

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: P635278

Luminaire Tested: GWS-SA3D-740-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635278
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-49)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-740-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18116 lumens
Efficiency: N/A
Efficacy: 150.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 120.8
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

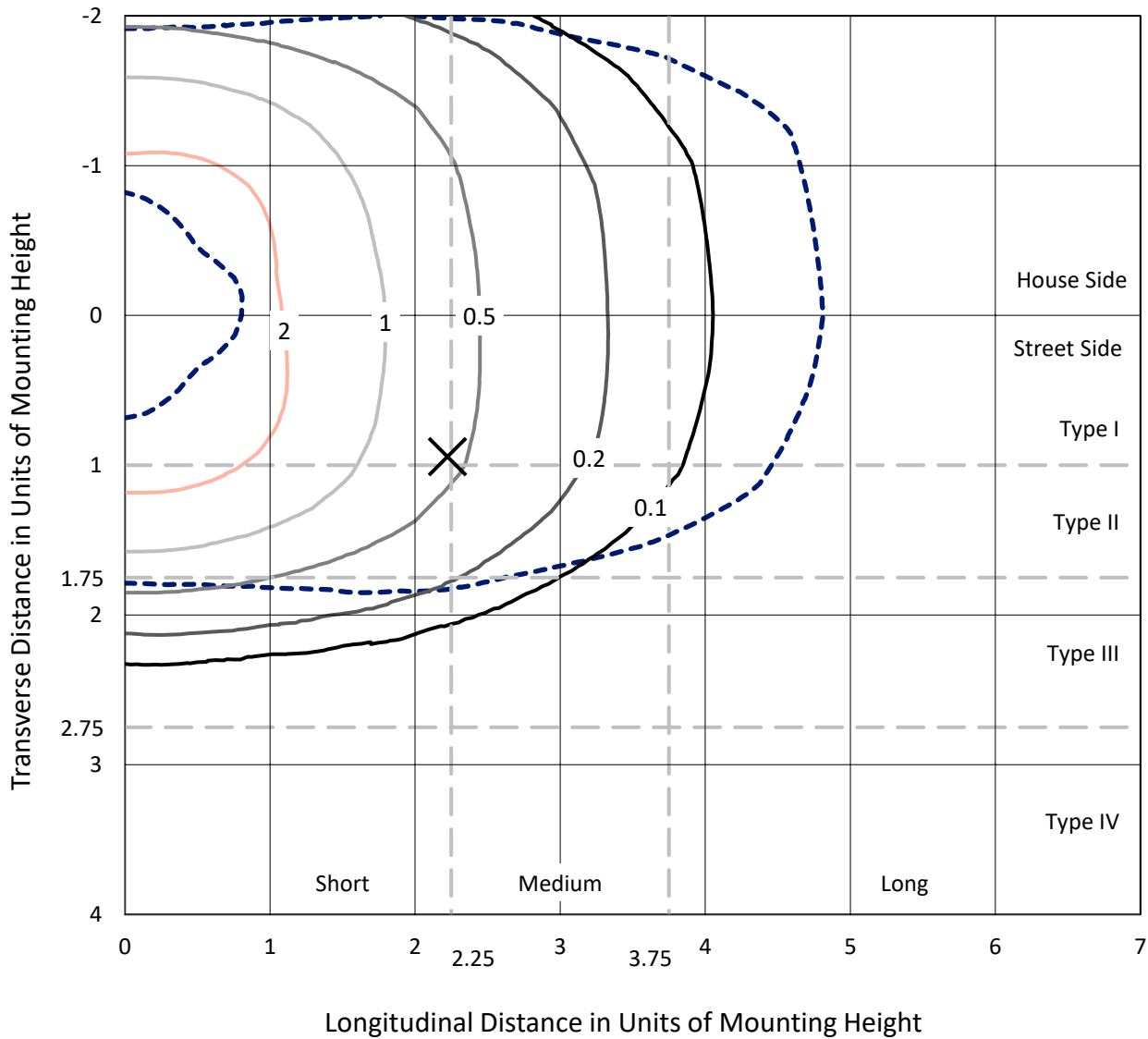


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Iso-Footcandle Lines of Horizontal Illumination

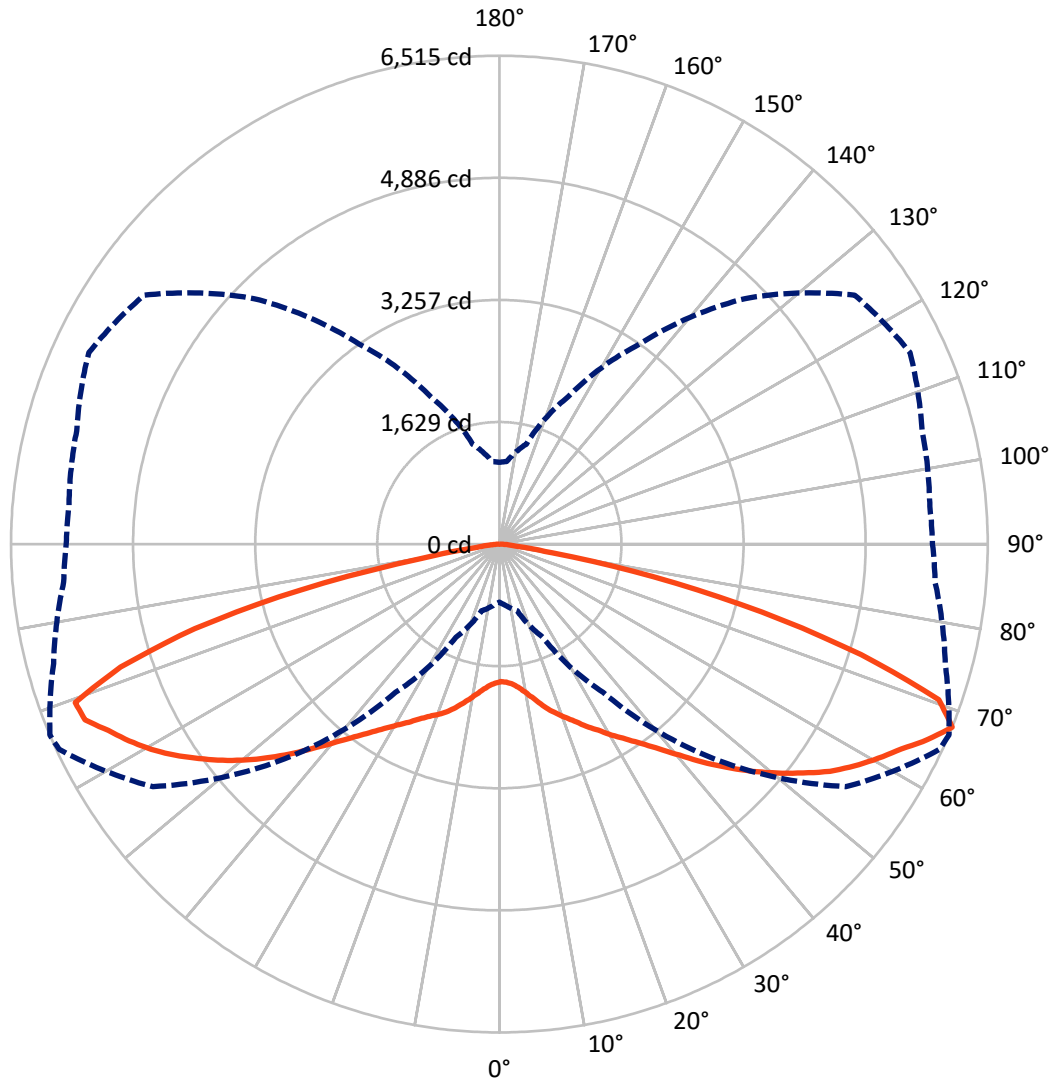
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8958.0	0.0	8958.0
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	9158.0	0.0	9158.0
	% Fixture	50.6	0.0	50.6
Total	Lumens	18116.0	0.0	18116.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.0	1.0
10°-20°	608.0	3.4
20°-30°	1192.9	6.6
30°-40°	2032.3	11.2
40°-50°	3263.5	18.0
50°-60°	4434.5	24.5
60°-70°	4241.9	23.4
70°-80°	2016.7	11.1
80°-90°	146.1	0.8
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°	18116.0	100.0
0°-180°	18116.0	100.0

Coefficient of Utilization



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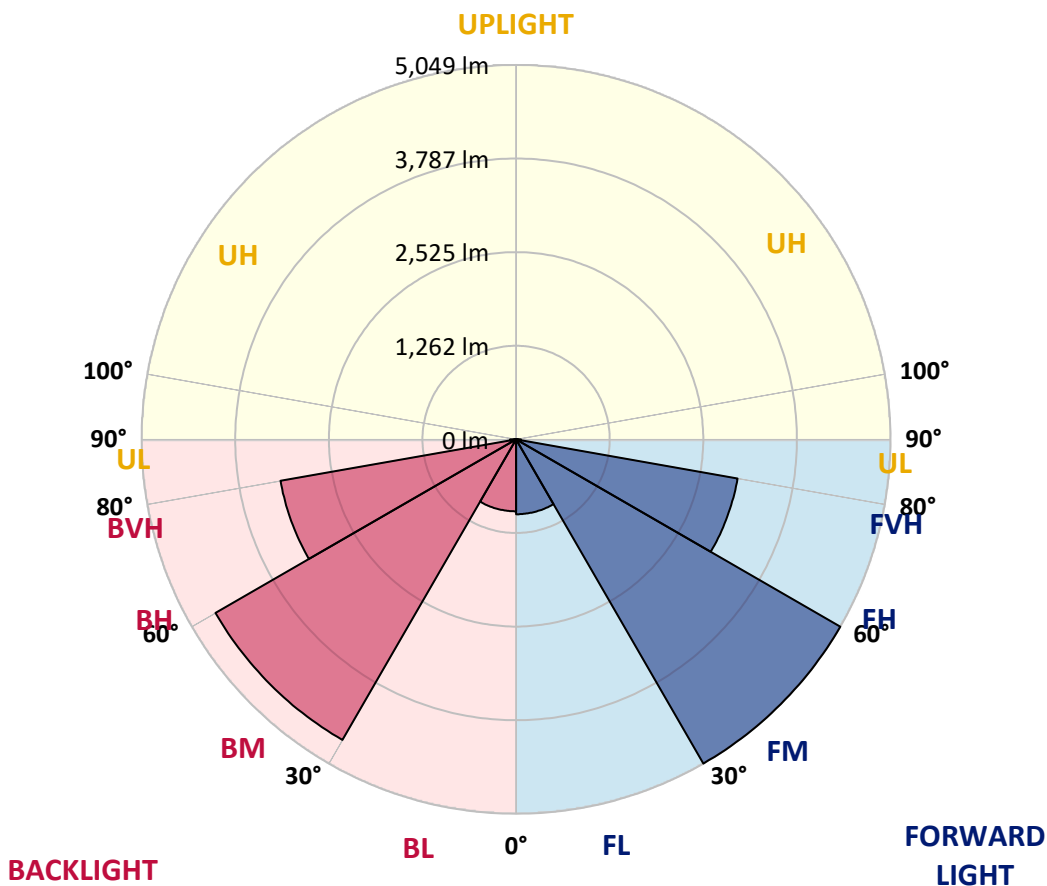
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1010.1	5.6			
FM (30°-60°)	5049.1	27.9			
FH (60°-80°)	3033.1	16.7			G2/5000
FVH (80°-90°)	65.7	0.4			G1/100
BL (0°-30°)	970.8	5.4	B2/1000		
BM (30°-60°)	4681.3	25.8	B3/5000		
BH (60°-80°)	3225.5	17.8	B4/5000		G4/5000
BVH (80°-90°)	80.5	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1834.3	1834.3	1834.3	1834.3	1834.3	1834.3	1834.3	1834.3	1834.3	1834.3	1834.3
2.5°	1796.5	1799.0	1802.8	1810.4	1817.9	1829.3	1840.7	1839.4	1844.4	1848.2	1852.0
5°	1786.4	1788.9	1795.2	1805.3	1816.7	1835.6	1859.6	1869.7	1877.2	1891.1	1903.7
7.5°	1807.9	1812.9	1821.7	1835.6	1853.3	1877.2	1910.0	1927.7	1939.1	1964.3	1985.7
10°	1836.9	1843.2	1860.8	1887.3	1913.8	1950.4	1992.0	2018.5	2026.1	2058.9	2099.3
12.5°	1864.6	1872.2	1901.2	1949.2	1997.1	2046.3	2095.5	2128.3	2130.8	2175.0	2220.4
15°	1908.8	1915.1	1954.2	2016.0	2089.2	2157.3	2217.9	2240.6	2250.7	2282.2	2339.0
17.5°	2005.9	2013.5	2064.0	2130.8	2207.8	2279.7	2340.2	2359.2	2359.2	2385.7	2432.3
20°	2110.6	2118.2	2185.1	2270.9	2364.2	2437.4	2484.1	2466.4	2460.1	2467.7	2500.5
22.5°	2228.0	2241.8	2306.2	2405.8	2520.6	2610.2	2634.2	2581.2	2563.5	2545.9	2553.4
25°	2378.1	2394.5	2457.6	2563.5	2675.8	2770.4	2784.3	2702.3	2692.2	2630.4	2607.7
27.5°	2550.9	2563.5	2641.8	2746.5	2851.2	2930.7	2945.8	2844.9	2810.8	2725.0	2672.0
30°	2774.2	2785.6	2853.7	2957.2	3048.0	3103.5	3122.4	2983.7	2957.2	2826.0	2743.9
32.5°	3017.7	3022.8	3092.1	3191.8	3272.6	3325.5	3299.0	3137.6	3098.5	2950.8	2838.6
35°	3296.5	3296.5	3386.1	3466.8	3531.2	3546.3	3495.9	3311.7	3266.2	3106.0	2966.0
37.5°	3570.3	3577.9	3661.1	3757.0	3813.8	3811.3	3719.2	3517.3	3465.6	3291.5	3136.3
40°	3866.8	3883.2	3966.4	4073.7	4127.9	4120.3	3979.0	3754.5	3701.5	3495.9	3344.5
42.5°	4139.3	4165.8	4262.9	4372.7	4432.0	4426.9	4279.3	4027.0	3975.3	3743.1	3591.7
45°	4356.3	4384.0	4505.1	4657.8	4752.4	4743.6	4594.7	4309.6	4246.5	4003.0	3836.5
47.5°	4546.8	4575.8	4710.8	4872.2	5022.4	5037.5	4901.3	4594.7	4527.8	4281.8	4093.8
50°	4693.1	4707.0	4858.4	5035.0	5209.1	5293.6	5175.0	4881.1	4800.3	4556.8	4344.9
52.5°	4681.7	4700.7	4887.4	5127.1	5360.5	5499.3	5417.3	5151.1	5072.8	4807.9	4601.0
55°	4450.9	4469.8	4691.8	5041.3	5445.0	5649.4	5640.6	5408.4	5351.6	5064.0	4867.2
57.5°	4114.0	4155.7	4376.4	4753.7	5334.0	5769.2	5804.6	5643.1	5583.8	5315.1	5130.9
60°	3511.0	3566.5	3821.3	4310.8	4978.2	5728.9	5979.9	5841.1	5804.6	5548.5	5369.3
62.5°	2550.9	2591.3	2930.7	3572.8	4450.9	5441.2	6127.5	6045.5	6017.8	5757.9	5585.0
65°	1527.8	1619.9	1892.4	2527.0	3590.5	4898.7	6046.8	6313.0	6284.0	5973.6	5769.2
67.5°	773.4	815.0	922.2	1370.1	2414.7	4053.5	5641.8	6479.5	6514.8	6157.8	5834.8
70°	479.4	490.8	521.0	676.2	1206.1	2663.2	4613.6	6045.5	6218.4	6128.8	5664.5
72.5°	384.8	387.3	392.4	421.4	579.1	1245.2	2916.8	4734.7	5046.3	5723.8	5421.0
75°	319.2	320.4	321.7	330.5	360.8	508.4	1419.3	3253.6	3618.2	4864.7	5026.2
77.5°	256.1	249.8	254.8	258.6	266.2	283.9	489.5	1735.9	2105.6	3193.1	3886.9
80°	166.5	164.0	174.1	177.9	185.5	196.8	261.1	589.2	715.3	1161.9	1236.4
82.5°	89.6	84.5	106.0	102.2	106.0	114.8	153.9	215.7	242.2	350.7	296.5
85°	27.8	27.8	29.0	34.1	41.6	40.4	66.9	106.0	117.3	150.1	111.0
87.5°	5.0	5.0	5.0	5.0	5.0	6.3	13.9	21.4	29.0	51.7	39.1
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°	1834.3	1834.3	1834.3	1834.3	1834.3	1834.3	1834.3	1834.3	1834.3	1834.3	1834.3
2.5°	1859.6	1848.2	1854.5	1858.3	1857.1	1854.5	1841.9	1839.4	1833.1	1823.0	1820.5
5°	1915.1	1902.5	1903.7	1899.9	1887.3	1870.9	1843.2	1829.3	1817.9	1805.3	1804.1
7.5°	2002.1	1988.3	1984.5	1966.8	1931.5	1893.6	1849.5	1824.3	1805.3	1788.9	1786.4
10°	2113.2	2099.3	2086.7	2045.0	1987.0	1936.5	1878.5	1841.9	1814.2	1794.0	1790.2
12.5°	2236.8	2225.4	2193.9	2133.3	2064.0	2004.7	1945.4	1899.9	1859.6	1829.3	1825.5
15°	2374.3	2349.1	2301.1	2222.9	2157.3	2109.4	2037.5	1975.6	1911.3	1870.9	1862.1
17.5°	2470.2	2448.7	2392.0	2316.3	2264.5	2222.9	2138.4	2050.1	1963.0	1903.7	1891.1
20°	2538.3	2515.6	2451.3	2395.8	2379.4	2344.0	2245.6	2143.4	2042.5	1969.3	1952.9
22.5°	2587.5	2563.5	2497.9	2470.2	2492.9	2486.6	2390.7	2274.6	2154.8	2067.7	2047.6
25°	2634.2	2611.5	2553.4	2563.5	2624.1	2643.0	2539.6	2404.6	2268.3	2166.1	2142.2
27.5°	2678.3	2649.3	2622.8	2678.3	2764.1	2799.5	2689.7	2537.0	2389.4	2284.7	2265.8
30°	2746.5	2712.4	2708.6	2789.4	2925.6	2955.9	2834.8	2682.1	2535.8	2429.8	2405.8
32.5°	2832.3	2800.7	2803.2	2924.4	3082.1	3107.3	3003.8	2861.3	2714.9	2609.0	2576.2
35°	2948.3	2909.2	2930.7	3079.5	3238.5	3285.2	3201.9	3083.3	2940.8	2832.3	2795.7
37.5°	3108.5	3051.8	3095.9	3252.4	3412.6	3482.0	3417.6	3329.3	3188.0	3078.3	3044.2
40°	3312.9	3266.2	3283.9	3456.7	3622.0	3705.3	3664.9	3577.9	3437.8	3323.0	3283.9
42.5°	3555.1	3508.5	3502.2	3686.4	3851.6	3977.8	3938.7	3859.2	3714.1	3582.9	3545.1
45°	3792.3	3749.4	3758.3	3946.2	4131.7	4269.2	4230.1	4136.7	3979.0	3827.7	3797.4
47.5°	4039.6	4004.3	4011.8	4211.2	4415.6	4553.1	4503.9	4390.3	4206.1	4044.6	4008.1
50°	4293.2	4252.8	4264.2	4473.6	4694.4	4824.3	4748.6	4580.8	4377.7	4220.0	4188.5
52.5°	4545.5	4497.6	4526.6	4724.6	4953.0	5056.4	4916.4	4713.3	4516.5	4360.0	4324.7
55°	4835.7	4785.2	4753.7	4965.6	5191.4	5234.3	5042.6	4805.4	4572.0	4394.1	4372.7
57.5°	5100.6	5057.7	4998.4	5210.4	5376.9	5345.3	5139.7	4780.1	4437.0	4208.7	4178.4
60°	5337.8	5301.2	5249.5	5429.9	5505.6	5434.9	5061.5	4481.2	4103.9	3865.5	3851.6
62.5°	5556.0	5516.9	5469.0	5622.9	5612.8	5448.8	4705.7	4021.9	3517.3	3261.2	3238.5
65°	5728.9	5693.5	5679.7	5800.8	5784.4	5177.5	4151.9	3270.0	2569.9	2280.9	2272.1
67.5°	5778.1	5764.2	5838.6	6044.3	5788.2	4632.5	3256.2	2168.7	1380.2	1106.4	1090.0
70°	5593.9	5592.6	5805.8	6099.8	5263.3	3538.7	1921.4	977.7	693.9	615.7	605.6
72.5°	5354.2	5350.4	5519.4	5262.1	3903.3	1936.5	808.7	523.6	434.0	412.5	412.5
75°	4960.6	4950.5	5077.9	4003.0	2195.2	729.2	428.9	359.6	340.6	336.8	336.8
77.5°	4043.4	3958.9	3758.3	2474.0	765.8	358.3	283.9	282.6	271.2	270.0	270.0
80°	1329.7	1329.7	1545.4	943.7	338.1	220.8	200.6	210.7	199.3	191.8	190.5
82.5°	217.0	299.0	425.2	270.0	182.9	137.5	123.6	131.2	137.5	109.8	109.8
85°	85.8	112.3	164.0	126.2	84.5	55.5	59.3	65.6	58.0	50.5	49.2
87.5°	32.8	40.4	58.0	30.3	17.7	10.1	6.3	6.3	5.0	5.0	5.0
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)