7	8.1	6.5
80°	1.6	3.2	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2	1.6
82.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)