

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: P635743

Luminaire Tested: GWS-SA3E-735-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635743
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-735-U-T2R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19089.5 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

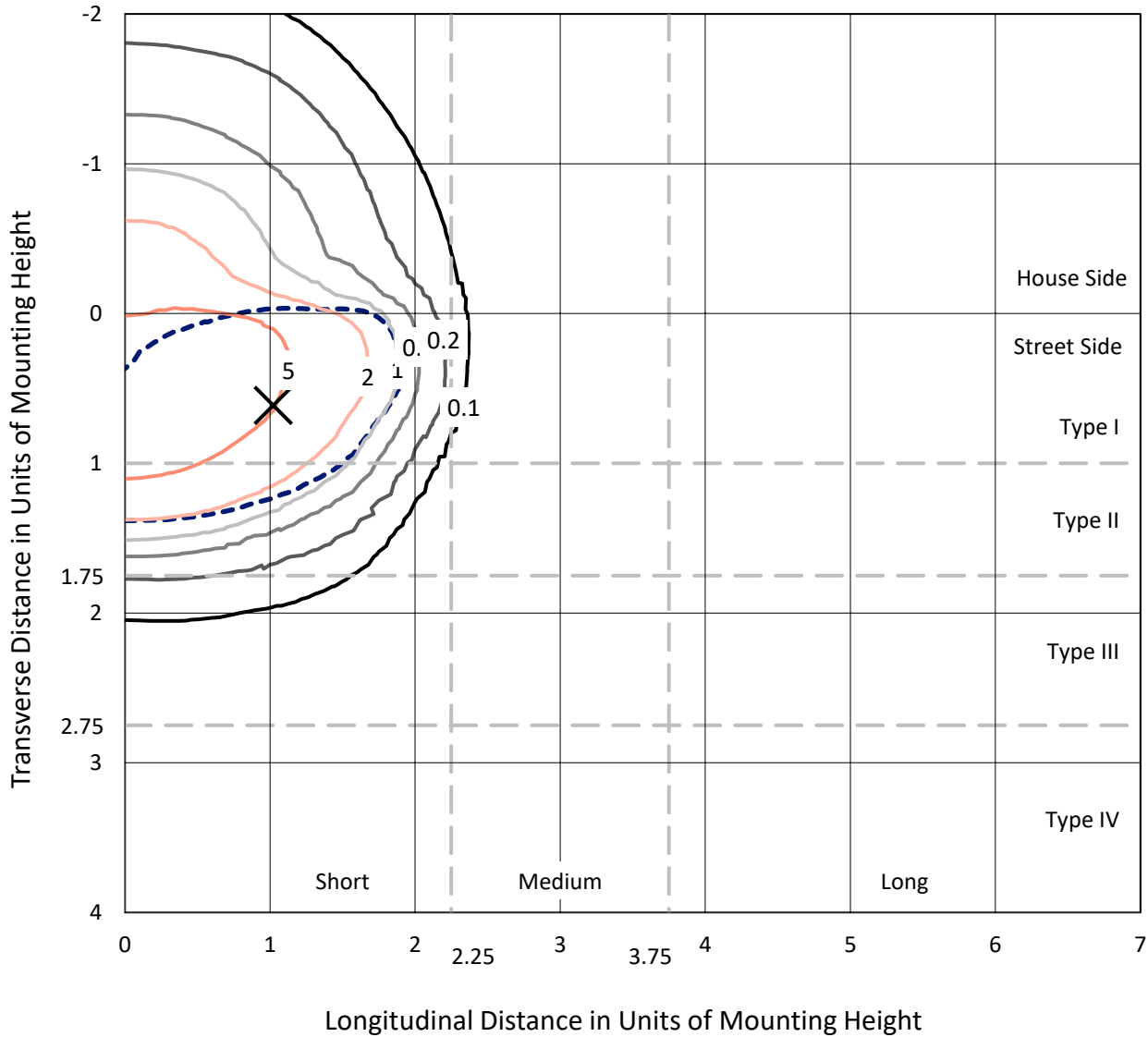
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

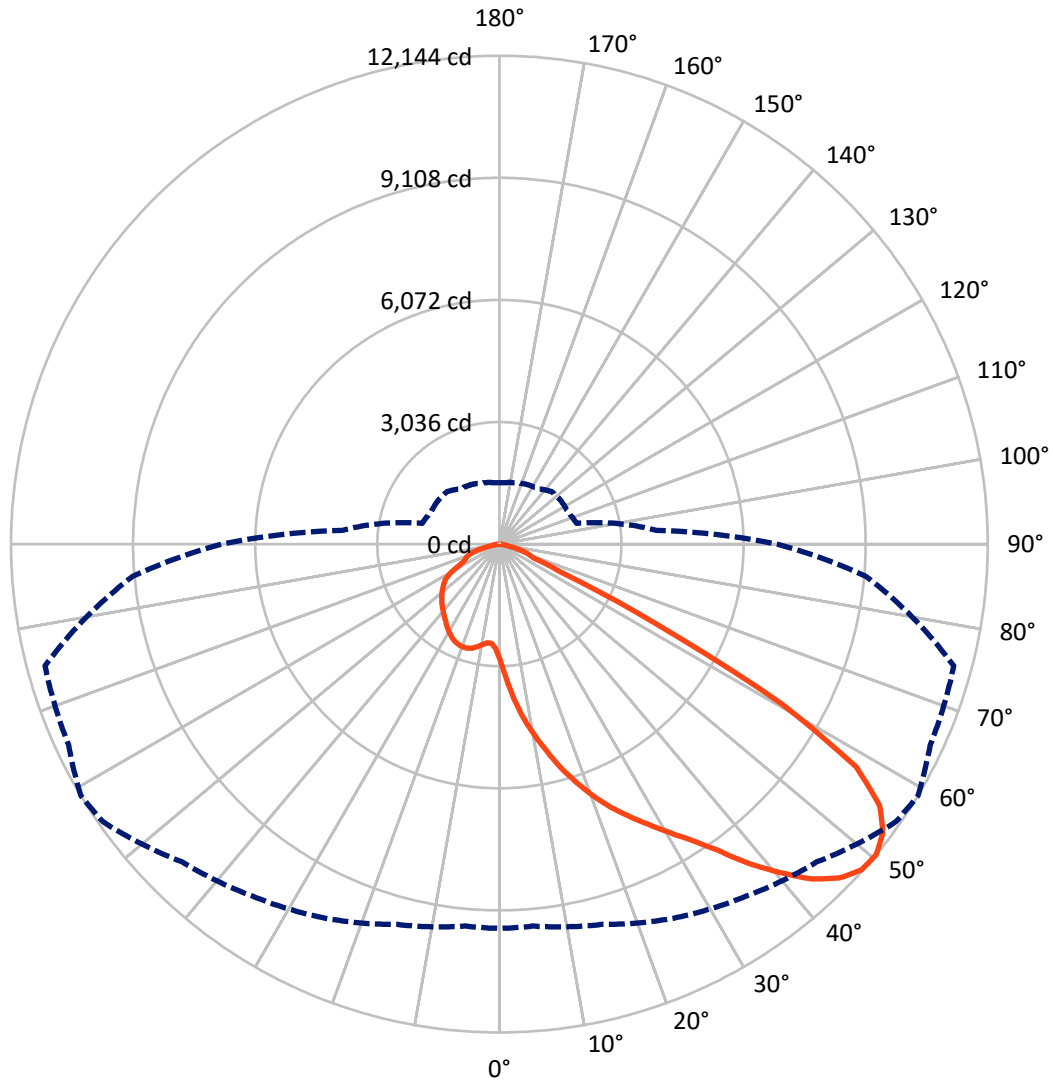
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4390.9	0.0	4390.9
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	14698.5	0.0	14698.5
	% Fixture	77.0	0.0	77.0
Total	Lumens	19089.5	0.0	19089.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.5	1.7
10°-20°	1177.8	6.2
20°-30°	2230.3	11.7
30°-40°	3698.6	19.4
40°-50°	5052.5	26.5
50°-60°	4586.3	24.0
60°-70°	1527.3	8.0
70°-80°	445.5	2.3
80°-90°	46.8	0.2
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°	19089.5	100.0
0°-180°	19089.5	100.0

Coefficient of Utilization



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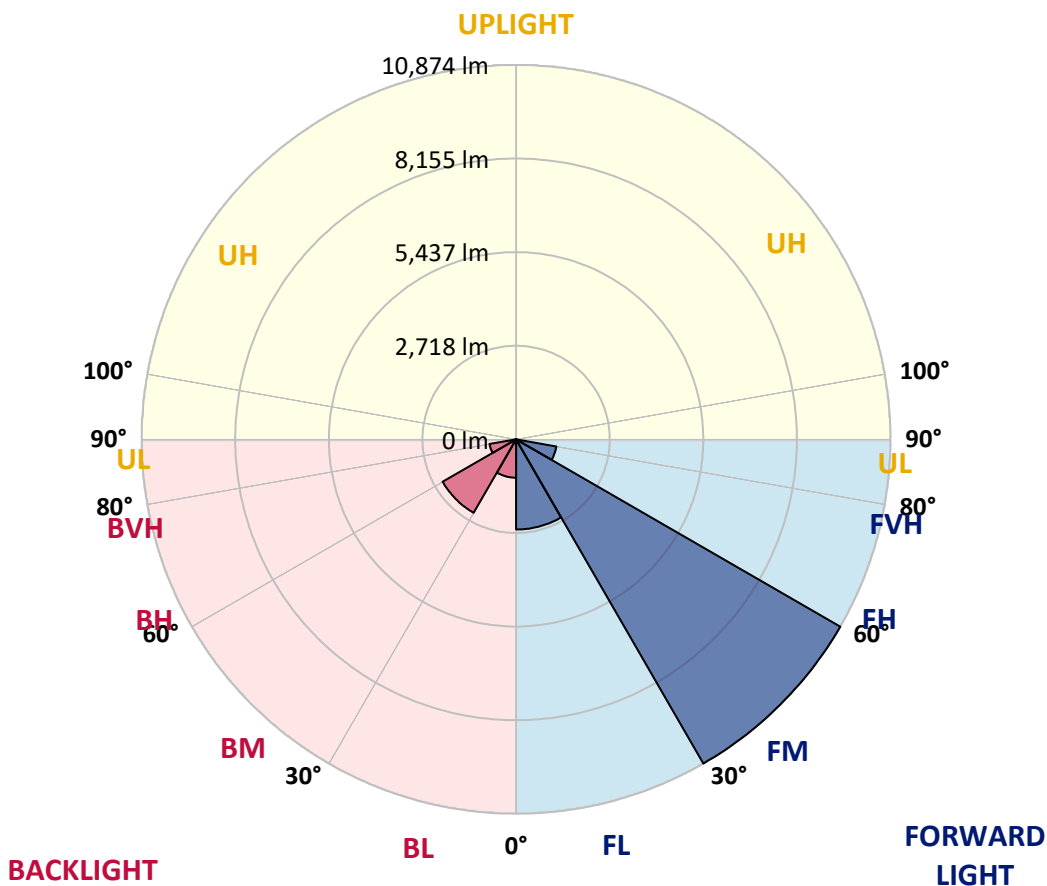
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2617.6	13.7			
FM (30°-60°)	10873.6	57.0			
FH (60°-80°)	1189.0	6.2			G1/1800
FVH (80°-90°)	18.3	0.1			G1/100
BL (0°-30°)	1115.0	5.8	B3/2500		
BM (30°-60°)	2463.7	12.9	B2/2500		
BH (60°-80°)	783.7	4.1	B2/1000		G2/1000
BVH (80°-90°)	28.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2892.2	2892.2	2892.2	2892.2	2892.2	2892.2	2892.2	2892.2	2892.2	2892.2	2892.2
2.5°	3747.4	3775.4	3731.9	3735.0	3626.1	3576.4	3436.4	3354.0	3299.6	3147.2	3008.8
5°	4503.1	4470.5	4436.3	4416.0	4321.2	4187.5	4013.3	3874.9	3747.4	3448.9	3161.2
7.5°	4966.5	4949.4	4926.1	4913.6	4820.3	4680.4	4506.2	4388.0	4203.0	3798.7	3346.2
10°	5359.9	5339.7	5325.7	5335.0	5258.8	5168.6	4978.9	4843.6	4635.3	4168.8	3570.1
12.5°	5664.7	5675.5	5680.2	5730.0	5697.3	5642.9	5447.0	5303.9	5072.2	4559.1	3832.9
15°	5905.7	5902.6	5957.0	6051.8	6104.7	6070.5	5913.4	5793.7	5510.7	4943.2	4115.9
17.5°	5961.7	5964.8	6050.3	6216.7	6389.3	6473.2	6384.6	6241.5	5961.7	5322.6	4409.8
20°	6006.7	6013.0	6101.6	6291.3	6543.2	6778.0	6792.0	6689.4	6448.3	5733.1	4708.4
22.5°	6291.3	6305.3	6328.6	6448.3	6675.4	6972.4	7135.6	7113.9	6911.7	6163.8	5030.2
25°	7039.2	6997.2	6883.7	6849.5	6936.6	7177.6	7456.0	7497.9	7398.4	6638.1	5377.0
27.5°	7962.9	7917.8	7749.8	7572.6	7384.4	7468.4	7765.4	7891.3	7892.9	7160.5	5725.3
30°	8801.0	8765.2	8628.4	8374.9	8049.9	7928.7	8147.9	8317.4	8418.5	7763.8	6121.8
32.5°	9517.8	9485.2	9300.1	9093.3	8776.1	8532.0	8611.3	8774.5	9010.9	8544.4	6614.7
35°	10121.1	10088.5	9911.2	9702.8	9409.0	9262.8	9234.8	9346.8	9653.1	9359.2	7180.7
37.5°	10610.9	10578.3	10393.2	10197.3	9973.4	9982.7	10024.7	10079.1	10254.9	10231.5	7785.6
40°	10928.1	10893.9	10761.8	10621.8	10480.3	10592.3	10800.6	10735.3	10828.6	10935.9	8342.3
42.5°	11069.6	11026.1	10949.9	10918.8	10875.3	11049.4	11450.6	11385.3	11273.3	11405.5	8755.9
45°	10928.1	10890.8	10889.3	10984.1	11085.2	11309.1	11900.0	11847.1	11564.1	11632.5	9003.1
47.5°	10494.3	10461.7	10550.3	10799.1	11047.9	11374.4	12100.6	12109.9	11770.9	11727.4	9163.3
50°	9556.7	9534.9	9791.5	10262.6	10691.8	11170.7	12036.8	12144.1	11820.7	11697.8	9143.1
52.5°	7650.3	7751.4	8309.6	9096.4	9929.9	10813.1	11800.5	11940.4	11581.2	11503.5	9034.2
55°	5237.0	5283.7	5841.9	6991.0	8312.7	10038.7	11257.8	11473.9	11298.2	11470.8	9147.7
57.5°	2711.8	2749.1	3189.2	4209.2	5638.2	7933.3	9751.0	10460.1	10727.6	11635.6	9500.7
60°	1113.3	1144.4	1326.4	1819.3	2844.0	4619.7	7017.5	8068.6	8696.8	10626.5	8437.1
62.5°	808.6	824.1	911.2	1085.4	1489.6	2264.0	3971.3	4358.5	4800.1	6659.8	5356.8
65°	681.1	698.2	768.1	873.9	1086.9	1388.6	1696.4	1705.8	1879.9	2713.4	1985.7
67.5°	570.7	586.2	648.4	738.6	878.5	985.8	911.2	912.8	909.6	984.3	951.6
70°	444.7	457.2	519.4	615.8	688.8	632.9	712.2	788.4	755.7	785.2	830.3
72.5°	325.0	339.0	393.4	466.5	447.8	450.9	576.9	654.6	636.0	668.6	710.6
75°	234.8	244.1	272.1	233.2	245.7	297.0	405.8	447.8	466.5	494.5	531.8
77.5°	76.2	76.2	85.5	107.3	133.7	164.8	206.8	223.9	251.9	283.0	309.4
80°	38.9	40.4	48.2	59.1	74.6	94.9	121.3	129.1	143.1	160.2	171.0
82.5°	18.7	20.2	23.3	29.5	38.9	49.8	66.9	74.6	84.0	94.9	102.6
85°	4.7	4.7	6.2	9.3	12.4	18.7	24.9	29.5	37.3	45.1	49.8
87.5°	0.0	0.0	0.0	0.0	0.0	1.6	4.7	6.2	7.8	9.3	12.4
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°	2892.2	2892.2	2892.2	2892.2	2892.2	2892.2	2892.2	2892.2	2892.2	2892.2	2892.2
2.5°	2946.6	2859.5	2747.6	2652.7	2565.7	2498.8	2441.3	2413.3	2386.8	2368.2	2374.4
5°	3027.5	2878.2	2669.8	2525.2	2436.6	2391.5	2360.4	2344.9	2341.7	2329.3	2324.6
7.5°	3145.6	2932.6	2654.3	2508.1	2449.0	2425.7	2408.6	2399.3	2403.9	2391.5	2386.8
10°	3291.8	3022.8	2693.2	2564.1	2512.8	2495.7	2477.0	2464.6	2458.4	2439.7	2436.6
12.5°	3473.7	3134.8	2763.1	2635.6	2584.3	2554.8	2529.9	2508.1	2494.1	2470.8	2464.6
15°	3669.7	3259.2	2845.5	2705.6	2645.0	2601.4	2561.0	2528.3	2503.5	2472.4	2467.7
17.5°	3882.7	3389.8	2914.0	2753.8	2676.1	2618.5	2559.4	2511.2	2477.0	2436.6	2431.9
20°	4105.0	3521.9	2965.3	2777.1	2677.6	2599.9	2520.6	2456.8	2413.3	2372.8	2369.7
22.5°	4335.2	3643.2	2996.4	2770.9	2652.7	2556.3	2461.5	2389.9	2338.6	2290.4	2287.3
25°	4566.9	3759.9	3004.2	2746.0	2603.0	2491.0	2396.2	2312.2	2254.7	2200.2	2194.0
27.5°	4801.7	3857.8	2985.5	2696.3	2536.1	2414.8	2320.0	2237.6	2178.5	2124.1	2114.7
30°	5052.0	3941.8	2945.1	2631.0	2458.4	2334.0	2240.7	2178.5	2122.5	2068.1	2058.7
32.5°	5319.5	4014.9	2887.5	2551.7	2368.2	2253.1	2184.7	2128.7	2072.7	2024.5	2015.2
35°	5638.2	4063.1	2802.0	2449.0	2284.2	2194.0	2147.4	2082.1	2013.7	1960.8	1956.1
37.5°	5967.9	4100.4	2699.4	2351.1	2211.1	2159.8	2120.9	2032.3	1946.8	1883.0	1875.3
40°	6286.6	4131.5	2571.9	2259.3	2144.3	2134.9	2082.1	1971.7	1823.9	1752.4	1746.2
42.5°	6583.6	4140.8	2438.2	2161.4	2083.6	2079.0	2019.9	1848.8	1735.3	1690.2	1684.0
45°	6787.3	4133.0	2299.8	2069.6	2023.0	1998.1	1935.9	1760.2	1690.2	1649.8	1642.0
47.5°	6938.2	4092.6	2144.3	1973.2	1954.6	1920.4	1786.6	1704.2	1638.9	1598.5	1590.7
50°	6911.7	3924.7	1987.2	1879.9	1872.2	1842.6	1677.8	1634.2	1576.7	1533.2	1527.0
52.5°	6774.9	3605.9	1827.1	1777.3	1792.8	1735.3	1600.0	1550.3	1500.5	1450.8	1439.9
55°	6809.1	3375.8	1705.8	1677.8	1705.8	1575.2	1513.0	1460.1	1413.4	1365.2	1355.9
57.5°	6958.4	3148.8	1576.7	1570.5	1600.0	1452.3	1401.0	1334.1	1267.3	1228.4	1228.4
60°	5843.5	2295.1	1349.7	1365.2	1432.1	1352.8	1307.7	1239.3	1166.2	1132.0	1132.0
62.5°	3455.1	1439.9	1119.6	1102.5	1144.4	1194.2	1219.1	1163.1	1076.0	1030.9	1032.5
65°	1522.3	1048.0	987.4	973.4	961.0	995.2	1063.6	1068.2	976.5	923.6	925.2
67.5°	937.6	948.5	923.6	912.8	901.9	895.6	889.4	892.5	867.7	819.5	817.9
70°	845.9	875.4	858.3	849.0	835.0	824.1	786.8	726.2	684.2	671.7	685.7
72.5°	727.7	768.1	758.8	754.1	737.0	710.6	660.9	601.8	552.0	520.9	527.1
75°	548.9	581.5	586.2	587.8	569.1	544.2	492.9	443.2	399.6	367.0	374.7
77.5°	315.7	334.3	339.0	343.6	329.6	320.3	286.1	250.3	227.0	192.8	202.1
80°	175.7	183.5	183.5	185.0	177.3	166.4	143.1	122.8	112.0	96.4	98.0
82.5°	105.7	108.8	110.4	112.0	107.3	96.4	79.3	65.3	59.1	51.3	49.8
85°	51.3	54.4	54.4	56.0	48.2	42.0	32.7	24.9	21.8	15.5	17.1
87.5°	12.4	14.0	14.0	12.4	10.9	7.8	4.7	1.6	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)