

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: P641711

Luminaire Tested: GWS-SA6B-740-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641711
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-SA6B-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13722.4 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

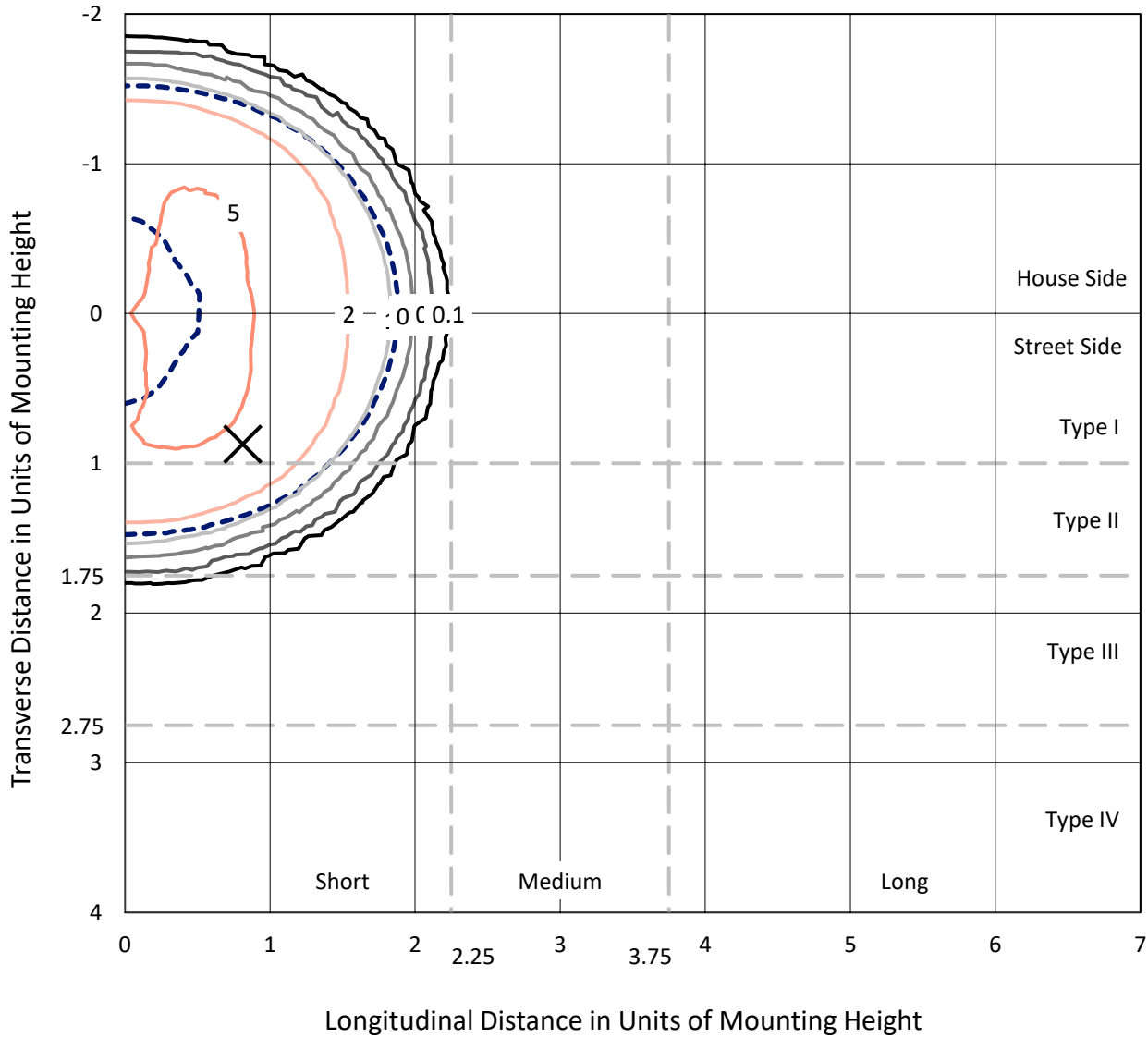
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

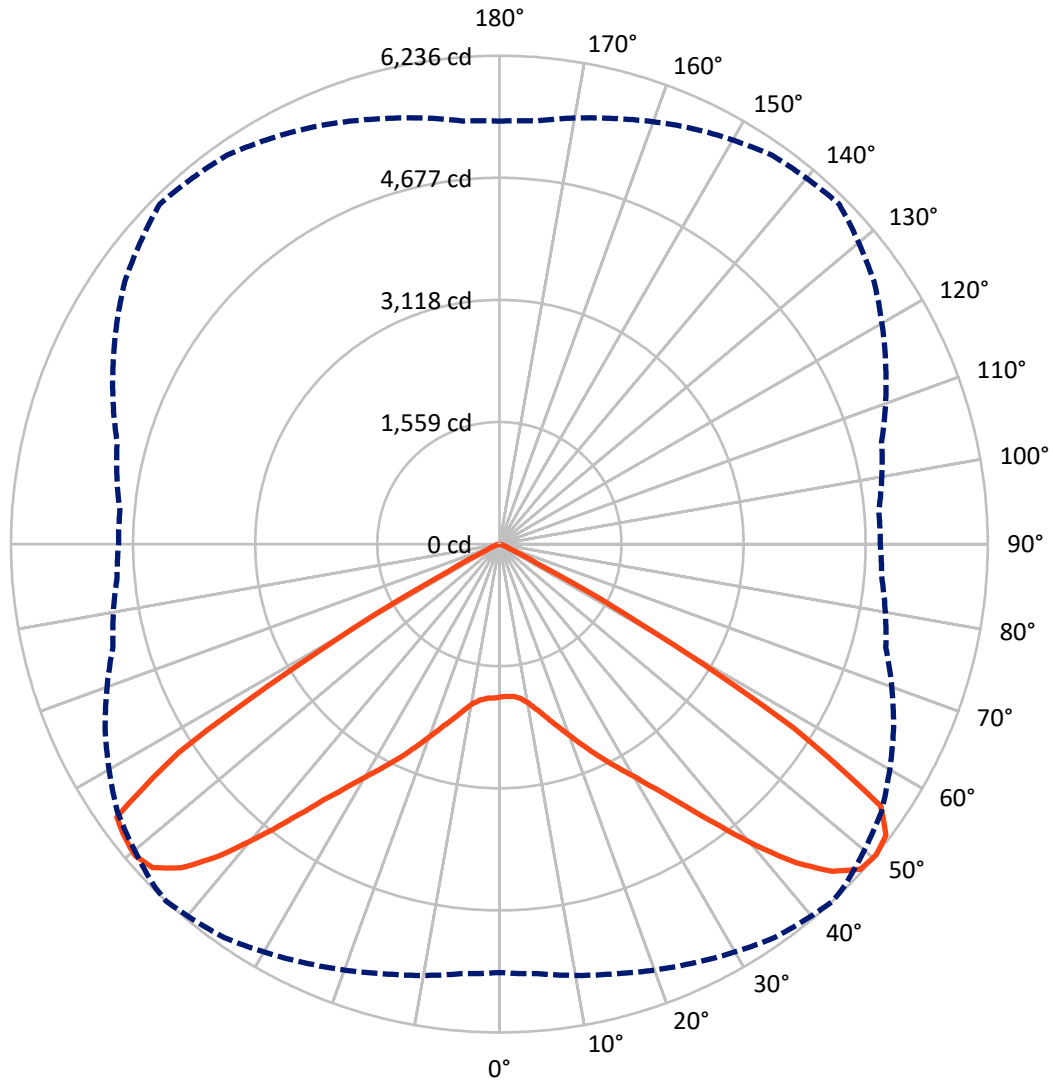
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.8 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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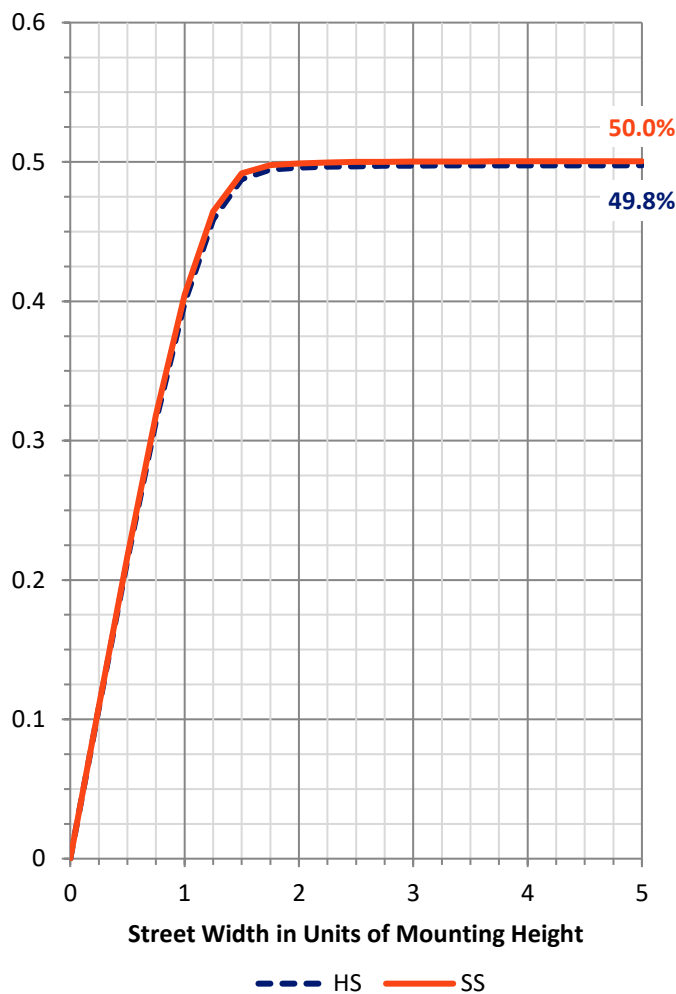
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6861.0	0.0	6861.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6861.4	0.0	6861.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	13722.4	0.0	13722.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.2	1.4
10°-20°	661.4	4.8
20°-30°	1338.2	9.8
30°-40°	2482.8	18.1
40°-50°	4121.4	30.0
50°-60°	4206.0	30.7
60°-70°	689.7	5.0
70°-80°	30.2	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°	13722.4	100.0
0°-180°	13722.4	100.0

Coefficient of Utilization



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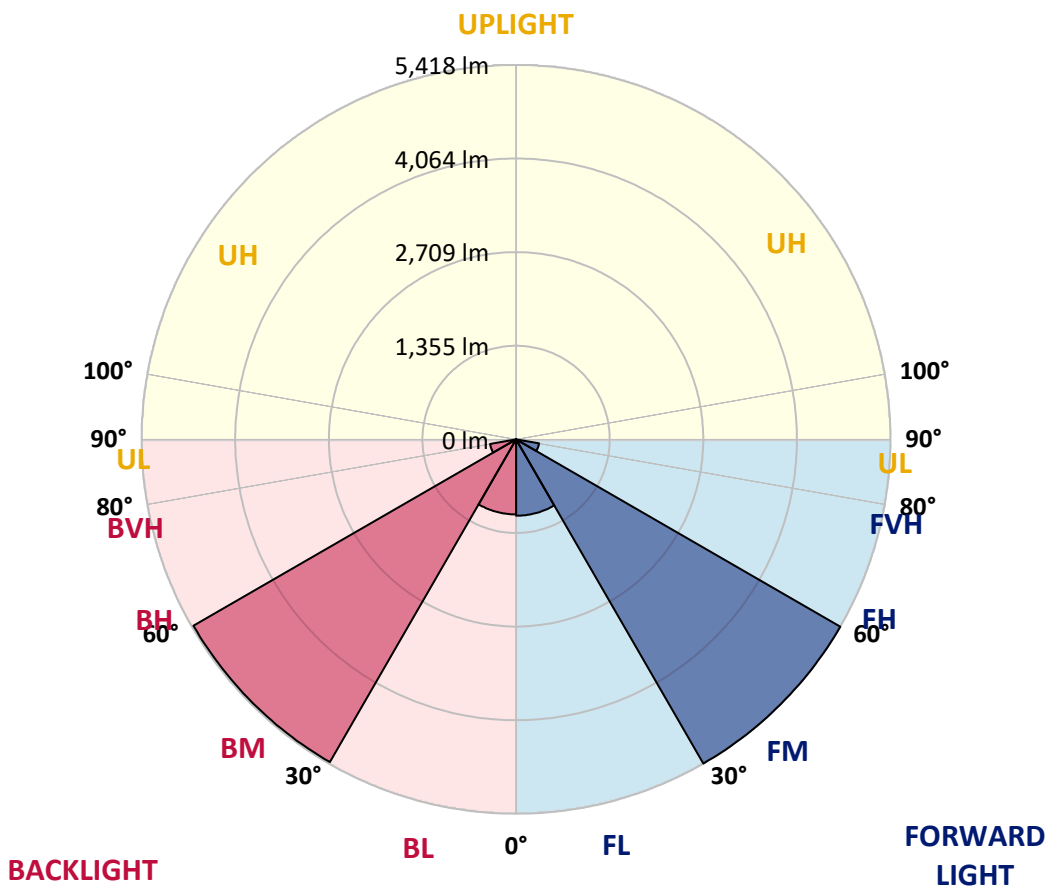
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1105.5	8.1			
FM (30°-60°)	5418.3	39.5			
FH (60°-80°)	337.4	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	1086.3	7.9	B3/2500		
BM (30°-60°)	5391.9	39.3	B4/8500		
BH (60°-80°)	382.5	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°	1951.8	1951.8	1951.8	1951.8	1951.8	1951.8	1951.8	1951.8	1951.8	1951.8	1951.8
2.5°	1915.4	1919.9	1926.0	1932.1	1939.7	1947.2	1951.8	1965.5	1962.4	1974.6	1974.6
5°	1894.1	1898.7	1906.3	1919.9	1936.6	1953.3	1965.5	1992.8	2008.0	2032.2	2041.3
7.5°	1904.7	1910.8	1919.9	1941.2	1967.0	1992.8	2006.4	2050.4	2080.8	2126.3	2152.1
10°	1939.7	1945.7	1960.9	1997.3	2030.7	2067.1	2083.8	2140.0	2188.6	2250.8	2287.2
12.5°	1979.1	1986.7	2017.1	2071.7	2129.4	2177.9	2200.7	2262.9	2313.0	2382.8	2440.5
15°	2020.1	2032.2	2079.3	2159.7	2241.7	2306.9	2331.2	2398.0	2448.1	2522.5	2587.7
17.5°	2115.7	2129.4	2182.5	2269.0	2381.3	2457.2	2478.4	2548.3	2586.2	2636.3	2704.6
20°	2235.6	2261.4	2326.7	2431.4	2554.3	2627.2	2642.4	2710.7	2707.6	2728.9	2788.1
22.5°	2384.3	2402.6	2473.9	2598.3	2736.5	2816.9	2851.8	2880.6	2842.7	2824.5	2862.4
25°	2539.2	2560.4	2637.8	2774.4	2929.2	3021.8	3050.6	3073.4	3012.7	2944.4	2948.9
27.5°	2739.5	2754.7	2830.6	2976.3	3131.1	3235.8	3261.6	3301.1	3220.6	3111.3	3081.0
30°	2977.8	2993.0	3073.4	3226.7	3380.0	3469.5	3509.0	3557.5	3469.5	3332.9	3298.0
32.5°	3257.0	3272.2	3375.4	3533.3	3659.2	3756.4	3794.3	3845.9	3776.1	3622.8	3583.3
35°	3590.9	3600.0	3721.5	3893.0	4026.5	4120.6	4146.4	4207.1	4129.7	3976.4	3955.2
37.5°	3978.0	3988.6	4120.6	4319.4	4456.0	4560.8	4601.7	4618.4	4524.3	4352.8	4336.1
40°	4402.9	4437.8	4566.8	4780.8	4934.1	5066.2	5102.6	5046.4	4914.4	4680.7	4650.3
42.5°	4846.1	4876.5	5020.6	5252.8	5430.4	5565.5	5567.0	5445.6	5221.0	4897.7	4852.2
45°	5214.9	5227.0	5413.7	5647.5	5866.0	5961.6	5970.7	5750.7	5412.2	5023.7	4926.5
47.5°	5468.4	5488.1	5650.5	5875.1	6116.4	6202.9	6184.7	5910.0	5503.3	5105.6	4944.7
50°	5471.4	5504.8	5680.8	5897.9	6131.6	6236.3	6210.5	5955.6	5554.9	5108.7	4900.7
52.5°	4987.2	5041.9	5328.7	5642.9	6001.1	6180.2	6186.2	6014.7	5535.1	5060.1	4861.3
55°	3762.4	3821.6	4182.9	4718.6	5410.7	5910.0	5996.5	5944.9	5512.4	5081.3	4931.1
57.5°	1991.3	1945.7	2146.1	2677.3	3546.9	4430.2	4683.7	5096.5	5258.9	5107.1	5060.1
60°	434.1	462.9	616.2	830.2	1384.2	2083.8	2331.2	3038.5	3879.3	4252.7	4522.8
62.5°	186.7	183.6	191.2	217.0	317.2	528.2	645.0	1053.3	1661.9	2282.7	2703.1
65°	153.3	154.8	160.9	160.9	150.3	151.8	159.4	241.3	388.5	544.9	731.5
67.5°	115.3	116.9	127.5	130.5	122.9	109.3	107.8	91.1	95.6	119.9	124.5
70°	72.9	72.9	78.9	82.0	82.0	75.9	74.4	65.3	63.7	72.9	82.0
72.5°	39.5	39.5	42.5	44.0	42.5	41.0	41.0	39.5	37.9	44.0	56.2
75°	16.7	16.7	18.2	18.2	16.7	16.7	16.7	16.7	16.7	19.7	30.4
77.5°	3.0	4.6	6.1	4.6	3.0	3.0	3.0	4.6	4.6	6.1	9.1
80°	1.5	1.5	3.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
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°	1951.8	1951.8	1951.8	1951.8	1951.8	1951.8	1951.8	1951.8	1951.8	1951.8	1951.8
2.5°	1985.2	1968.5	1974.6	1977.6	1973.0	1970.0	1953.3	1948.8	1941.2	1929.0	1926.0
5°	2052.0	2038.3	2036.8	2027.7	2006.4	1980.6	1948.8	1935.1	1919.9	1904.7	1901.7
7.5°	2164.3	2147.6	2137.0	2106.6	2058.0	2017.1	1963.9	1935.1	1915.4	1895.6	1891.1
10°	2308.5	2288.7	2258.4	2202.2	2137.0	2077.8	2015.5	1977.6	1947.2	1919.9	1918.4
12.5°	2461.7	2440.5	2385.9	2314.5	2235.6	2181.0	2102.0	2048.9	2003.4	1962.4	1957.9
15°	2622.6	2596.8	2522.5	2437.5	2364.6	2308.5	2221.9	2137.0	2067.1	2008.0	2001.9
17.5°	2745.6	2713.7	2625.7	2561.9	2502.7	2445.1	2347.9	2235.6	2143.0	2071.7	2055.0
20°	2823.0	2792.6	2709.1	2674.2	2646.9	2605.9	2490.6	2373.7	2270.5	2182.5	2167.3
22.5°	2897.3	2860.9	2788.1	2788.1	2809.3	2792.6	2668.2	2534.6	2413.2	2311.5	2288.7
25°	2980.8	2952.0	2900.4	2942.9	2996.0	2994.5	2867.0	2700.0	2560.4	2446.6	2423.8
27.5°	3102.2	3073.4	3055.2	3135.6	3202.4	3197.8	3058.2	2877.6	2730.4	2618.1	2596.8
30°	3316.2	3288.9	3269.2	3366.3	3451.3	3419.4	3266.1	3091.6	2942.9	2815.4	2800.2
32.5°	3601.6	3572.7	3546.9	3644.1	3719.9	3679.0	3533.3	3369.3	3197.8	3073.4	3043.0
35°	3976.4	3915.7	3889.9	4005.3	4037.1	3991.6	3852.0	3707.8	3525.7	3383.0	3363.3
37.5°	4363.5	4292.1	4273.9	4374.1	4425.7	4409.0	4245.1	4094.8	3897.5	3739.7	3716.9
40°	4694.3	4629.1	4597.2	4753.5	4870.4	4881.0	4733.8	4550.1	4317.9	4154.0	4113.0
42.5°	4888.6	4832.4	4824.8	5067.7	5258.9	5395.5	5219.5	5029.7	4785.4	4600.2	4566.8
45°	4932.6	4896.2	4959.9	5278.6	5576.1	5825.0	5674.8	5474.4	5210.3	5014.6	4982.7
47.5°	4928.1	4915.9	5029.7	5387.9	5764.3	6070.9	5996.5	5770.4	5515.4	5310.5	5280.2
50°	4862.8	4864.3	5054.0	5442.6	5840.2	6137.7	6063.3	5853.9	5626.2	5424.3	5400.1
52.5°	4837.0	4827.9	5008.5	5425.9	5917.6	6107.3	5940.4	5705.1	5451.7	5202.8	5166.3
55°	4928.1	4905.3	5014.6	5412.2	5926.7	6090.6	5650.5	5140.5	4621.5	4327.0	4302.8
57.5°	5064.6	5040.4	5092.0	5312.0	5451.7	5064.6	4158.6	3336.0	2801.7	2575.6	2476.9
60°	4522.8	4506.1	4466.7	4201.1	3603.1	2718.2	1851.6	1180.8	848.4	686.0	686.0
62.5°	2806.3	2783.5	2569.5	1909.3	1387.2	802.9	441.7	276.2	209.4	195.8	194.3
65°	787.7	783.1	648.1	458.4	291.4	180.6	159.4	162.4	159.4	154.8	153.3
67.5°	118.4	130.5	130.5	106.2	101.7	113.8	133.6	142.7	135.1	127.5	124.5
70°	75.9	82.0	78.9	68.3	72.9	85.0	95.6	97.1	92.6	85.0	83.5
72.5°	53.1	59.2	48.6	44.0	45.5	50.1	54.6	54.6	53.1	50.1	47.0
75°	31.9	31.9	22.8	21.2	21.2	22.8	22.8	25.8	25.8	24.3	22.8
77.5°	10.6	12.1	7.6	6.1	6.1	6.1	7.6	9.1	9.1	7.6	6.1
80°	1.5	3.0	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	1.5
82.5°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
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)