

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: P639356

Luminaire Tested: GWS-SA5B-760-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639356
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-SA5B-760-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17552.3 lumens
Efficiency: N/A
Efficacy: 151.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

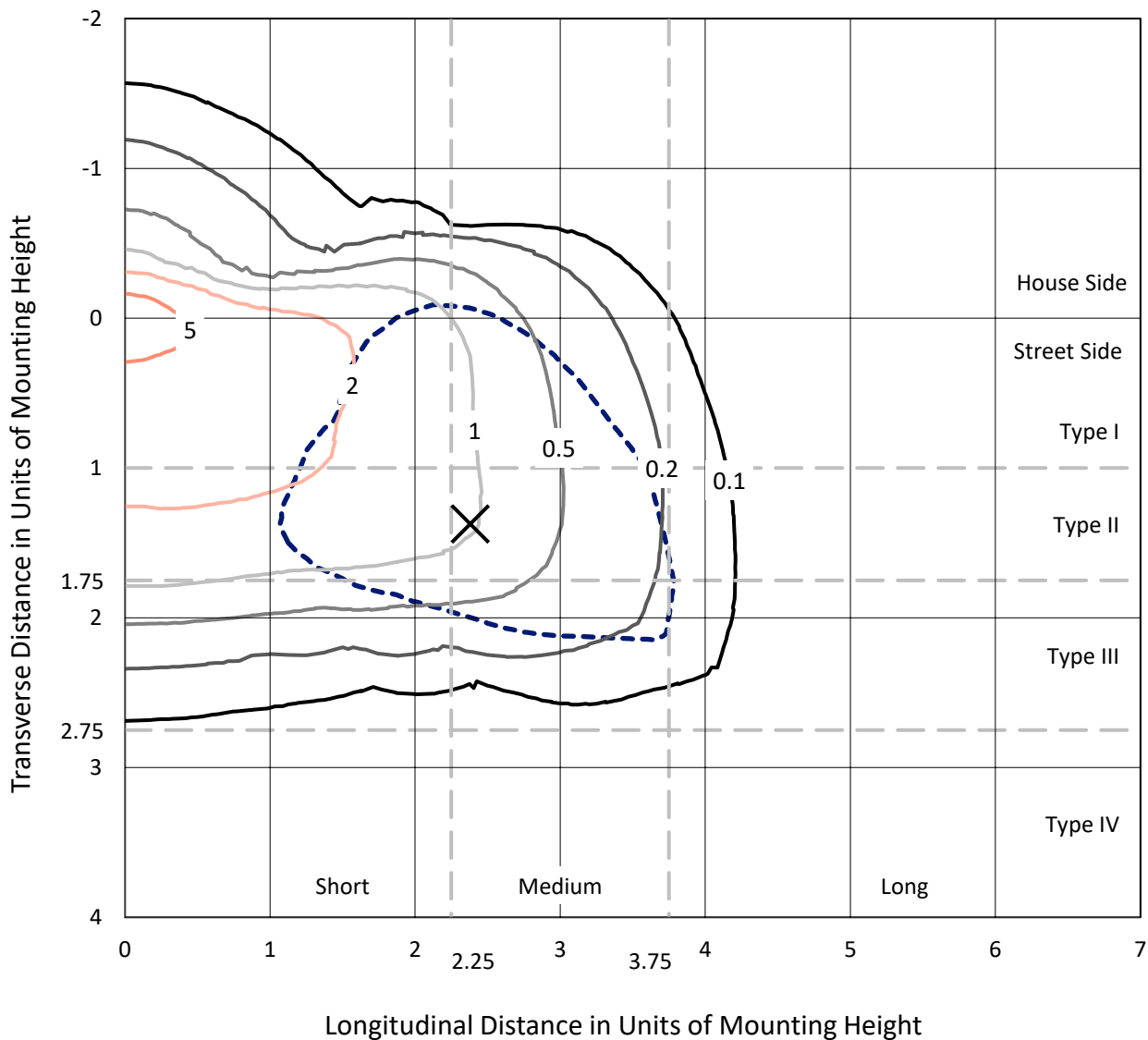
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

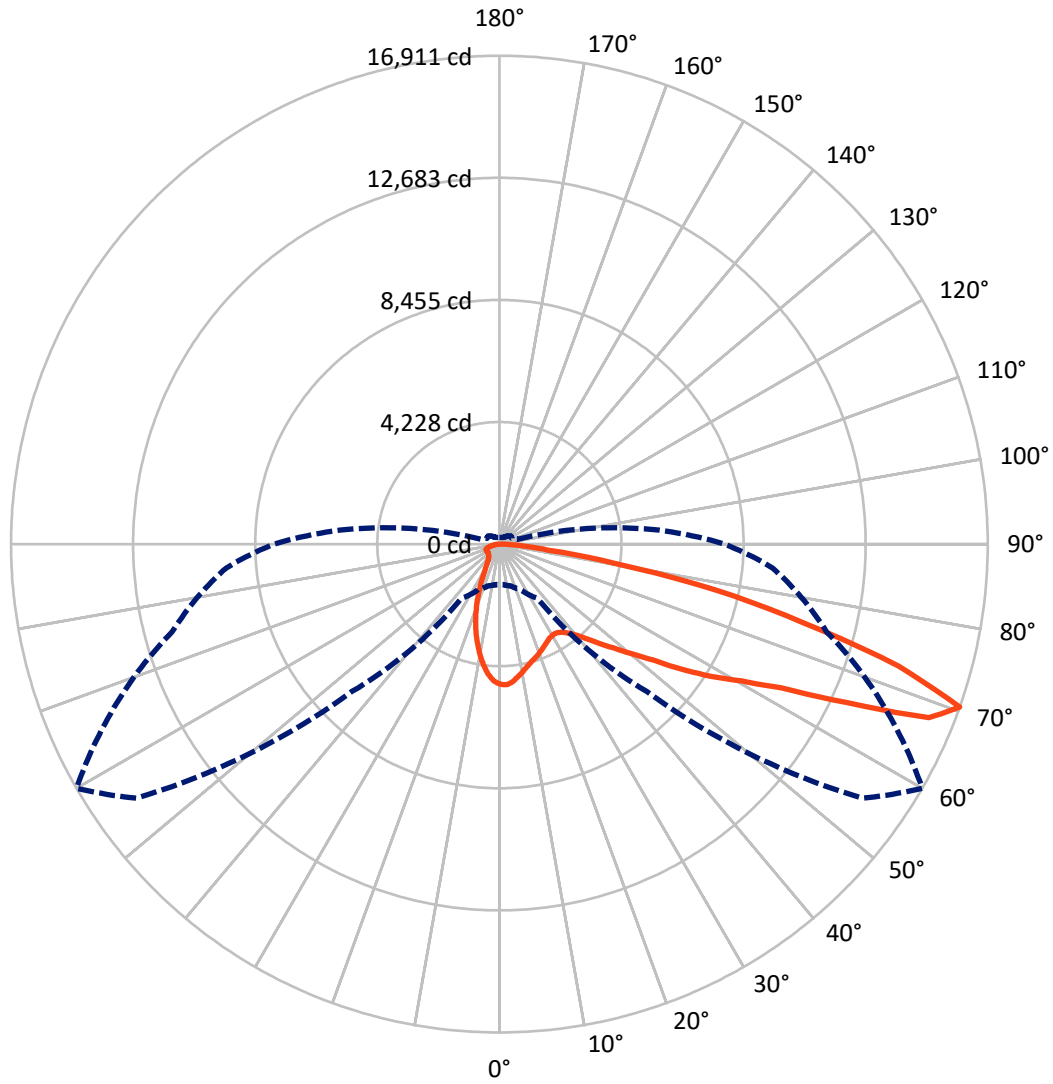
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 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	3001.9	0.0	3001.9
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	14550.4	0.0	14550.4
	% Fixture	82.9	0.0	82.9
Total	Lumens	17552.3	0.0	17552.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	418.6	2.4
10°-20°	937.9	5.3
20°-30°	1201.2	6.8
30°-40°	1578.6	9.0
40°-50°	2290.3	13.0
50°-60°	3573.4	20.4
60°-70°	4678.3	26.7
70°-80°	2586.9	14.7
80°-90°	287.1	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°	17552.3	100.0
0°-180°	17552.3	100.0

Coefficient of Utilization



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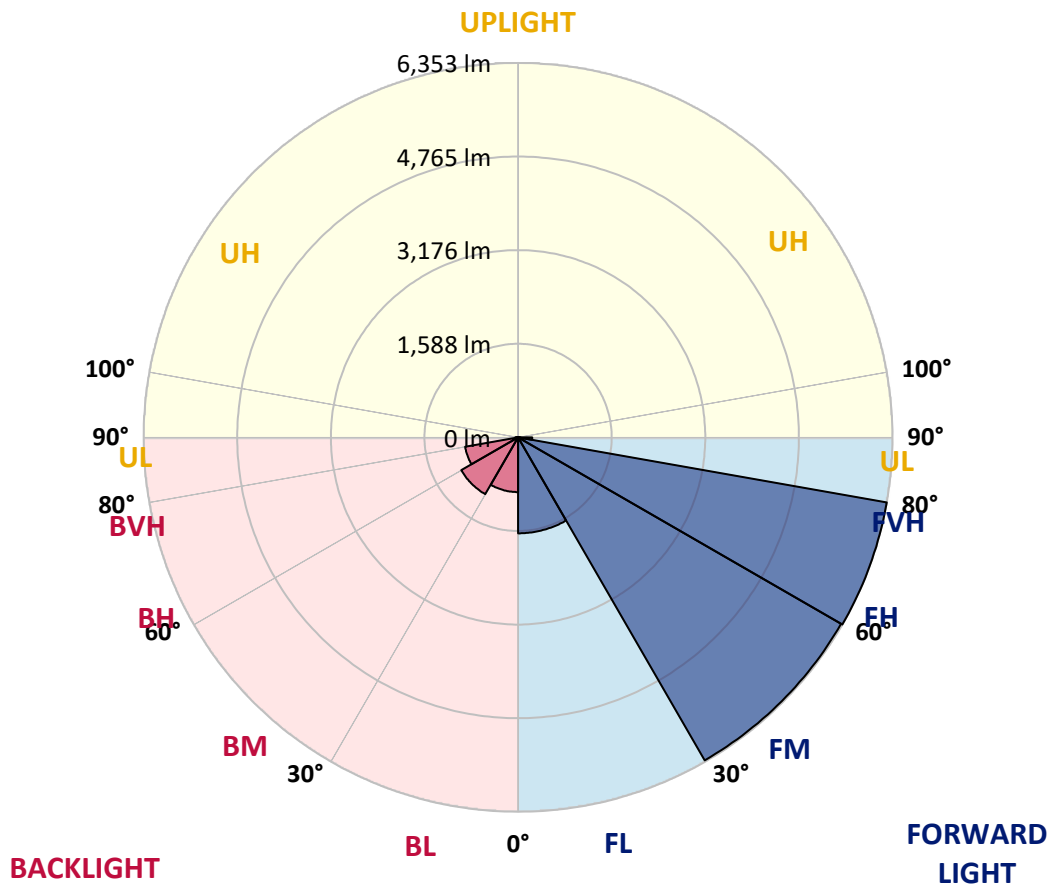
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1629.0	9.3			
FM (30°-60°)	6329.3	36.1			
FH (60°-80°)	6353.0	36.2			G3/7500
FVH (80°-90°)	239.2	1.4			G3/500
BL (0°-30°)	928.7	5.3	B2/1000		
BM (30°-60°)	1113.0	6.3	B2/2500		
BH (60°-80°)	912.3	5.2	B2/1000		G2/1000
BVH (80°-90°)	47.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	4856.9	4856.9	4856.9	4856.9	4856.9	4856.9	4856.9	4856.9	4856.9	4856.9	4856.9
2.5°	4788.9	4794.0	4808.1	4828.7	4849.2	4859.5	4885.2	4877.5	4872.4	4862.1	4849.2
5°	4577.0	4587.3	4600.1	4639.9	4684.9	4720.8	4778.6	4785.0	4787.6	4792.7	4772.2
7.5°	4307.3	4309.9	4340.7	4393.3	4452.4	4514.1	4610.4	4637.3	4660.5	4686.1	4669.5
10°	4009.4	4015.8	4038.9	4114.7	4216.1	4307.3	4437.0	4482.0	4530.8	4587.3	4564.1
12.5°	3765.4	3766.6	3803.9	3884.8	3995.2	4118.5	4280.3	4334.3	4398.5	4487.1	4466.5
15°	3571.4	3571.4	3606.1	3675.5	3802.6	3947.7	4140.3	4209.7	4297.0	4416.5	4380.5
17.5°	3417.3	3418.6	3440.4	3513.6	3626.7	3787.2	4015.8	4109.5	4205.8	4363.8	4309.9
20°	3336.4	3330.0	3333.9	3378.8	3475.1	3630.5	3891.2	4000.4	4130.1	4327.8	4245.7
22.5°	3332.6	3321.0	3304.3	3308.2	3364.7	3493.1	3757.6	3889.9	4053.0	4298.3	4180.2
25°	3398.1	3385.2	3355.7	3322.3	3317.2	3394.2	3631.8	3782.1	3973.4	4285.5	4117.2
27.5°	3508.5	3499.5	3461.0	3410.9	3358.3	3355.7	3536.8	3693.4	3915.6	4298.3	4072.3
30°	3654.9	3639.5	3615.1	3550.9	3471.3	3389.1	3499.5	3645.9	3877.1	4339.4	4053.0
32.5°	3820.6	3811.6	3788.5	3724.3	3639.5	3508.5	3529.1	3656.2	3877.1	4411.3	4056.9
35°	3996.5	3995.2	3995.2	3952.9	3859.1	3696.0	3645.9	3743.5	3936.2	4526.9	4098.0
37.5°	4167.3	4166.0	4207.1	4222.5	4115.9	3940.0	3845.0	3918.2	4065.9	4697.7	4199.4
40°	4306.0	4311.2	4401.0	4478.1	4419.0	4255.9	4122.4	4159.6	4276.5	4940.4	4376.6
42.5°	4446.0	4460.1	4595.0	4731.1	4754.2	4612.9	4478.1	4499.9	4578.3	5261.5	4641.2
45°	4598.8	4605.2	4794.0	4984.1	5095.8	5012.3	4901.9	4931.4	4949.4	5658.3	5035.5
47.5°	4746.5	4763.2	5007.2	5267.9	5479.8	5472.1	5410.5	5401.5	5405.3	6141.2	5501.6
50°	4948.1	4972.5	5258.9	5573.5	5884.3	6026.9	6044.9	5976.8	5948.5	6678.0	6082.1
52.5°	5330.8	5330.8	5587.7	5897.2	6314.5	6667.7	6788.4	6676.7	6586.8	7245.6	6698.5
55°	5809.8	5830.4	6034.6	6285.0	6814.1	7341.9	7750.3	7627.0	7372.8	7863.3	7344.5
57.5°	6023.0	6048.7	6372.3	6761.5	7467.8	8108.6	8675.0	8631.3	8260.2	8505.4	8014.9
60°	5637.8	5691.7	6137.3	6789.7	8059.8	9345.3	9744.7	9617.6	9087.2	9179.7	8741.7
62.5°	4702.8	4761.9	5256.3	6166.9	7977.6	10682.2	11430.9	10962.2	10119.7	10031.1	9710.0
65°	2806.0	2803.5	3398.1	4605.2	6964.4	11053.3	14099.5	13225.0	11714.7	11199.7	10706.6
67.5°	1783.8	1779.9	1904.5	2440.0	4634.8	10144.1	15815.3	16042.6	13881.2	12058.9	10788.8
70°	1407.5	1406.2	1496.1	1740.1	2292.3	7218.6	15337.5	16910.7	15189.8	11731.4	9499.4
72.5°	1026.1	1028.7	1167.4	1457.6	1768.4	3624.1	12419.8	14469.4	13971.1	10356.0	7711.8
75°	737.1	741.0	824.5	1116.0	1631.0	1981.6	8258.9	10880.0	10629.6	8301.2	5305.1
77.5°	468.7	473.9	547.1	782.1	1317.6	1600.1	5007.2	7681.0	7072.2	4677.2	1886.5
80°	286.4	303.1	364.7	583.0	1053.1	1200.8	2503.0	4046.6	3541.9	1282.9	634.4
82.5°	147.7	160.5	219.6	360.9	725.6	1054.4	1416.5	1700.3	1096.7	536.8	337.8
85°	46.2	53.9	77.1	146.4	345.5	653.7	937.5	845.0	503.4	253.0	156.7
87.5°	11.6	11.6	12.8	12.8	14.1	29.5	181.1	191.3	133.6	79.6	64.2
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°	4856.9	4856.9	4856.9	4856.9	4856.9	4856.9	4856.9	4856.9	4856.9	4856.9	4856.9
2.5°	4823.6	4792.7	4779.9	4778.6	4746.5	4700.3	4669.5	4647.6	4634.8	4632.2	4632.2
5°	4737.5	4697.7	4645.1	4605.2	4519.2	4431.9	4358.7	4317.6	4270.1	4263.6	4262.4
7.5°	4623.2	4565.4	4465.3	4353.5	4203.3	4058.2	3934.9	3851.4	3767.9	3752.5	3747.4
10°	4499.9	4421.6	4250.8	4054.3	3829.6	3612.5	3423.8	3276.1	3178.5	3109.1	3096.3
12.5°	4377.9	4273.9	4023.5	3730.7	3422.5	3125.8	2842.0	2600.6	2425.9	2324.5	2306.5
15°	4263.6	4118.5	3775.6	3401.9	3001.2	2595.4	2193.5	1880.1	1634.8	1547.5	1526.9
17.5°	4159.6	3978.5	3535.5	3061.6	2562.0	2031.6	1574.5	1295.8	1152.0	1108.3	1098.0
20°	4055.6	3834.7	3291.5	2703.3	2095.9	1501.3	1150.7	1019.7	965.7	949.0	943.9
22.5°	3943.9	3676.7	3025.6	2350.1	1624.5	1123.7	941.3	883.5	866.9	868.1	866.9
25°	3832.1	3516.2	2747.0	1966.2	1209.7	911.8	821.9	800.1	803.9	815.5	818.1
27.5°	3739.7	3373.7	2473.4	1544.9	945.2	784.7	742.3	741.0	755.1	770.5	773.1
30°	3672.9	3246.5	2203.7	1187.9	778.2	697.3	680.6	688.3	705.0	716.6	720.5
32.5°	3625.4	3137.4	1916.1	933.6	681.9	635.7	628.0	635.7	646.0	657.5	660.1
35°	3608.7	3057.7	1633.5	761.5	616.4	590.7	585.6	589.5	594.6	601.0	603.6
37.5°	3645.9	3017.9	1338.2	662.7	576.6	561.2	553.5	550.9	552.2	554.8	556.1
40°	3756.4	3035.9	1096.7	604.9	550.9	536.8	524.0	518.8	517.5	520.1	518.8
42.5°	3946.4	3111.7	922.1	571.5	530.4	509.8	495.7	490.6	490.6	497.0	497.0
45°	4225.1	3260.7	796.2	547.1	512.4	486.7	471.3	468.7	473.9	484.2	485.4
47.5°	4633.5	3479.0	720.5	529.1	495.7	466.2	450.8	449.5	459.8	476.4	477.7
50°	5117.6	3793.6	679.4	516.3	484.2	449.5	434.1	435.4	446.9	464.9	468.7
52.5°	5700.7	4222.5	681.9	511.1	477.7	439.2	423.8	421.2	432.8	450.8	454.6
55°	6303.0	4743.9	732.0	512.4	468.7	434.1	413.5	404.5	414.8	427.6	428.9
57.5°	6965.7	5332.1	856.6	509.8	457.2	428.9	404.5	384.0	390.4	398.1	402.0
60°	7713.1	6024.3	1125.0	515.0	452.0	417.4	386.6	359.6	358.3	363.4	364.7
62.5°	8712.2	6965.7	1426.8	524.0	463.6	403.2	359.6	331.3	326.2	328.8	330.0
65°	9476.3	7415.1	1331.7	516.3	488.0	393.0	333.9	304.4	294.1	291.5	291.5
67.5°	9165.5	6820.5	927.2	495.7	499.6	394.3	313.4	276.1	263.3	256.8	255.6
70°	7799.1	5540.2	644.7	475.2	486.7	391.7	291.5	253.0	236.3	227.3	226.0
72.5°	6161.7	4230.2	521.4	434.1	441.8	353.2	259.4	227.3	213.2	201.6	201.6
75°	3965.7	2581.3	435.4	386.6	360.9	274.8	224.7	202.9	188.8	177.2	177.2
77.5°	1334.3	958.0	337.8	327.5	269.7	206.8	188.8	174.7	163.1	152.8	151.5
80°	541.9	454.6	247.9	247.9	188.8	158.0	147.7	141.3	133.6	120.7	120.7
82.5°	314.6	276.1	173.4	150.3	125.9	109.2	102.7	96.3	96.3	87.3	87.3
85°	151.5	152.8	104.0	92.5	71.9	62.9	60.4	56.5	55.2	50.1	48.8
87.5°	82.2	83.5	52.7	41.1	28.3	24.4	20.5	19.3	18.0	16.7	16.7
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)