

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: P639825

Luminaire Tested: GWS-SA5C-750-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639825
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-SA5C-750-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23527.9 lumens
Efficiency: N/A
Efficacy: 149.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

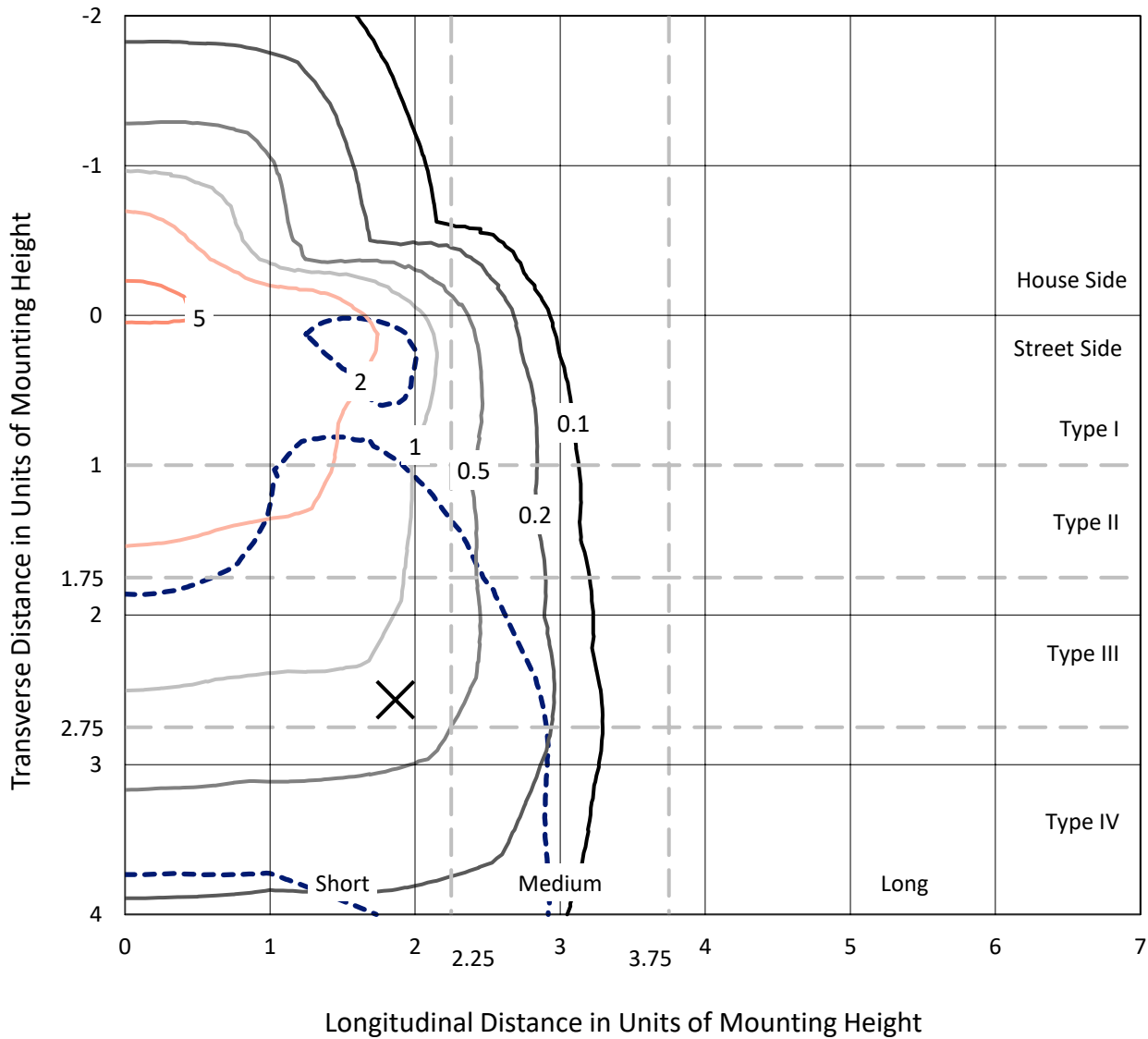
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

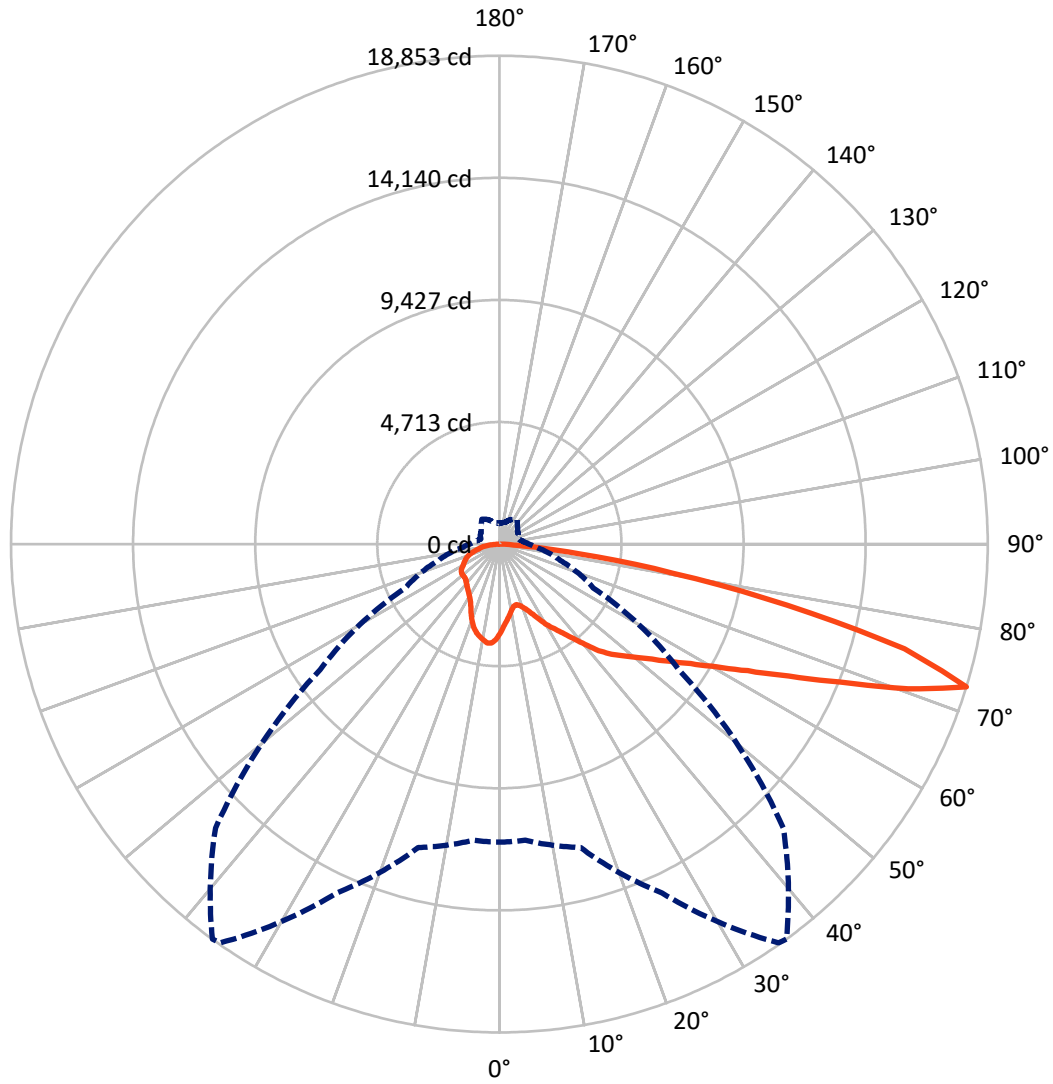
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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	5424.2	0.0	5424.2
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	18103.7	0.0	18103.7
	% Fixture	76.9	0.0	76.9
Total	Lumens	23527.9	0.0	23527.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.9	1.4
10°-20°	908.1	3.9
20°-30°	1503.9	6.4
30°-40°	2252.3	9.6
40°-50°	3285.9	14.0
50°-60°	4676.8	19.9
60°-70°	5908.8	25.1
70°-80°	4210.5	17.9
80°-90°	459.6	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°	23527.9	100.0
0°-180°	23527.9	100.0

Coefficient of Utilization



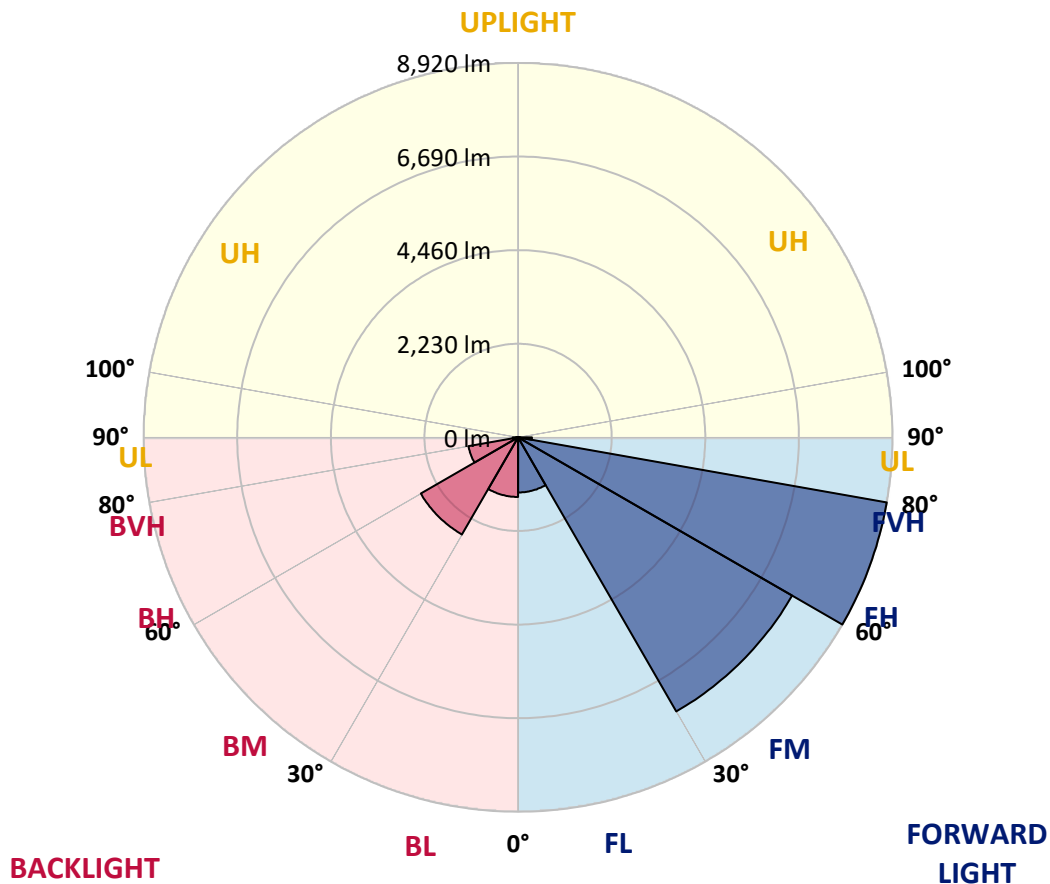
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1313.5	5.6			
FM (30°-60°)	7540.1	32.0			
FH (60°-80°)	8920.2	37.9			G4/12000
FVH (80°-90°)	329.9	1.4			G3/500
BL (0°-30°)	1420.4	6.0	B3/2500		
BM (30°-60°)	2674.9	11.4	B3/5000		
BH (60°-80°)	1199.2	5.1	B3/2500		G3/2500
BVH (80°-90°)	129.7	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°	3443.4	3443.4	3443.4	3443.4	3443.4	3443.4	3443.4	3443.4	3443.4	3443.4	3443.4
2.5°	3141.3	3136.1	3125.6	3157.0	3188.5	3185.0	3228.6	3270.5	3315.9	3363.1	3426.0
5°	2889.9	2886.4	2877.7	2924.8	2972.0	2970.2	3041.8	3109.9	3202.4	3303.7	3429.4
7.5°	2638.4	2629.7	2641.9	2701.3	2767.7	2774.6	2872.4	2984.2	3118.6	3270.5	3448.7
10°	2416.7	2414.9	2420.2	2486.5	2586.1	2593.0	2718.8	2874.2	3052.3	3254.8	3492.3
12.5°	2359.1	2355.6	2341.6	2374.8	2449.9	2460.3	2598.3	2788.6	3006.9	3263.6	3551.7
15°	2453.3	2444.6	2395.7	2380.0	2416.7	2425.4	2542.4	2738.0	2980.7	3279.3	3626.8
17.5°	2615.7	2610.5	2518.0	2453.3	2477.8	2484.8	2572.1	2729.2	2973.7	3310.7	3719.3
20°	2853.2	2830.5	2685.6	2587.8	2587.8	2598.3	2650.7	2767.7	2982.4	3349.1	3824.1
22.5°	3167.5	3122.1	2917.8	2785.1	2750.2	2764.2	2786.9	2863.7	3019.1	3413.7	3955.0
25°	3520.2	3478.3	3235.6	3048.8	2999.9	3005.1	2985.9	2999.9	3099.4	3502.8	4117.4
27.5°	3895.7	3867.7	3609.3	3371.8	3295.0	3295.0	3226.9	3193.7	3211.2	3604.1	4299.0
30°	4230.9	4192.5	3974.2	3714.1	3612.8	3612.8	3483.6	3412.0	3370.1	3728.0	4541.7
32.5°	4407.3	4384.6	4239.7	4040.6	3916.6	3897.4	3785.7	3701.8	3604.1	3911.4	4870.0
35°	4637.8	4632.5	4545.2	4389.8	4232.7	4204.7	4127.9	4061.6	3892.2	4140.1	5306.6
37.5°	4927.6	4918.9	4904.9	4812.4	4623.8	4618.6	4550.5	4470.2	4250.1	4470.2	5835.6
40°	5252.4	5236.7	5219.3	5217.5	5104.0	5084.8	5079.6	4988.8	4681.4	4868.3	6387.4
42.5°	5699.4	5645.3	5481.2	5554.5	5638.3	5620.9	5687.2	5551.0	5219.3	5341.5	6909.5
45°	6249.5	6116.8	5792.0	5812.9	6024.2	6059.2	6289.6	6256.5	5811.2	5888.0	7459.6
47.5°	6579.5	6464.3	6162.2	6144.7	6408.4	6452.0	6953.2	7016.0	6448.5	6546.3	8138.8
50°	6850.2	6769.8	6521.9	6546.3	6825.7	6869.4	7611.5	7745.9	7049.2	7220.3	8928.1
52.5°	7176.7	7061.4	6869.4	6984.6	7326.9	7379.2	8343.1	8488.0	7590.5	7960.7	9745.3
55°	7360.0	7312.9	7316.4	7492.7	7922.3	7993.9	9109.7	9085.2	8086.4	8594.6	10359.9
57.5°	7782.6	7765.1	7925.8	7992.1	8617.3	8709.8	9876.2	9666.7	8536.9	9085.2	10655.0
60°	8528.2	8484.6	8624.2	8725.5	9476.4	9607.3	10731.9	10235.9	8842.5	9450.2	10555.5
62.5°	9575.9	9521.8	9527.0	9687.7	10627.1	10765.0	11683.5	10710.9	8936.8	9506.1	9925.1
65°	10878.5	10800.0	10710.9	10929.2	12155.0	12270.2	12719.0	11056.6	8711.6	8968.2	8608.5
67.5°	12252.8	12188.1	12083.4	12540.9	14133.4	14203.2	13880.2	11027.0	7997.4	7529.4	6038.2
70°	12333.1	12348.8	12844.7	14500.1	16715.9	16733.4	14978.5	10429.8	6476.5	4880.5	3008.6
72.5°	11505.4	11479.2	12125.3	14858.0	18793.8	18853.2	15497.1	8449.6	4002.2	2434.1	1410.9
75°	9345.4	9390.8	10070.1	13000.1	16108.3	16160.6	12633.4	4981.8	1901.6	1190.9	902.8
77.5°	4023.1	4276.3	5615.6	9158.6	11536.8	11374.4	6511.4	2018.6	1014.5	848.6	691.5
80°	1161.2	1260.7	2001.1	4354.9	6913.0	6790.8	2577.3	756.1	707.2	637.3	495.9
82.5°	375.4	415.6	733.4	1733.9	3097.7	3094.2	977.8	447.0	462.7	433.0	319.5
85°	104.8	120.5	225.3	525.6	958.6	939.4	282.9	211.3	246.2	249.7	158.9
87.5°	0.0	0.0	1.7	3.5	3.5	3.5	7.0	31.4	71.6	90.8	64.6
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°	3443.4	3443.4	3443.4	3443.4	3443.4	3443.4	3443.4	3443.4	3443.4	3443.4	3443.4
2.5°	3464.4	3459.1	3530.7	3586.6	3639.0	3673.9	3684.4	3691.4	3705.3	3712.3	3705.3
5°	3488.8	3515.0	3633.7	3721.1	3790.9	3832.8	3834.6	3831.1	3841.5	3832.8	3827.6
7.5°	3541.2	3591.8	3742.0	3834.6	3880.0	3881.7	3839.8	3790.9	3766.5	3745.5	3738.5
10°	3611.0	3686.1	3850.3	3911.4	3897.4	3832.8	3740.3	3663.4	3619.8	3588.3	3581.4
12.5°	3707.1	3790.9	3946.3	3944.6	3857.3	3742.0	3633.7	3541.2	3478.3	3441.7	3429.4
15°	3797.9	3904.4	4016.2	3934.1	3796.1	3656.4	3516.8	3392.8	3309.0	3251.3	3240.9
17.5°	3909.6	4023.1	4066.8	3900.9	3719.3	3539.5	3352.6	3190.2	3076.7	3008.6	3003.4
20°	4038.9	4140.1	4091.2	3843.3	3619.8	3384.0	3130.9	2949.3	2827.0	2760.7	2765.9
22.5°	4189.0	4262.4	4098.2	3764.7	3481.8	3164.0	2881.2	2706.5	2624.5	2589.5	2591.3
25°	4349.7	4396.8	4086.0	3658.2	3270.5	2895.1	2624.5	2544.1	2537.2	2528.4	2531.9
27.5°	4540.0	4529.5	4049.3	3508.0	2985.9	2582.6	2444.6	2465.6	2493.5	2490.0	2493.5
30°	4794.9	4695.4	4002.2	3300.2	2647.2	2320.6	2338.1	2397.5	2434.1	2437.6	2448.1
32.5°	5086.5	4878.8	3927.1	3017.4	2324.1	2174.0	2238.6	2310.2	2353.8	2362.5	2376.5
35°	5434.0	5088.3	3794.4	2664.6	2091.9	2086.7	2146.0	2194.9	2242.1	2245.6	2245.6
37.5°	5833.9	5297.8	3583.1	2275.2	1948.7	2011.6	2067.4	2077.9	2090.1	2079.7	2084.9
40°	6200.6	5500.4	3282.8	1920.8	1831.7	1945.2	1992.4	1957.4	1919.0	1892.8	1898.1
42.5°	6507.9	5638.3	2884.6	1672.8	1713.0	1885.8	1922.5	1850.9	1775.8	1726.9	1733.9
45°	6853.7	5765.8	2416.7	1505.2	1611.7	1843.9	1868.4	1775.8	1679.8	1606.5	1596.0
47.5°	7330.3	6026.0	2001.1	1388.2	1540.1	1821.2	1861.4	1735.7	1610.0	1499.9	1487.7
50°	7918.8	6394.4	1653.6	1311.4	1506.9	1809.0	1859.7	1692.0	1541.9	1412.6	1403.9
52.5°	8561.4	6754.1	1396.9	1252.0	1473.8	1772.3	1850.9	1643.1	1470.3	1330.6	1320.1
55°	8989.2	6895.6	1224.1	1196.1	1419.6	1714.7	1816.0	1596.0	1362.0	1234.5	1218.8
57.5°	9114.9	6714.0	1103.6	1145.5	1349.8	1634.4	1749.6	1496.5	1295.6	1194.4	1182.1
60°	8898.4	6256.5	1028.5	1103.6	1272.9	1531.4	1634.4	1438.8	1243.3	1152.5	1143.7
62.5°	8287.2	5551.0	970.9	1059.9	1194.4	1423.1	1561.1	1369.0	1185.6	1114.0	1101.8
65°	7058.0	4552.2	923.7	1014.5	1119.3	1320.1	1480.7	1299.1	1122.8	1068.6	1054.7
67.5°	4936.4	3197.2	873.1	960.4	1044.2	1220.6	1396.9	1234.5	1058.2	1018.0	1004.0
70°	2413.2	1695.5	812.0	897.5	963.9	1119.3	1313.1	1156.0	972.6	949.9	930.7
72.5°	1149.0	948.2	740.4	812.0	853.9	984.8	1173.4	1042.5	871.3	822.4	789.3
75°	770.1	674.0	646.1	710.7	721.2	825.9	1005.8	899.3	768.3	712.4	684.5
77.5°	583.2	515.1	543.1	600.7	579.7	679.3	827.7	801.5	693.2	642.6	628.6
80°	410.3	375.4	431.3	466.2	450.5	578.0	745.6	686.2	571.0	515.1	504.6
82.5°	258.4	251.4	317.8	323.0	328.3	457.5	612.9	539.6	443.5	364.9	338.8
85°	129.2	143.2	190.3	190.3	188.6	235.7	349.2	303.8	239.2	190.3	185.1
87.5°	43.7	61.1	82.1	66.4	50.6	40.2	45.4	55.9	59.4	57.6	57.6
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)