

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: P642656

Luminaire Tested: GWS-SA6D-735-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642656
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-735-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34617.7 lumens
Efficiency: N/A
Efficacy: 140.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

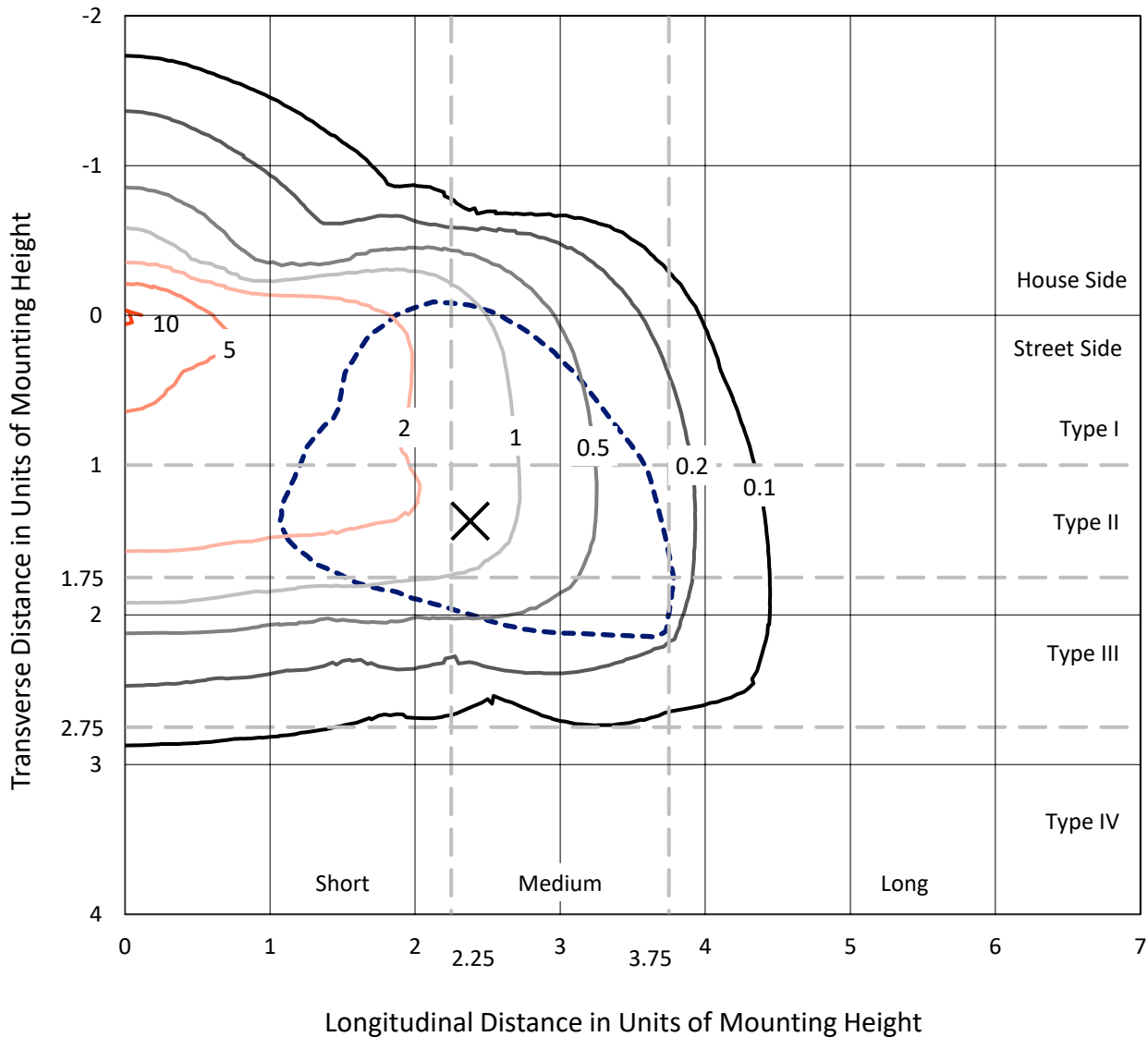
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

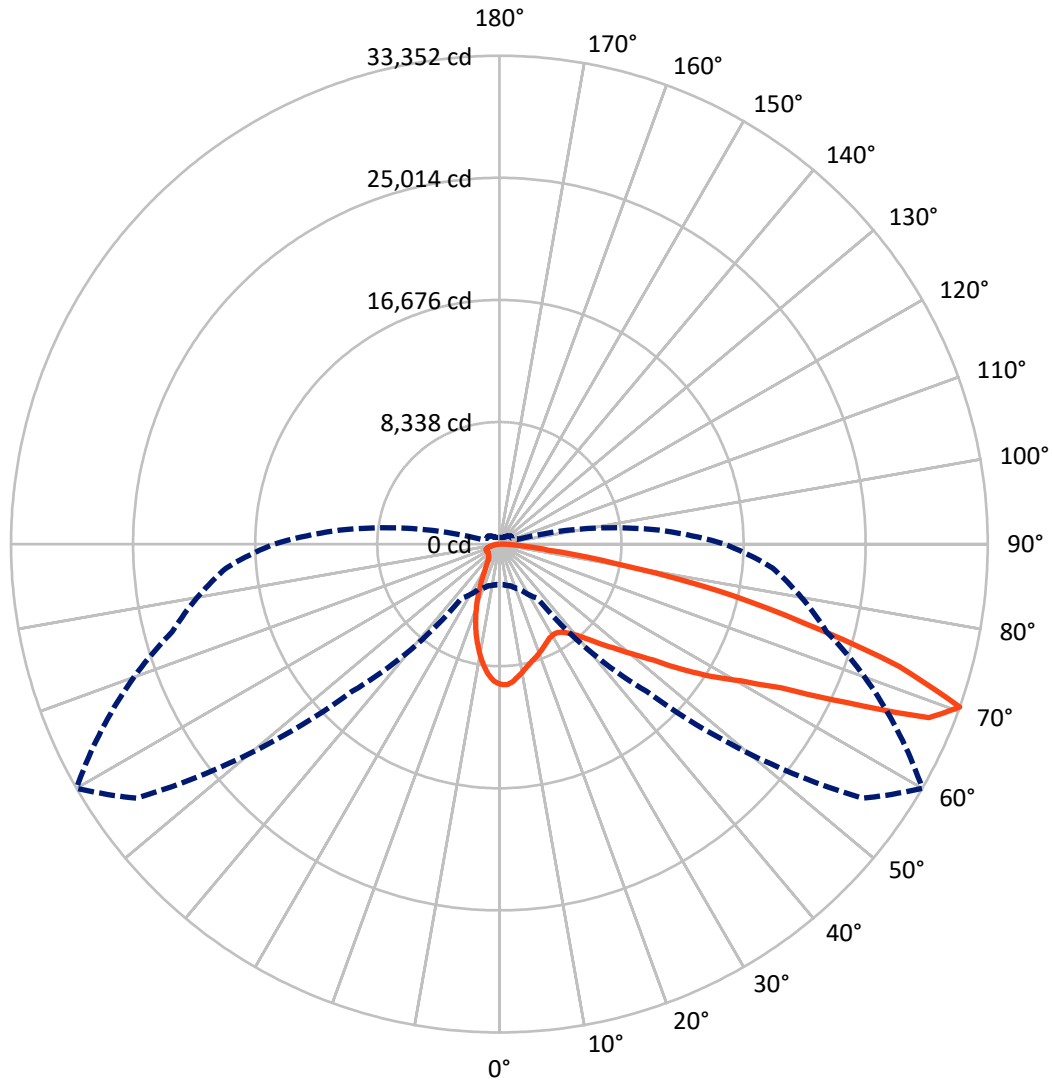
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 10.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5920.4	0.0	5920.4
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	28697.3	0.0	28697.3
	% Fixture	82.9	0.0	82.9
Total	Lumens	34617.7	0.0	34617.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	825.7	2.4
10°-20°	1849.8	5.3
20°-30°	2369.0	6.8
30°-40°	3113.4	9.0
40°-50°	4517.0	13.0
50°-60°	7047.7	20.4
60°-70°	9226.8	26.7
70°-80°	5102.1	14.7
80°-90°	566.2	1.6
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°	34617.7	100.0
0°-180°	34617.7	100.0

Coefficient of Utilization



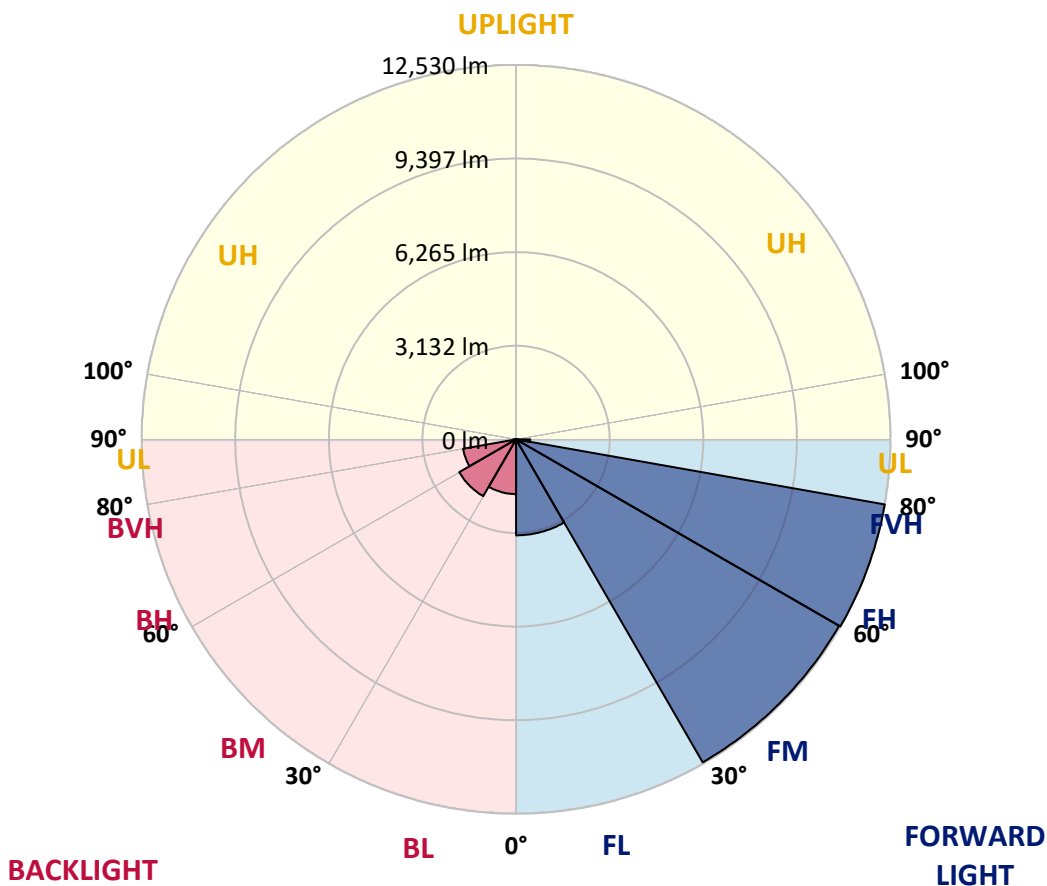
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3212.7	9.3			
FM (30°-60°)	12483.0	36.1			
FH (60°-80°)	12529.7	36.2			G5
FVH (80°-90°)	471.8	1.4			G3/500
BL (0°-30°)	1831.7	5.3	B3/2500		
BM (30°-60°)	2195.1	6.3	B2/2500		
BH (60°-80°)	1799.2	5.2	B3/2500		G3/2500
BVH (80°-90°)	94.4	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-G5
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	9579.2	9579.2	9579.2	9579.2	9579.2	9579.2	9579.2	9579.2	9579.2	9579.2	9579.2
2.5°	9444.9	9455.1	9482.9	9523.4	9564.0	9584.2	9634.9	9619.7	9609.6	9589.3	9564.0
5°	9027.0	9047.3	9072.6	9151.1	9239.8	9310.7	9424.7	9437.3	9442.4	9452.5	9412.0
7.5°	8495.1	8500.2	8561.0	8664.8	8781.3	8902.9	9092.9	9146.1	9191.6	9242.3	9209.4
10°	7907.5	7920.2	7965.8	8115.2	8315.3	8495.1	8750.9	8839.6	8935.8	9047.3	9001.7
12.5°	7426.3	7428.8	7502.2	7661.8	7879.6	8122.8	8441.9	8548.3	8674.9	8849.7	8809.2
15°	7043.8	7043.8	7112.2	7249.0	7499.7	7785.9	8165.8	8302.6	8474.9	8710.4	8639.5
17.5°	6739.9	6742.4	6785.5	6929.8	7152.7	7469.3	7920.2	8105.1	8295.0	8606.6	8500.2
20°	6580.3	6567.6	6575.2	6663.9	6853.8	7160.3	7674.5	7889.8	8145.6	8535.6	8373.5
22.5°	6572.7	6549.9	6517.0	6524.6	6636.0	6889.3	7411.1	7671.9	7993.6	8477.4	8244.4
25°	6701.9	6676.5	6618.3	6552.4	6542.3	6694.3	7162.8	7459.2	7836.6	8452.1	8120.3
27.5°	6919.7	6902.0	6826.0	6727.2	6623.4	6618.3	6975.4	7284.4	7722.6	8477.4	8031.6
30°	7208.4	7178.0	7129.9	7003.3	6846.2	6684.1	6902.0	7190.7	7646.6	8558.4	7993.6
32.5°	7535.2	7517.4	7471.9	7345.2	7178.0	6919.7	6960.2	7211.0	7646.6	8700.3	8001.2
35°	7882.2	7879.6	7879.6	7796.1	7611.2	7289.5	7190.7	7383.2	7763.1	8928.2	8082.3
37.5°	8219.0	8216.5	8297.6	8327.9	8117.7	7770.7	7583.3	7727.7	8018.9	9265.1	8282.4
40°	8492.6	8502.7	8680.0	8832.0	8715.5	8393.8	8130.4	8203.8	8434.3	9743.8	8631.9
42.5°	8768.7	8796.5	9062.5	9330.9	9376.5	9097.9	8832.0	8875.0	9029.5	10377.0	9153.7
45°	9070.1	9082.7	9455.1	9829.9	10050.3	9885.6	9667.8	9726.1	9761.5	11159.7	9931.2
47.5°	9361.3	9394.3	9875.5	10389.7	10807.6	10792.4	10670.8	10653.1	10660.7	12112.0	10850.6
50°	9759.0	9807.1	10371.9	10992.5	11605.4	11886.6	11922.0	11787.8	11732.1	13170.7	11995.5
52.5°	10513.8	10513.8	11020.3	11630.8	12453.9	13150.5	13388.5	13168.2	12990.9	14290.2	13211.2
55°	11458.5	11499.1	11901.8	12395.7	13439.2	14480.2	15285.6	15042.5	14541.0	15508.5	14485.3
57.5°	11879.0	11929.6	12567.9	13335.4	14728.4	15992.3	17109.3	17023.2	16291.2	16774.9	15807.4
60°	11119.1	11225.5	12104.4	13391.1	15896.0	18431.4	19219.1	18968.4	17922.3	18104.7	17241.0
62.5°	9275.2	9391.7	10366.9	12162.7	15733.9	21068.1	22544.7	21620.2	19958.7	19783.9	19150.7
65°	5534.2	5529.2	6701.9	9082.7	13735.5	21800.1	27807.9	26083.1	23104.5	22088.8	21116.2
67.5°	3518.1	3510.5	3756.2	4812.4	9141.0	20006.8	31191.8	31640.1	27377.4	23783.3	21278.3
70°	2776.0	2773.4	2950.7	3432.0	4521.1	14237.0	30249.6	33352.3	29958.3	23137.4	18735.3
72.5°	2023.7	2028.8	2302.3	2874.8	3487.7	7147.6	24495.0	28537.4	27554.7	20424.7	15209.6
75°	1453.8	1461.4	1626.1	2201.0	3216.7	3908.2	16288.6	21458.1	20964.2	16372.2	10463.1
77.5°	924.5	934.6	1079.0	1542.5	2598.7	3155.9	9875.5	15148.9	13948.3	9224.6	3720.7
80°	564.8	597.7	719.3	1149.9	2076.9	2368.2	4936.5	7980.9	6985.5	2530.3	1251.2
82.5°	291.3	316.6	433.1	711.7	1431.0	2079.5	2793.7	3353.5	2163.0	1058.7	666.1
85°	91.2	106.4	152.0	288.7	681.3	1289.2	1849.0	1666.6	992.9	499.0	309.0
87.5°	22.8	22.8	25.3	25.3	27.9	58.3	357.1	377.4	263.4	157.0	126.6
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°	9579.2	9579.2	9579.2	9579.2	9579.2	9579.2	9579.2	9579.2	9579.2	9579.2	9579.2
2.5°	9513.3	9452.5	9427.2	9424.7	9361.3	9270.2	9209.4	9166.3	9141.0	9135.9	9135.9
5°	9343.6	9265.1	9161.2	9082.7	8913.0	8740.8	8596.4	8515.4	8421.7	8409.0	8406.5
7.5°	9118.2	9004.2	8806.7	8586.3	8290.0	8003.7	7760.6	7596.0	7431.3	7400.9	7390.8
10°	8875.0	8720.5	8383.7	7996.1	7552.9	7124.9	6752.5	6461.3	6268.8	6132.0	6106.7
12.5°	8634.4	8429.3	7935.4	7357.9	6750.0	6164.9	5605.2	5129.0	4784.5	4584.4	4549.0
15°	8409.0	8122.8	7446.5	6709.5	5919.2	5118.9	4326.1	3708.1	3224.3	3052.1	3011.5
17.5°	8203.8	7846.7	6972.9	6038.3	5053.0	4006.9	3105.3	2555.6	2271.9	2185.8	2165.6
20°	7998.7	7563.0	6491.6	5331.6	4133.6	2960.9	2269.4	2011.1	1904.7	1871.8	1861.6
22.5°	7778.3	7251.5	5967.3	4635.1	3204.0	2216.2	1856.6	1742.6	1709.7	1712.2	1709.7
25°	7558.0	6934.9	5417.7	3877.8	2385.9	1798.3	1621.0	1578.0	1585.6	1608.3	1613.4
27.5°	7375.6	6653.7	4878.2	3047.0	1864.2	1547.6	1464.0	1461.4	1489.3	1519.7	1524.8
30°	7243.9	6403.0	4346.3	2342.9	1534.9	1375.3	1342.4	1357.6	1390.5	1413.3	1420.9
32.5°	7150.2	6187.7	3779.0	1841.4	1344.9	1253.8	1238.6	1253.8	1274.0	1296.8	1301.9
35°	7117.3	6030.7	3221.8	1502.0	1215.8	1165.1	1155.0	1162.6	1172.7	1185.4	1190.4
37.5°	7190.7	5952.2	2639.2	1306.9	1137.2	1106.8	1091.7	1086.6	1089.1	1094.2	1096.7
40°	7408.5	5987.6	2163.0	1193.0	1086.6	1058.7	1033.4	1023.3	1020.7	1025.8	1023.3
42.5°	7783.4	6137.0	1818.6	1127.1	1046.1	1005.5	977.7	967.5	967.5	980.2	980.2
45°	8333.0	6430.9	1570.4	1079.0	1010.6	959.9	929.5	924.5	934.6	954.9	957.4
47.5°	9138.5	6861.4	1420.9	1043.5	977.7	919.4	889.0	886.5	906.8	939.7	942.2
50°	10093.3	7482.0	1339.9	1018.2	954.9	886.5	856.1	858.6	881.4	916.9	924.5
52.5°	11243.2	8327.9	1344.9	1008.1	942.2	866.2	835.8	830.8	853.6	889.0	896.6
55°	12431.1	9356.3	1443.7	1010.6	924.5	856.1	815.6	797.8	818.1	843.4	846.0
57.5°	13738.1	10516.3	1689.4	1005.5	901.7	846.0	797.8	757.3	770.0	785.2	792.8
60°	15212.2	11881.5	2218.8	1015.7	891.6	823.2	762.4	709.2	706.7	716.8	719.3
62.5°	17182.7	13738.1	2814.0	1033.4	914.4	795.3	709.2	653.5	643.3	648.4	650.9
65°	18689.8	14624.6	2626.5	1018.2	962.5	775.0	658.5	600.3	580.0	575.0	575.0
67.5°	18076.8	13451.9	1828.7	977.7	985.3	777.6	618.0	544.6	519.2	506.6	504.0
70°	15381.9	10926.6	1271.5	937.1	959.9	772.5	575.0	499.0	466.0	448.3	445.8
72.5°	12152.5	8343.1	1028.3	856.1	871.3	696.5	511.6	448.3	420.4	397.7	397.7
75°	7821.4	5091.0	858.6	762.4	711.7	542.0	443.2	400.2	372.3	349.5	349.5
77.5°	2631.6	1889.5	666.1	645.9	531.9	407.8	372.3	344.5	321.7	301.4	298.9
80°	1068.9	896.6	488.8	488.8	372.3	311.5	291.3	278.6	263.4	238.1	238.1
82.5°	620.5	544.6	341.9	296.3	248.2	215.3	202.6	190.0	190.0	172.2	172.2
85°	298.9	301.4	205.2	182.4	141.8	124.1	119.0	111.4	108.9	98.8	96.2
87.5°	162.1	164.6	103.8	81.1	55.7	48.1	40.5	38.0	35.5	32.9	32.9
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)