

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: P641774

Luminaire Tested: GWS-SA6B-750-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641774
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-750-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18137.3 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

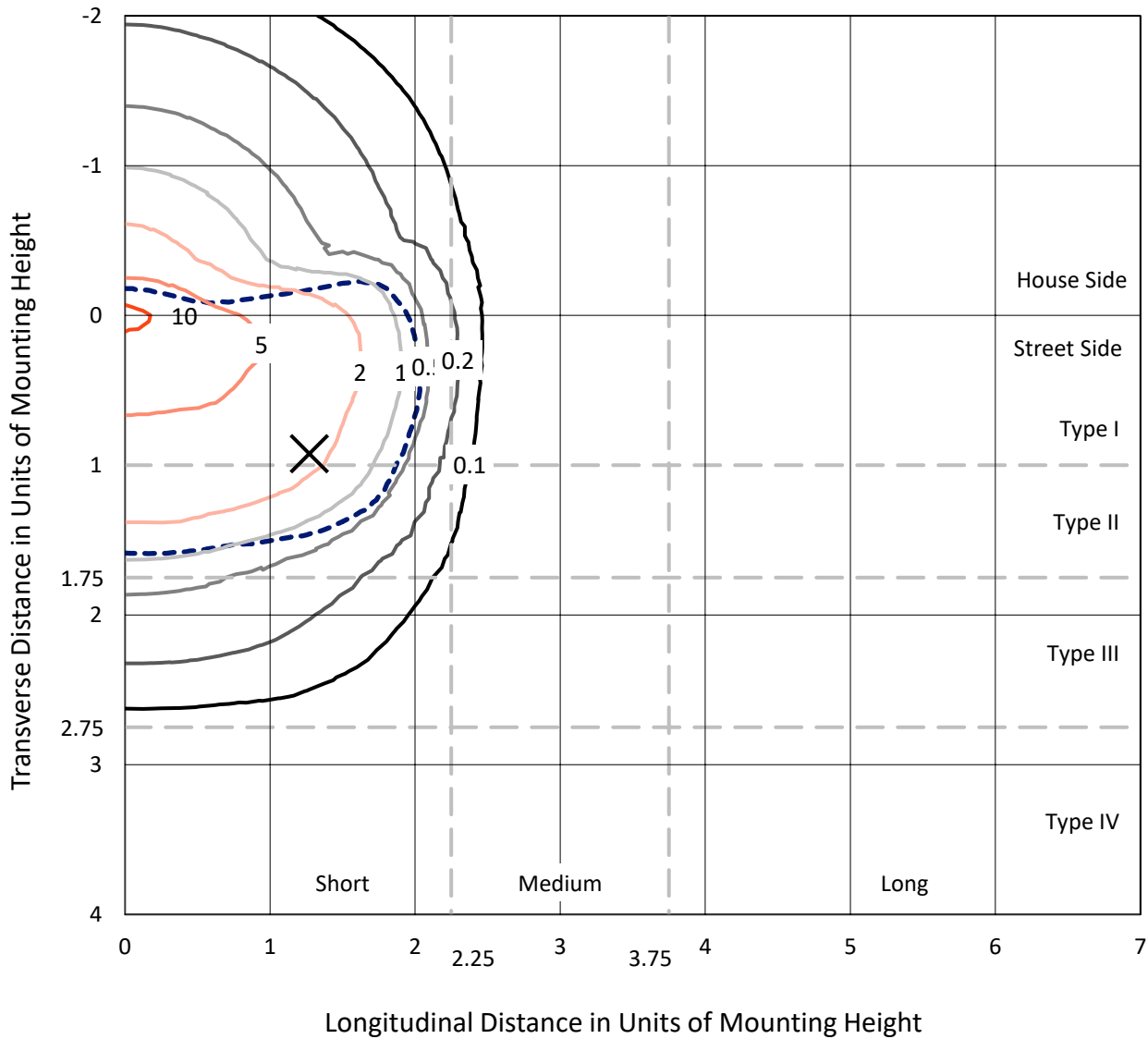
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

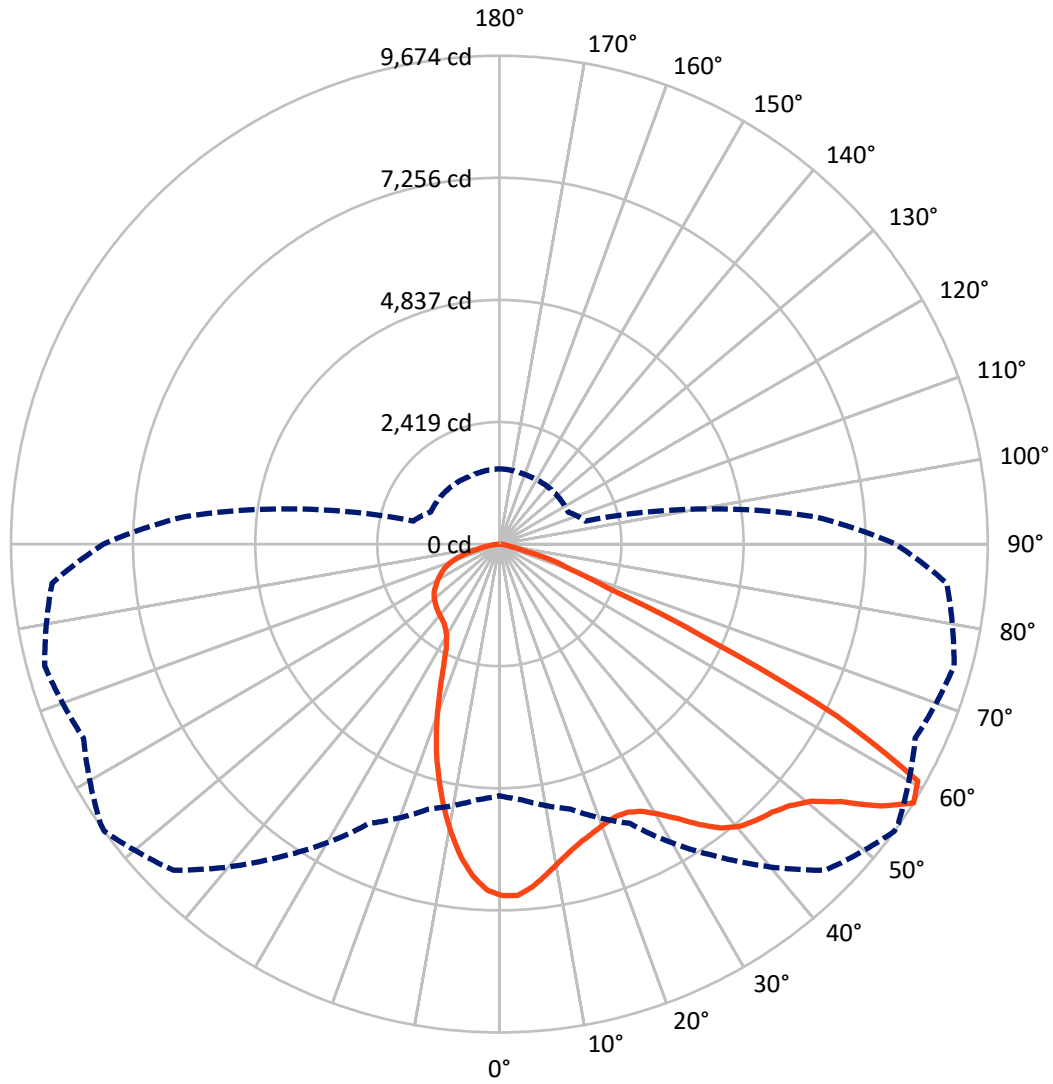
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5272.7	0.0	5272.7
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	12864.6	0.0	12864.6
	% Fixture	70.9	0.0	70.9
Total	Lumens	18137.3	0.0	18137.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	612.1	3.4
10°-20°	1460.5	8.1
20°-30°	2021.1	11.1
30°-40°	2808.3	15.5
40°-50°	3708.9	20.4
50°-60°	4407.5	24.3
60°-70°	2441.8	13.5
70°-80°	608.1	3.4
80°-90°	69.1	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°	18137.3	100.0
0°-180°	18137.3	100.0

Coefficient of Utilization



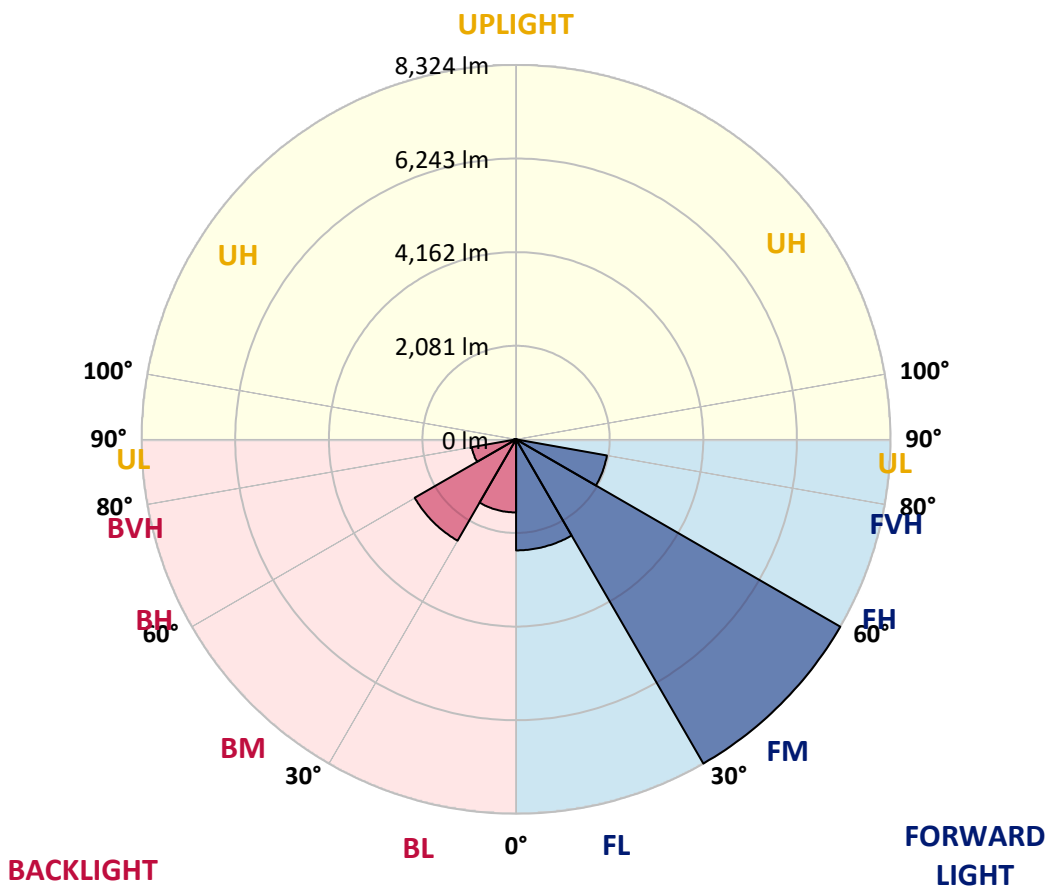
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2468.8	13.6			
FM (30°-60°)	8323.5	45.9			
FH (60°-80°)	2050.7	11.3			G2/5000
FVH (80°-90°)	21.6	0.1			G1/100
BL (0°-30°)	1624.8	9.0	B3/2500		
BM (30°-60°)	2601.2	14.3	B3/5000		
BH (60°-80°)	999.2	5.5	B2/1000		G2/1000
BVH (80°-90°)	47.5	0.3			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°	54°	55°	65°	75°	85°
0°	6963.3	6963.3	6963.3	6963.3	6963.3	6963.3	6963.3	6963.3	6963.3	6963.3	6963.3
2.5°	6832.9	6846.9	6856.2	6888.8	6916.7	6941.6	6968.0	6968.0	6966.4	6961.8	6952.5
5°	6562.8	6578.3	6600.0	6645.0	6705.6	6749.1	6820.5	6826.7	6857.7	6870.2	6864.0
7.5°	6249.1	6253.8	6281.7	6340.7	6437.0	6514.6	6617.1	6629.5	6704.0	6747.5	6739.7
10°	5906.0	5890.5	5940.2	6027.1	6152.9	6283.3	6415.3	6426.1	6545.7	6628.0	6621.8
12.5°	5592.4	5593.9	5643.6	5749.2	5906.0	6067.5	6244.5	6269.3	6416.8	6522.4	6511.5
15°	5330.0	5336.2	5396.8	5516.3	5694.9	5887.4	6107.8	6131.1	6317.4	6457.2	6426.1
17.5°	5120.4	5126.6	5179.4	5316.0	5507.0	5739.9	6008.5	6031.8	6263.1	6429.2	6365.6
20°	4976.0	4972.9	5024.1	5154.6	5351.7	5604.8	5921.5	5955.7	6246.0	6440.1	6325.2
22.5°	4917.0	4915.5	4952.7	5059.9	5244.6	5500.8	5868.8	5915.3	6264.7	6488.2	6300.4
25°	4946.5	4940.3	4972.9	5052.1	5199.6	5460.4	5884.3	5934.0	6343.8	6587.6	6305.0
27.5°	5038.1	5030.4	5058.3	5129.7	5241.5	5502.3	5993.0	6050.4	6511.5	6769.2	6367.1
30°	5177.9	5173.2	5201.1	5269.5	5367.3	5642.1	6201.0	6266.2	6770.8	7051.8	6502.2
32.5°	5340.9	5333.1	5382.8	5462.0	5575.3	5896.7	6480.5	6565.9	7078.2	7415.1	6728.9
35°	5524.1	5517.9	5586.2	5701.1	5864.1	6250.7	6818.9	6912.1	7391.8	7826.6	7030.1
37.5°	5702.6	5702.6	5834.6	6005.4	6210.3	6635.7	7137.2	7196.2	7609.2	8191.4	7353.0
40°	5861.0	5870.3	6069.0	6325.2	6586.0	6983.5	7346.8	7396.5	7705.5	8442.9	7634.0
42.5°	6036.4	6044.2	6275.5	6610.9	6921.4	7264.5	7474.1	7499.0	7724.1	8568.7	7832.8
45°	6176.2	6187.0	6474.3	6832.9	7213.3	7475.7	7575.0	7596.8	7750.5	8637.0	7977.2
47.5°	6249.1	6264.7	6593.8	7011.5	7410.5	7665.1	7741.2	7750.5	7859.2	8756.6	8151.0
50°	6236.7	6267.8	6638.8	7099.9	7556.4	7856.1	8008.2	8023.7	8081.2	8932.0	8354.4
52.5°	6346.9	6360.9	6735.1	7205.5	7764.5	8208.5	8472.4	8494.2	8467.8	9064.0	8475.5
55°	6163.7	6230.5	6615.5	7190.0	8081.2	8753.4	9160.2	9149.4	8818.7	9211.5	8677.4
57.5°	4985.3	5083.1	5435.6	6103.2	7559.5	9135.4	9674.1	9647.7	9090.4	9324.8	8896.3
60°	3451.4	3466.9	3785.2	4258.7	5834.6	8070.3	9523.5	9581.0	9140.0	9182.0	8491.1
62.5°	2760.5	2755.8	2785.3	2797.7	3710.7	5673.1	7517.6	7727.2	7593.7	7154.3	6017.8
65°	2356.8	2373.9	2460.8	2415.8	2422.0	3195.2	4491.6	4521.1	4428.0	4269.6	3182.8
67.5°	1844.5	1874.0	2027.7	2203.1	2147.2	2057.2	2330.4	2316.4	1825.8	1412.8	1167.5
70°	1155.1	1173.8	1338.3	1729.6	1869.3	1689.2	1498.2	1492.0	978.1	804.2	881.9
72.5°	673.8	676.9	723.5	964.2	1240.5	1155.1	1102.3	1062.0	628.8	641.2	703.3
75°	371.1	371.1	369.5	416.1	489.1	433.2	419.2	408.3	420.7	476.6	523.2
77.5°	77.6	79.2	83.8	110.2	142.8	173.9	218.9	220.5	274.8	318.3	355.5
80°	35.7	37.3	46.6	59.0	76.1	100.9	133.5	135.1	166.1	200.3	225.1
82.5°	18.6	20.2	24.8	31.1	40.4	52.8	74.5	74.5	99.4	118.0	133.5
85°	6.2	6.2	9.3	12.4	17.1	21.7	29.5	29.5	43.5	57.4	66.8
87.5°	0.0	0.0	0.0	0.0	1.6	3.1	6.2	6.2	7.8	9.3	15.5
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°	6963.3	6963.3	6963.3	6963.3	6963.3	6963.3	6963.3	6963.3	6963.3	6963.3	6963.3
2.5°	6932.3	6884.1	6885.7	6895.0	6865.5	6820.5	6791.0	6753.7	6730.4	6725.8	6742.9
5°	6832.9	6777.0	6738.2	6697.8	6614.0	6514.6	6437.0	6373.3	6331.4	6315.9	6297.3
7.5°	6696.3	6623.3	6525.5	6412.2	6260.0	6083.0	5958.8	5842.4	5761.6	5738.3	5727.5
10°	6559.7	6454.1	6280.2	6069.0	5816.0	5576.9	5351.7	5179.4	5042.8	4965.2	4990.0
12.5°	6418.4	6287.9	6016.2	5691.8	5339.3	4979.1	4684.1	4398.5	4178.0	4067.8	4035.2
15°	6294.2	6117.2	5738.3	5299.0	4830.1	4376.7	3949.8	3521.3	3241.8	3089.6	3047.7
17.5°	6188.6	5958.8	5444.9	4898.4	4337.9	3692.0	3167.3	2769.8	2578.8	2495.0	2488.8
20°	6084.6	5803.5	5154.6	4466.8	3769.7	3046.2	2577.3	2391.0	2322.7	2293.2	2291.6
22.5°	5991.4	5640.5	4848.7	4035.2	3204.5	2560.2	2302.5	2221.7	2203.1	2203.1	2200.0
25°	5912.2	5477.5	4535.1	3577.1	2693.7	2279.2	2159.6	2125.5	2133.2	2147.2	2148.8
27.5°	5879.6	5350.2	4232.3	3106.7	2341.3	2116.2	2061.8	2057.2	2078.9	2100.6	2103.7
30°	5913.8	5263.2	3921.8	2656.5	2130.1	2016.8	1992.0	2001.3	2027.7	2049.4	2049.4
32.5°	6019.4	5219.8	3605.1	2327.3	2007.5	1946.9	1939.2	1948.5	1968.7	1981.1	1982.6
35°	6197.9	5236.9	3277.5	2105.3	1928.3	1895.7	1894.1	1900.4	1908.1	1915.9	1917.4
37.5°	6423.0	5312.9	2926.6	1976.4	1877.1	1858.4	1855.3	1853.8	1855.3	1855.3	1856.9
40°	6643.5	5427.8	2613.0	1900.4	1841.4	1825.8	1818.1	1807.2	1805.7	1802.5	1801.0
42.5°	6806.5	5516.3	2363.0	1846.0	1808.8	1790.1	1780.8	1763.7	1762.2	1760.6	1759.1
45°	6929.2	5590.8	2155.0	1793.2	1774.6	1757.5	1737.3	1721.8	1724.9	1728.0	1728.0
47.5°	7067.3	5656.0	2002.8	1743.5	1732.7	1715.6	1690.8	1679.9	1690.8	1701.6	1701.6
50°	7235.0	5747.7	1878.6	1693.9	1689.2	1669.0	1647.3	1642.6	1655.1	1670.6	1670.6
52.5°	7357.7	5826.8	1790.1	1644.2	1644.2	1617.8	1599.2	1597.6	1611.6	1627.1	1628.7
55°	7587.5	6011.6	1759.1	1586.7	1580.5	1560.3	1546.4	1535.5	1552.6	1566.6	1566.6
57.5°	7846.7	6256.9	1766.8	1504.5	1496.7	1490.5	1479.6	1467.2	1471.8	1487.4	1488.9
60°	7297.1	5781.8	1681.4	1422.2	1417.5	1414.4	1400.4	1378.7	1384.9	1397.3	1398.9
62.5°	5097.1	3842.6	1360.1	1319.7	1335.2	1333.7	1315.0	1290.2	1291.7	1308.8	1308.8
65°	2645.6	2078.9	1193.9	1226.5	1249.8	1240.5	1209.5	1187.7	1184.6	1206.4	1201.7
67.5°	1141.1	1134.9	1086.8	1128.7	1153.6	1133.4	1100.8	1065.1	1068.2	1075.9	1069.7
70°	919.1	947.1	967.3	1012.3	1032.5	995.2	959.5	939.3	922.2	920.7	909.8
72.5°	734.4	773.2	818.2	864.8	871.0	833.7	788.7	770.1	743.7	742.1	731.3
75°	552.7	585.3	621.0	658.3	658.3	622.6	593.1	583.8	552.7	543.4	534.1
77.5°	377.3	397.5	425.4	434.7	444.0	430.1	400.6	385.0	349.3	340.0	327.6
80°	237.5	251.5	268.6	274.8	284.1	267.0	243.8	226.7	201.8	194.1	187.9
82.5°	142.8	152.2	163.0	166.1	173.9	161.5	139.7	127.3	113.3	107.1	102.5
85°	73.0	77.6	83.8	85.4	83.8	71.4	63.7	57.4	48.1	46.6	43.5
87.5°	18.6	21.7	23.3	21.7	20.2	15.5	10.9	7.8	3.1	3.1	1.6
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)