

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: P632915

Luminaire Tested: GWS-SA2D-760-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632915
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-760-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10033.2 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

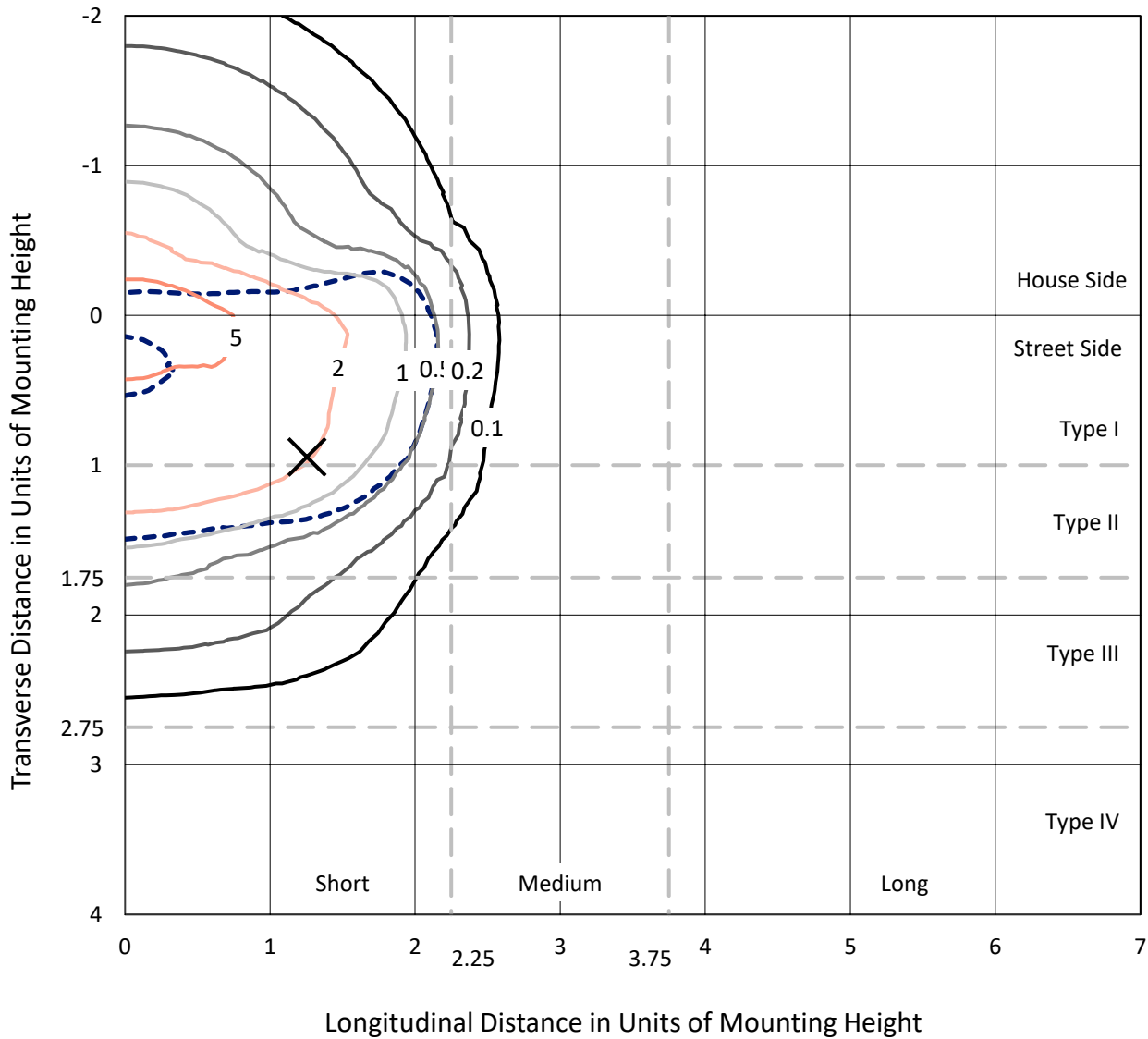
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

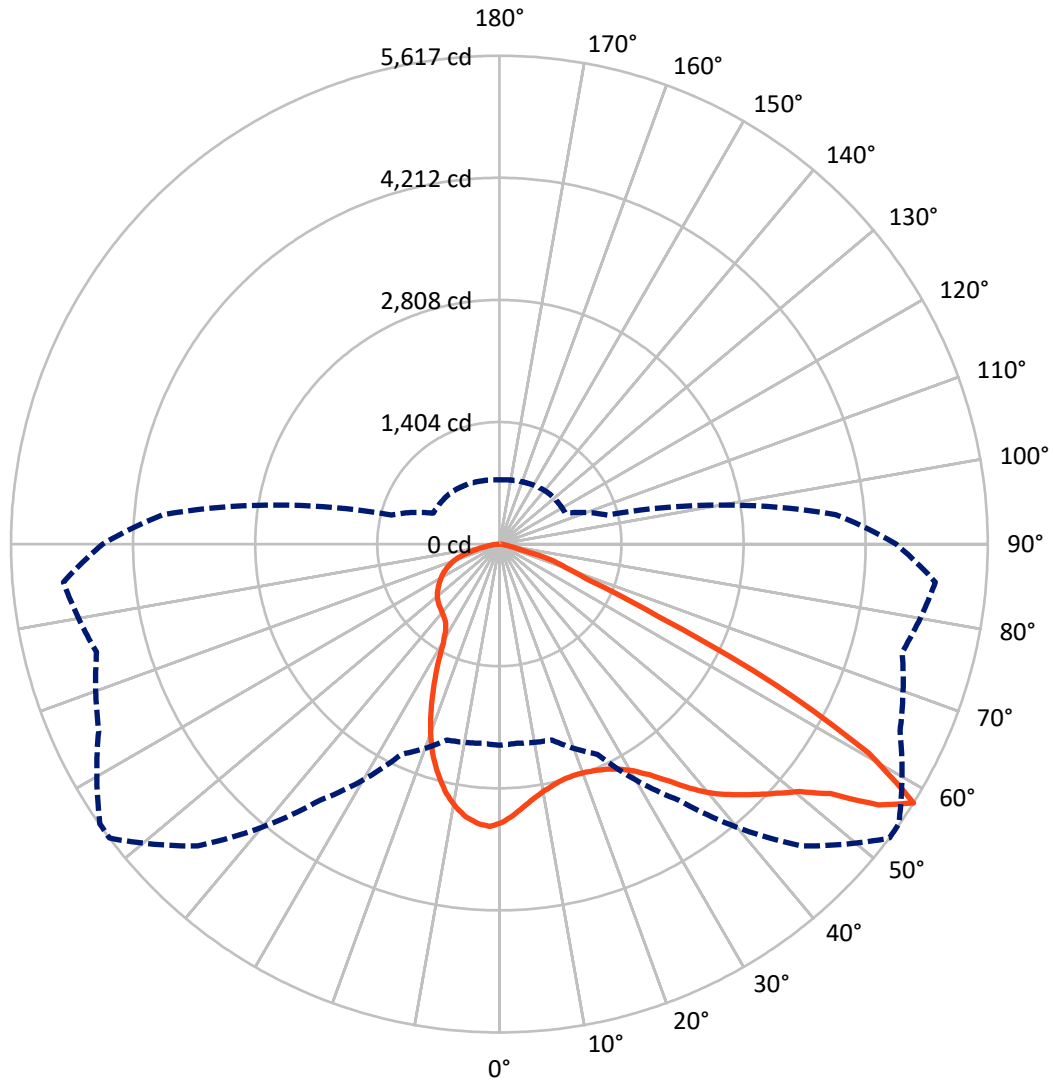
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3137.0	0.0	3137.0
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	6896.2	0.0	6896.2
	% Fixture	68.7	0.0	68.7
Total	Lumens	10033.2	0.0	10033.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.7	2.9
10°-20°	760.1	7.6
20°-30°	1119.9	11.2
30°-40°	1567.6	15.6
40°-50°	2060.7	20.5
50°-60°	2416.2	24.1
60°-70°	1423.4	14.2
70°-80°	354.1	3.5
80°-90°	41.5	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°	10033.2	100.0
0°-180°	10033.2	100.0

Coefficient of Utilization



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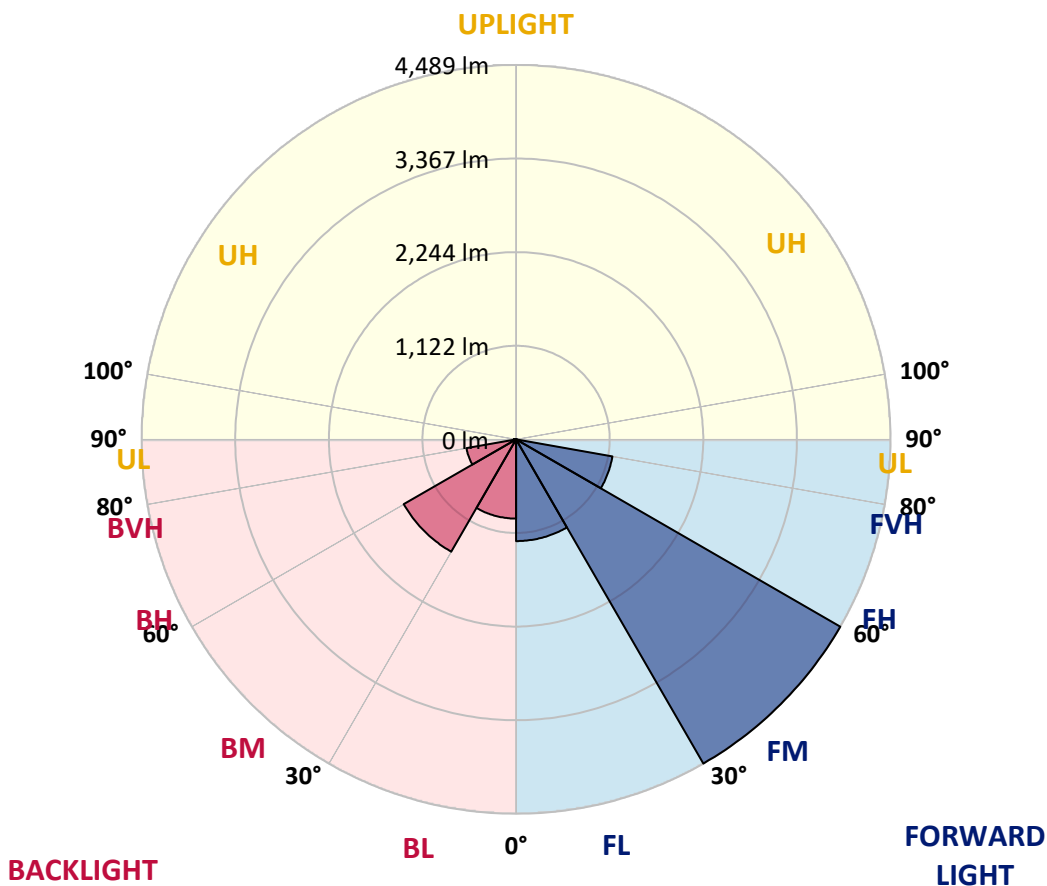
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1219.8	12.2			
FM (30°-60°)	4488.9	44.7			
FH (60°-80°)	1173.5	11.7			G1/1800
FVH (80°-90°)	13.9	0.1			G1/100
BL (0°-30°)	949.9	9.5	B2/1000		
BM (30°-60°)	1555.5	15.5	B2/2500		
BH (60°-80°)	604.0	6.0	B2/1000		G2/1000
BVH (80°-90°)	27.6	0.3			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°	53°	55°	65°	75°	85°
0°	3203.9	3203.9	3203.9	3203.9	3203.9	3203.9	3203.9	3203.9	3203.9	3203.9	3203.9
2.5°	3019.8	3028.2	3029.9	3056.1	3057.8	3095.8	3121.1	3116.0	3142.2	3174.3	3199.6
5°	2875.4	2876.2	2884.7	2915.9	2932.8	2982.6	3024.8	3024.8	3075.5	3141.4	3198.0
7.5°	2756.3	2755.5	2763.1	2797.7	2825.6	2885.5	2942.9	2949.7	3020.6	3116.9	3208.9
10°	2645.7	2651.6	2660.0	2702.3	2737.7	2812.0	2880.4	2891.4	2980.9	3100.0	3224.1
12.5°	2574.8	2575.6	2588.3	2635.6	2681.2	2760.5	2832.3	2845.8	2948.8	3084.0	3235.1
15°	2529.2	2530.0	2543.5	2595.9	2649.1	2729.3	2802.8	2818.0	2930.3	3081.4	3256.2
17.5°	2508.9	2508.0	2520.7	2573.1	2631.3	2714.9	2793.5	2812.0	2938.7	3100.8	3293.4
20°	2508.9	2509.7	2516.5	2563.8	2622.9	2711.6	2802.8	2825.6	2971.6	3144.8	3350.8
22.5°	2544.4	2547.7	2551.1	2583.2	2629.6	2716.6	2827.2	2857.6	3042.6	3218.2	3426.0
25°	2613.6	2614.4	2617.8	2644.0	2665.1	2731.0	2867.8	2913.4	3153.2	3325.5	3520.5
27.5°	2706.5	2718.3	2721.7	2738.6	2738.6	2766.4	2931.1	2997.0	3302.7	3480.0	3641.3
30°	2836.5	2840.8	2846.7	2865.2	2845.0	2833.2	3024.0	3108.4	3475.8	3666.6	3786.5
32.5°	2950.5	2959.8	2991.9	3022.3	2986.0	2948.8	3160.8	3260.5	3642.1	3860.9	3941.1
35°	3047.6	3070.4	3132.1	3199.6	3174.3	3137.2	3342.4	3446.2	3778.9	4000.2	4077.9
37.5°	3165.0	3182.8	3267.2	3377.0	3399.8	3382.1	3563.6	3637.9	3870.1	4035.7	4152.2
40°	3284.1	3311.1	3420.1	3572.1	3659.0	3671.7	3768.0	3817.8	3901.4	3966.4	4137.8
42.5°	3405.7	3452.1	3601.6	3778.9	3933.5	3962.2	3940.2	3961.4	3891.3	3871.0	4071.1
45°	3554.3	3609.2	3778.1	4004.4	4207.9	4252.7	4109.1	4089.7	3889.6	3834.7	4029.8
47.5°	3730.0	3784.9	3946.1	4209.6	4469.7	4502.6	4282.2	4246.8	3948.7	3890.4	4085.5
50°	3885.3	3923.3	4067.8	4362.5	4713.8	4733.2	4473.1	4430.0	4095.6	4045.0	4259.4
52.5°	3727.4	3723.2	3875.2	4238.3	4840.4	5074.3	4767.0	4725.6	4379.4	4301.7	4528.8
55°	3162.5	3114.4	3250.3	3607.5	4486.6	5377.5	5293.9	5211.1	4757.7	4560.1	4781.3
57.5°	2312.1	2298.6	2331.5	2666.8	3594.0	4908.0	5616.5	5608.9	5084.5	4796.5	5033.0
60°	1808.0	1787.7	1699.9	1709.2	2449.8	3833.8	4874.2	5098.0	5287.1	4938.4	5208.6
62.5°	1605.3	1590.1	1544.5	1418.7	1459.2	2570.5	3572.9	3778.1	4620.0	4361.6	4473.9
65°	1329.2	1325.0	1363.0	1357.9	1222.8	1419.5	2016.6	2223.5	2904.9	2941.2	2904.9
67.5°	966.1	958.5	1054.7	1244.7	1177.2	1071.6	1124.0	1195.8	1489.6	1337.6	1204.2
70°	628.3	617.3	673.0	899.3	1053.9	934.0	809.8	798.0	819.1	509.2	550.6
72.5°	421.4	408.7	407.9	494.9	636.7	629.1	627.4	621.5	554.8	402.0	445.9
75°	234.8	224.6	222.1	213.6	228.0	232.2	247.4	255.9	277.0	304.8	337.8
77.5°	39.7	38.8	49.0	62.5	86.1	110.6	136.8	144.4	178.2	211.1	232.2
80°	22.0	22.8	29.6	36.3	48.1	65.9	84.4	89.5	109.8	127.5	144.4
82.5°	11.8	11.8	15.2	19.4	26.2	34.6	45.6	49.8	63.3	74.3	86.1
85°	4.2	4.2	5.9	7.6	11.0	14.4	17.7	20.3	27.9	38.0	43.1
87.5°	0.0	0.0	0.0	0.0	0.8	1.7	3.4	3.4	4.2	7.6	11.0
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°	3203.9	3203.9	3203.9	3203.9	3203.9	3203.9	3203.9	3203.9	3203.9	3203.9	3203.9
2.5°	3220.8	3198.0	3229.2	3243.6	3248.6	3252.0	3230.1	3214.8	3209.8	3193.7	3184.4
5°	3232.6	3217.4	3246.9	3246.9	3225.8	3203.9	3159.1	3127.9	3105.9	3079.7	3075.5
7.5°	3252.9	3241.9	3257.9	3225.0	3171.8	3112.7	3035.0	2974.2	2925.2	2893.1	2894.0
10°	3279.9	3266.4	3253.7	3180.2	3083.1	2974.2	2855.1	2766.4	2685.4	2648.2	2628.0
12.5°	3297.6	3278.2	3225.0	3103.4	2960.7	2814.6	2646.5	2514.8	2397.4	2344.2	2340.0
15°	3319.6	3284.1	3177.7	3003.7	2805.3	2606.0	2389.8	2206.6	2047.8	1965.1	1960.8
17.5°	3348.3	3290.0	3121.1	2889.7	2641.5	2347.6	2075.7	1845.1	1676.2	1612.1	1623.0
20°	3388.8	3296.8	3056.9	2763.1	2437.9	2053.7	1715.1	1503.1	1438.1	1433.9	1425.4
22.5°	3434.4	3301.0	2986.0	2621.2	2191.4	1740.4	1417.0	1326.6	1325.8	1346.9	1352.0
25°	3485.9	3304.4	2905.8	2455.7	1924.5	1428.0	1253.2	1226.2	1247.3	1287.0	1292.0
27.5°	3551.8	3311.1	2808.7	2274.1	1640.8	1233.8	1162.8	1156.1	1181.4	1218.6	1216.9
30°	3648.9	3335.6	2705.6	2065.5	1349.4	1141.7	1107.9	1108.8	1118.9	1136.6	1139.2
32.5°	3747.7	3373.6	2605.2	1830.8	1182.2	1089.4	1074.1	1072.5	1072.5	1080.1	1081.8
35°	3841.4	3416.7	2496.2	1585.9	1101.2	1058.9	1048.8	1043.7	1041.2	1039.5	1037.0
37.5°	3893.8	3437.8	2389.8	1344.4	1058.1	1038.7	1028.5	1021.8	1012.5	1005.7	1004.1
40°	3871.0	3413.3	2266.5	1163.7	1031.9	1019.3	1007.4	998.1	985.5	979.6	976.2
42.5°	3795.0	3337.3	2132.3	1078.4	1010.8	998.1	983.8	968.6	960.1	955.1	954.2
45°	3714.8	3245.3	1970.1	1028.5	990.5	975.3	958.5	941.6	932.3	929.7	928.9
47.5°	3712.2	3199.6	1797.9	988.9	966.1	950.9	929.7	912.9	902.7	899.3	896.0
50°	3823.7	3246.1	1603.6	954.2	940.7	924.7	901.0	882.5	869.8	865.6	864.7
52.5°	4055.1	3420.9	1429.7	919.6	906.9	888.4	868.9	850.4	835.2	827.6	826.7
55°	4305.0	3643.0	1321.6	884.1	867.3	851.2	833.5	813.2	796.3	784.5	782.8
57.5°	4563.4	3885.3	1288.6	839.4	826.7	815.7	794.6	772.7	753.3	742.3	739.7
60°	4776.3	4093.9	1350.3	792.1	785.3	771.0	751.6	730.5	716.9	708.5	706.8
62.5°	3998.5	3333.1	1090.2	740.6	740.6	725.4	703.4	688.2	678.9	673.0	671.3
65°	2537.6	2063.9	744.0	689.1	688.2	668.0	649.4	639.3	635.0	625.7	624.1
67.5°	1105.4	943.3	635.9	636.7	633.3	611.4	592.8	585.2	576.8	566.6	565.8
70°	573.4	584.4	569.2	578.5	572.5	546.4	528.6	516.8	499.1	488.9	489.8
72.5°	462.8	474.6	491.5	505.8	493.2	472.1	444.2	429.8	407.0	396.1	396.9
75°	353.0	365.7	381.7	396.9	386.8	360.6	342.8	328.5	302.3	289.6	292.2
77.5°	243.2	250.0	269.4	268.5	265.2	257.6	231.4	214.5	187.5	172.3	174.0
80°	151.2	155.4	164.7	168.9	167.2	157.1	136.0	123.3	107.2	98.0	98.8
82.5°	91.2	93.7	102.2	103.0	102.2	94.6	78.5	69.2	59.1	54.0	54.0
85°	46.4	48.1	53.2	53.2	48.1	40.5	36.3	32.1	26.2	23.6	23.6
87.5°	12.7	12.7	16.0	13.5	11.0	10.1	5.1	4.2	1.7	0.8	0.8
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)