

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: P642282

Luminaire Tested: GWS-SA6C-750-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642282
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-750-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28992.3 lumens
Efficiency: N/A
Efficacy: 153.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B4 - U0 - G4

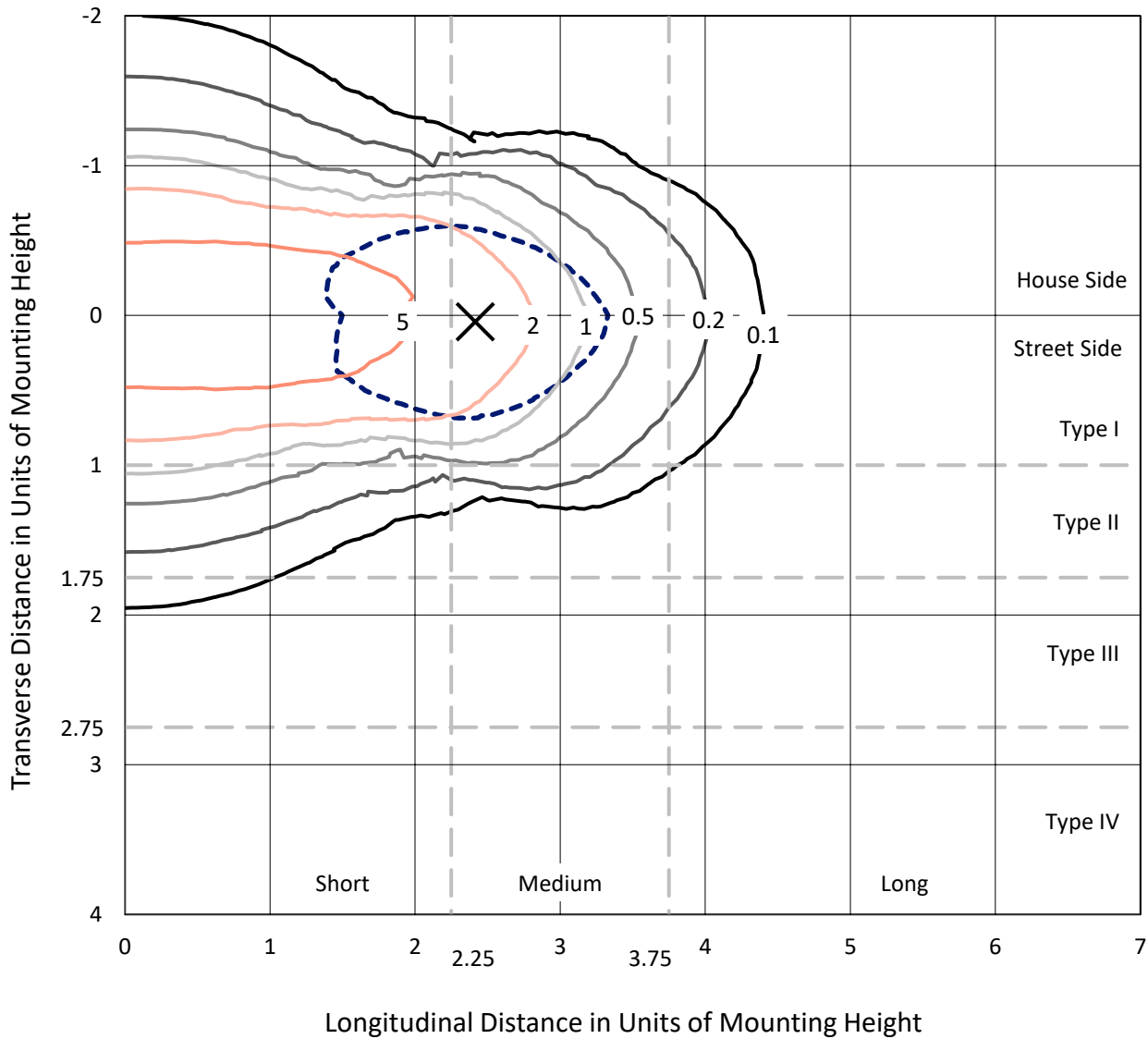
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

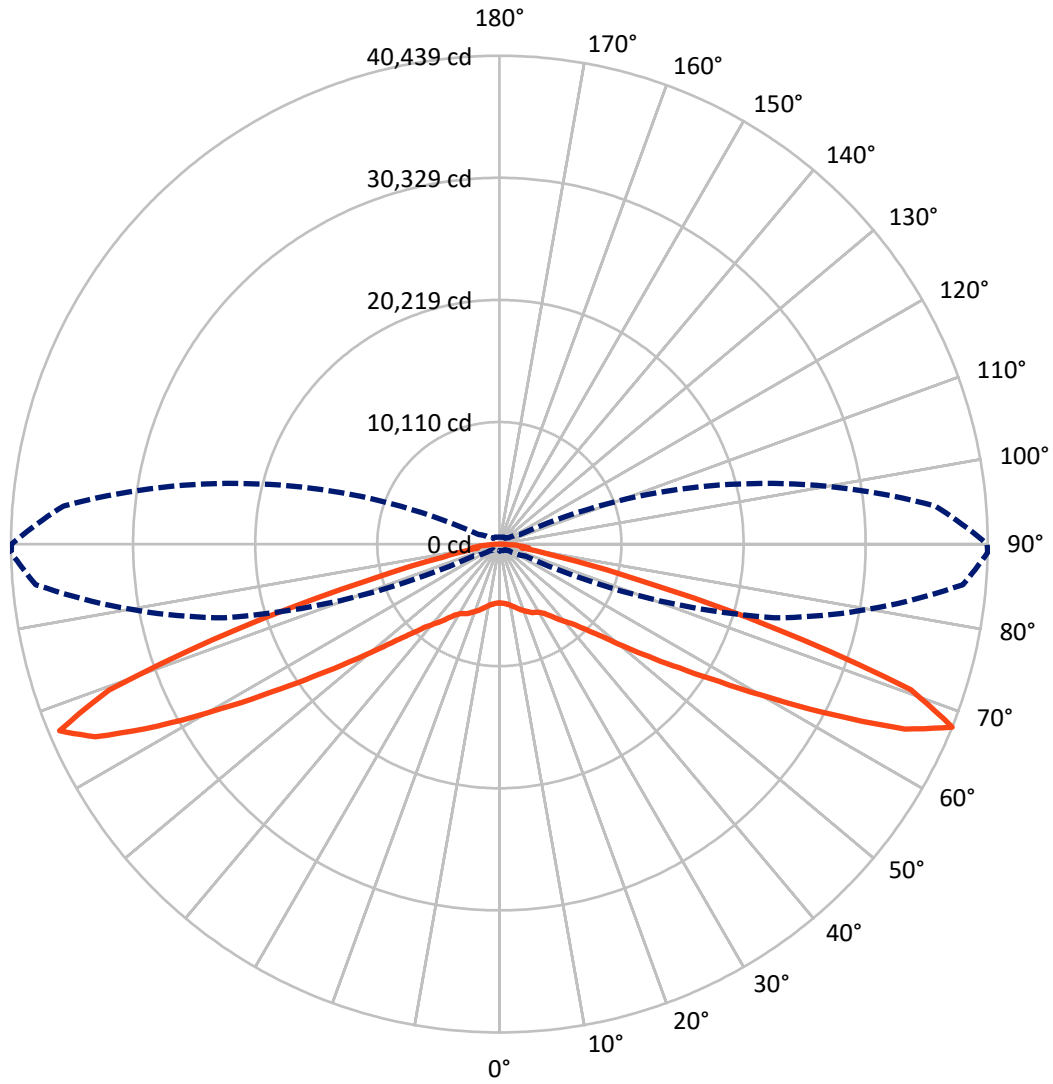
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14369.1	0.0	14369.1
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	14623.2	0.0	14623.2
	% Fixture	50.4	0.0	50.4
Total	Lumens	28992.3	0.0	28992.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	488.1	1.7
10°-20°	1589.4	5.5
20°-30°	2686.7	9.3
30°-40°	3687.2	12.7
40°-50°	4702.0	16.2
50°-60°	5899.4	20.3
60°-70°	7115.1	24.5
70°-80°	2574.0	8.9
80°-90°	250.3	0.9
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°	28992.3	100.0
0°-180°	28992.3	100.0

Coefficient of Utilization



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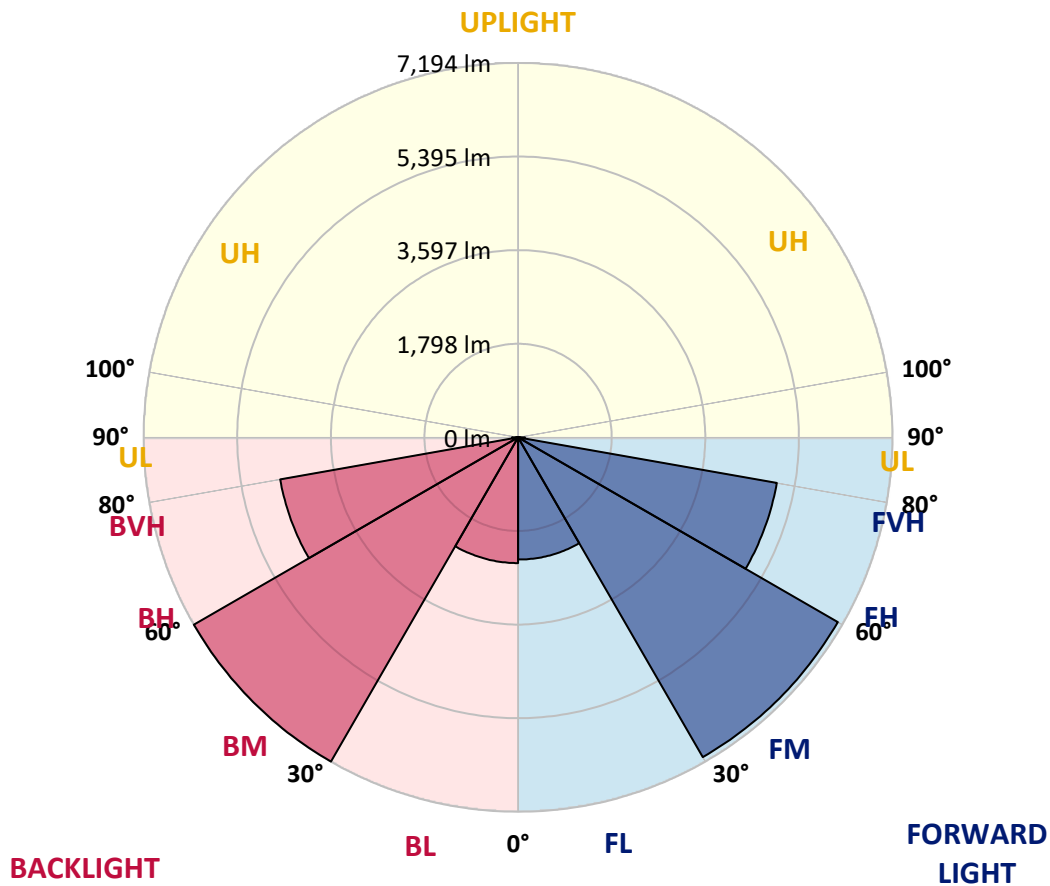
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2348.2	8.1			
FM (30°-60°)	7095.0	24.5			
FH (60°-80°)	5048.0	17.4			G3/7500
FVH (80°-90°)	132.1	0.5			G2/225
BL (0°-30°)	2416.0	8.3	B3/2500		
BM (30°-60°)	7193.6	24.8	B4/8500		
BH (60°-80°)	4641.2	16.0	B4/5000		G4/5000
BVH (80°-90°)	118.2	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	4866.1	4866.1	4866.1	4866.1	4866.1	4866.1	4866.1	4866.1	4866.1	4866.1	4866.1
2.5°	4880.7	4876.5	4866.1	4897.4	4891.1	4893.2	4905.7	4897.4	4882.8	4857.8	4893.2
5°	5018.1	5016.0	4993.1	5011.9	4991.1	4976.5	4974.4	4953.6	4936.9	4909.9	4947.3
7.5°	5151.4	5149.3	5130.6	5163.9	5147.2	5130.6	5111.8	5070.2	5030.6	4991.1	5032.7
10°	5253.4	5251.3	5247.2	5295.1	5299.2	5305.5	5297.1	5226.3	5157.6	5109.7	5151.4
12.5°	5311.7	5318.0	5328.4	5415.8	5459.6	5501.2	5511.6	5453.3	5338.8	5270.1	5320.0
15°	5272.2	5284.6	5336.7	5495.0	5615.7	5709.4	5749.0	5701.1	5553.3	5438.7	5495.0
17.5°	5082.7	5093.1	5195.1	5436.6	5703.2	5919.7	5984.3	5955.1	5790.6	5651.1	5705.3
20°	4820.3	4843.2	4953.6	5290.9	5688.6	6065.5	6238.3	6227.9	6048.8	5834.4	5898.9
22.5°	4582.9	4610.0	4726.6	5099.3	5590.7	6103.0	6494.4	6521.5	6284.1	6017.6	6069.6
25°	4316.4	4341.4	4491.3	4872.4	5422.1	6073.8	6713.0	6835.9	6550.6	6227.9	6275.8
27.5°	4043.7	4062.4	4210.2	4616.3	5201.4	6019.7	6885.9	7181.5	6813.0	6373.6	6407.0
30°	3804.2	3829.2	3964.5	4360.1	4959.8	5911.4	7027.5	7550.1	7114.9	6538.1	6565.2
32.5°	3573.1	3593.9	3741.7	4108.2	4703.7	5744.8	7154.5	7983.2	7562.6	6844.2	6844.2
35°	3281.6	3319.0	3485.6	3866.7	4462.2	5524.1	7246.1	8487.1	8174.8	7296.1	7298.1
37.5°	3013.0	3033.8	3208.7	3593.9	4208.1	5274.2	7254.4	9009.7	8949.3	7870.8	7874.9
40°	2706.9	2733.9	2921.3	3302.4	3916.6	5011.9	7175.3	9497.0	9761.4	8462.1	8439.2
42.5°	2396.6	2436.2	2615.3	2988.0	3602.2	4691.2	6965.0	9961.3	10792.1	9147.1	9090.9
45°	2096.8	2121.8	2300.8	2652.7	3242.0	4308.1	6627.7	10406.9	12016.4	10188.3	10107.0
47.5°	1759.5	1769.9	1955.2	2292.5	2869.3	3881.2	6144.6	10804.6	13361.5	11566.7	11427.2
50°	1459.6	1474.2	1620.0	1909.4	2413.3	3375.3	5542.8	11037.8	15075.2	13446.9	13205.4
52.5°	1180.6	1195.2	1311.8	1542.9	1994.8	2798.5	4797.4	10983.7	16813.8	15781.1	15429.2
55°	953.7	964.1	1043.2	1224.3	1570.0	2225.9	3916.6	10498.5	18744.1	18829.4	18071.5
57.5°	805.8	810.0	864.1	974.5	1226.4	1715.7	3023.4	9353.3	20768.0	22719.0	21473.8
60°	720.4	722.5	747.5	816.2	968.2	1309.7	2215.5	7529.3	22864.7	27585.1	25877.7
62.5°	666.3	666.3	687.1	726.7	803.7	1007.8	1628.3	5407.5	24370.2	32880.2	31183.2
65°	614.3	614.3	628.8	662.1	703.8	822.5	1222.3	3487.7	25109.4	37307.0	36930.1
67.5°	547.6	549.7	560.1	595.5	633.0	687.1	926.6	2359.1	23574.8	38531.3	40438.6
70°	485.2	487.2	501.8	524.7	555.9	593.4	724.6	1626.2	17159.5	32091.0	36157.6
72.5°	416.4	424.8	435.2	460.2	478.9	506.0	591.3	1053.6	9984.2	20643.0	23901.7
75°	341.5	351.9	364.4	389.4	401.9	412.3	487.2	751.7	4803.7	10461.0	11912.3
77.5°	264.4	274.9	289.4	312.3	320.7	333.2	372.7	543.5	2300.8	4637.1	4999.4
80°	177.0	181.2	193.6	220.7	235.3	243.6	274.9	370.6	999.5	1861.5	1844.8
82.5°	108.3	110.4	114.5	131.2	137.4	145.8	179.1	227.0	476.8	2115.5	2425.8
85°	39.6	37.5	35.4	45.8	54.1	62.5	83.3	114.5	208.2	1453.4	1626.2
87.5°	0.0	0.0	0.0	2.1	4.2	4.2	8.3	16.7	50.0	543.5	372.7
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°	4866.1	4866.1	4866.1	4866.1	4866.1	4866.1	4866.1	4866.1	4866.1	4866.1	4866.1
2.5°	4882.8	4859.9	4889.0	4909.9	4955.7	4972.3	4976.5	4961.9	4961.9	4936.9	4941.1
5°	4939.0	4924.4	4972.3	5007.7	5074.3	5099.3	5116.0	5105.6	5111.8	5095.2	5099.3
7.5°	5024.4	5011.9	5095.2	5163.9	5232.6	5261.7	5276.3	5268.0	5270.1	5249.3	5255.5
10°	5143.1	5147.2	5247.2	5336.7	5428.3	5457.5	5463.7	5438.7	5417.9	5380.4	5382.5
12.5°	5305.5	5326.3	5467.9	5567.8	5661.5	5703.2	5657.4	5565.7	5480.4	5415.8	5407.5
15°	5482.5	5519.9	5724.0	5851.0	5953.0	5932.2	5796.9	5590.7	5422.1	5326.3	5307.6
17.5°	5694.8	5751.1	6007.2	6159.2	6246.6	6113.4	5830.2	5522.0	5286.7	5157.6	5132.6
20°	5894.7	5984.3	6307.0	6504.8	6515.2	6215.4	5815.6	5382.5	5086.8	4928.6	4895.3
22.5°	6078.0	6192.5	6621.4	6873.4	6738.0	6261.2	5726.1	5184.7	4845.3	4660.0	4630.8
25°	6277.9	6440.3	6987.9	7223.2	6960.8	6242.5	5538.7	4939.0	4553.8	4364.3	4343.5
27.5°	6415.3	6619.3	7356.4	7581.3	7144.1	6136.3	5297.1	4670.4	4287.3	4108.2	4079.0
30°	6573.5	6833.8	7762.5	7970.7	7256.5	5980.1	5038.9	4420.5	4039.5	3845.8	3825.0
32.5°	6860.9	7187.8	8266.4	8383.0	7291.9	5786.5	4791.2	4179.0	3781.3	3587.6	3558.5
35°	7323.1	7706.3	8974.3	8843.1	7264.8	5574.1	4555.9	3895.8	3516.9	3335.7	3306.5
37.5°	7906.2	8383.0	9763.5	9257.5	7189.9	5340.9	4276.9	3658.4	3279.5	3096.2	3079.6
40°	8449.6	9036.8	10648.4	9615.6	7037.9	5053.5	4008.3	3410.7	3023.4	2829.7	2792.2
42.5°	9130.5	9911.3	11672.9	9925.9	6788.0	4710.0	3706.3	3104.6	2702.7	2527.8	2482.0
45°	10165.3	11135.7	12863.9	10223.6	6415.3	4287.3	3327.4	2731.9	2350.8	2171.7	2136.3
47.5°	11456.3	12666.1	14154.9	10400.6	5848.9	3841.7	2898.4	2338.3	1957.3	1755.3	1738.6
50°	13269.9	14892.0	15539.5	10369.4	5215.9	3312.8	2415.4	1869.8	1551.2	1405.5	1382.6
52.5°	15479.1	17686.3	17036.6	9994.6	4543.4	2711.0	1882.3	1468.0	1230.6	1126.5	1107.7
55°	18250.6	21032.4	18612.9	9190.9	3693.8	2076.0	1478.4	1157.7	995.3	932.8	924.5
57.5°	21682.0	25365.5	20130.8	7837.4	2777.7	1584.6	1139.0	955.7	878.7	841.2	839.1
60°	26210.9	29965.1	21448.8	6090.5	1988.5	1211.8	941.2	853.7	793.3	768.3	766.3
62.5°	31595.4	34142.0	22269.2	4147.8	1495.0	966.1	828.7	774.6	739.2	724.6	722.5
65°	37130.0	36782.2	21877.8	2717.3	1134.8	820.4	743.3	714.2	683.0	668.4	668.4
67.5°	40399.0	36224.2	18873.1	1886.5	899.5	720.4	670.5	643.4	591.3	578.9	578.9
70°	35782.8	29352.9	12370.4	1380.5	728.8	630.9	583.0	545.5	524.7	512.2	510.1
72.5°	23666.4	19100.1	6577.7	957.8	608.0	537.2	493.5	478.9	453.9	441.4	439.3
75°	11779.1	10032.1	3371.1	691.3	506.0	431.0	412.3	406.0	385.2	368.6	364.4
77.5°	4909.9	4466.3	1572.1	501.8	385.2	347.7	331.1	331.1	308.2	289.4	281.1
80°	1851.1	1649.1	743.3	343.6	285.3	258.2	247.8	239.5	220.7	197.8	185.3
82.5°	2475.7	1617.9	364.4	214.5	187.4	166.6	152.0	145.8	135.3	124.9	116.6
85°	1603.3	1149.4	164.5	110.4	93.7	70.8	62.5	58.3	52.1	45.8	41.6
87.5°	326.9	385.2	50.0	20.8	12.5	6.2	6.2	2.1	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)