

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: P634895

Luminaire Tested: GWS-SA3C-760-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634895
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-760-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11986.7 lumens
Efficiency: N/A
Efficacy: 128.9 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

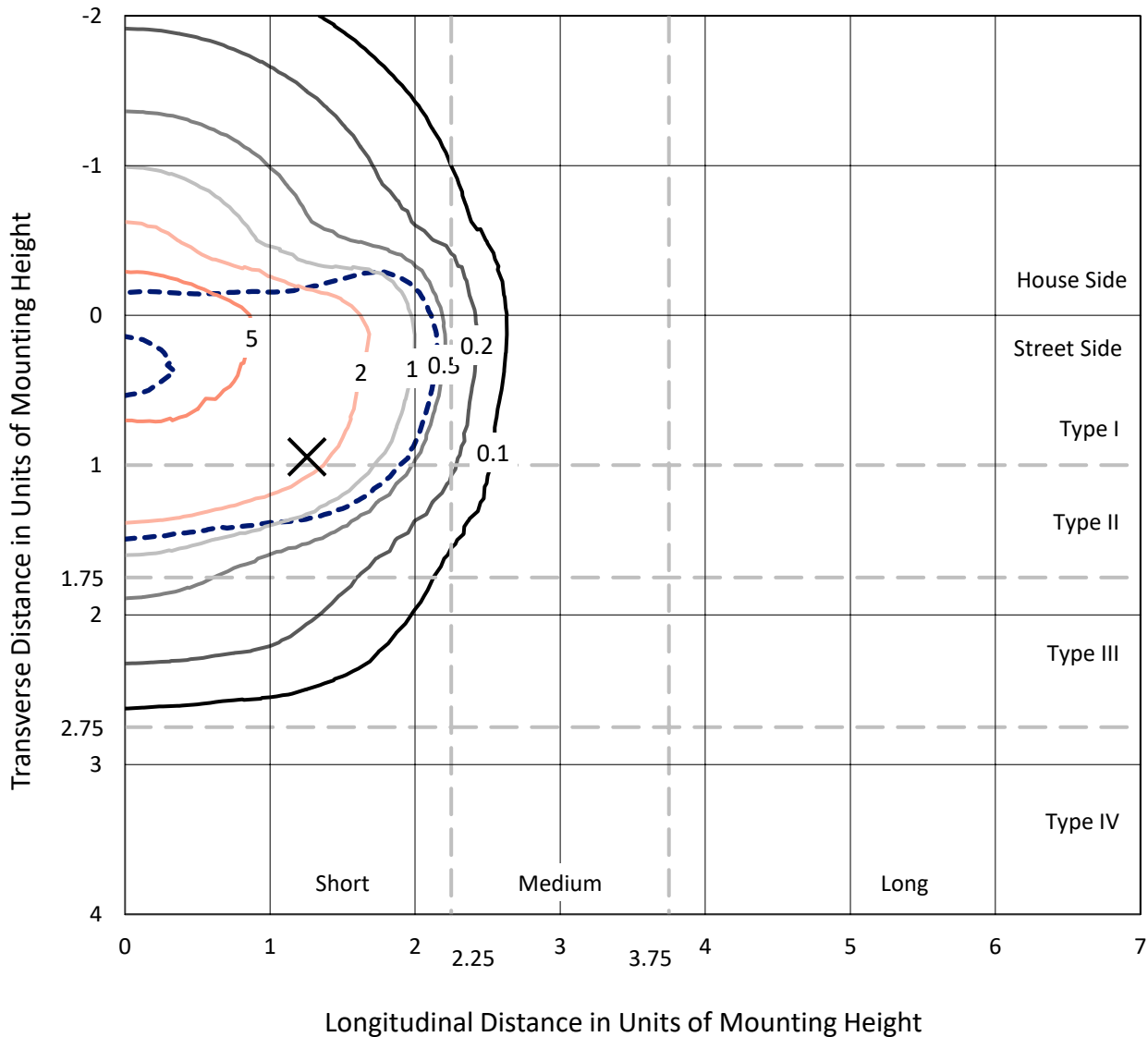
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

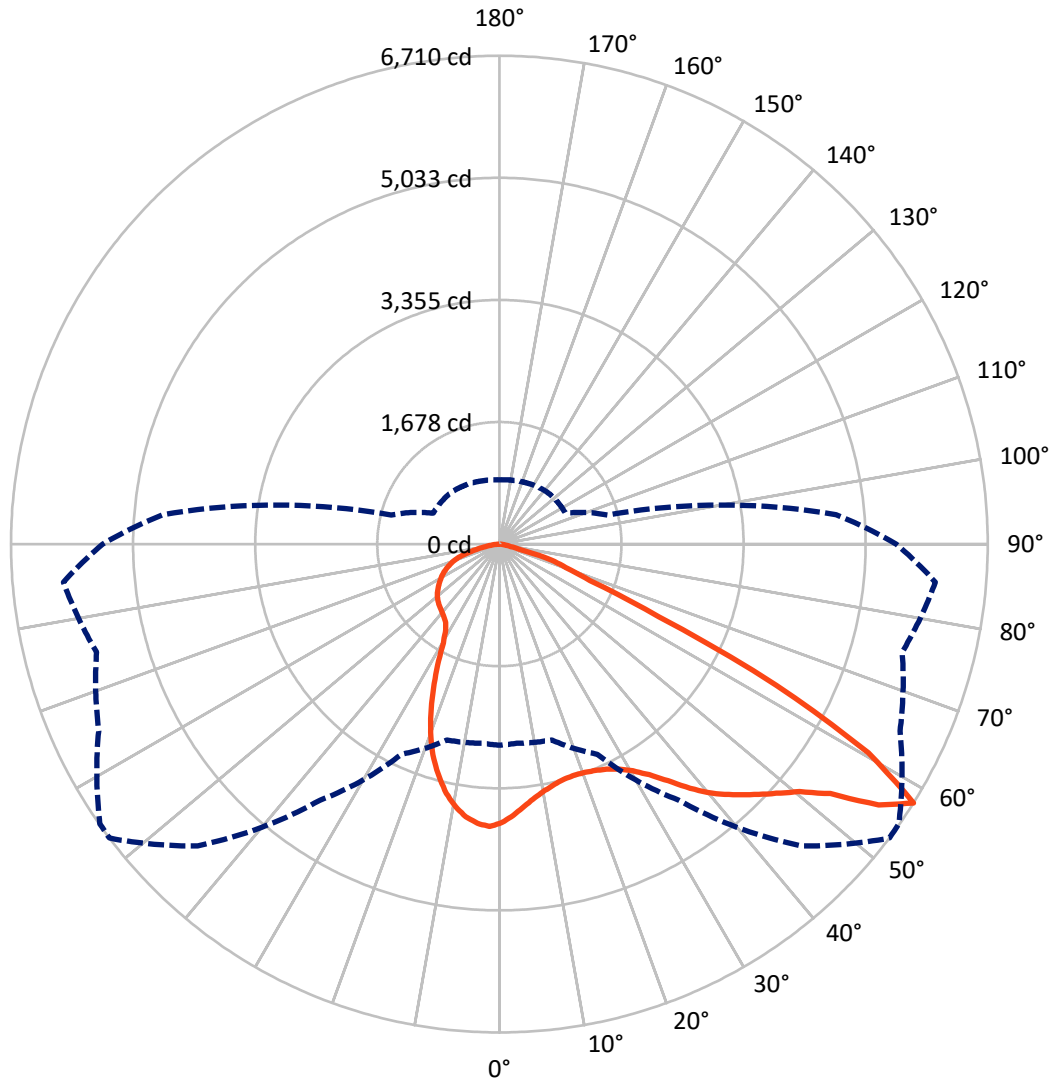
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3747.8	0.0	3747.8
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	8238.9	0.0	8238.9
	% Fixture	68.7	0.0	68.7
Total	Lumens	11986.7	0.0	11986.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.1	2.9
10°-20°	908.1	7.6
20°-30°	1338.0	11.2
30°-40°	1872.8	15.6
40°-50°	2461.9	20.5
50°-60°	2886.6	24.1
60°-70°	1700.5	14.2
70°-80°	423.0	3.5
80°-90°	49.6	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°	11986.7	100.0
0°-180°	11986.7	100.0

Coefficient of Utilization



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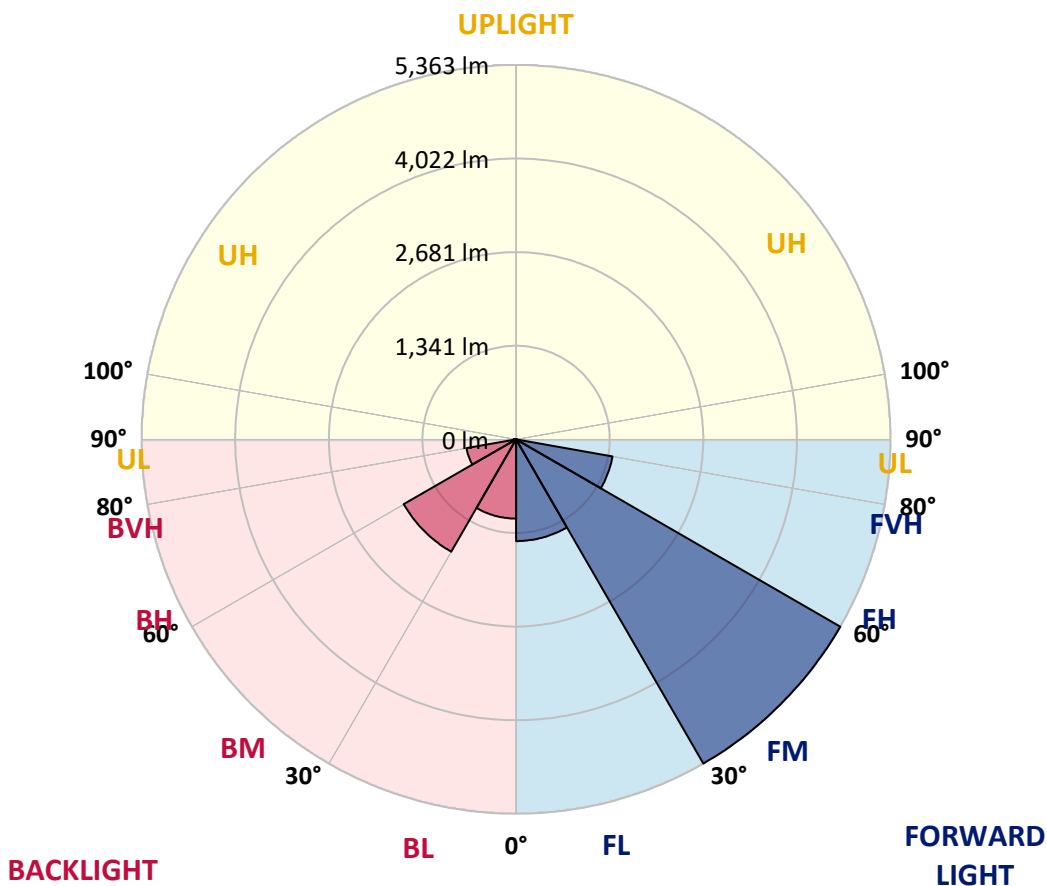
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1457.3	12.2			
FM (30°-60°)	5363.0	44.7			
FH (60°-80°)	1402.0	11.7			G1/1800
FVH (80°-90°)	16.6	0.1			G1/100
BL (0°-30°)	1134.8	9.5	B3/2500		
BM (30°-60°)	1858.3	15.5	B2/2500		
BH (60°-80°)	721.6	6.0	B2/1000		G2/1000
BVH (80°-90°)	33.0	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°	53°	55°	65°	75°	85°
0°	3827.7	3827.7	3827.7	3827.7	3827.7	3827.7	3827.7	3827.7	3827.7	3827.7	3827.7
2.5°	3607.7	3617.8	3619.8	3651.1	3653.1	3698.5	3728.8	3722.8	3754.0	3792.4	3822.6
5°	3435.2	3436.2	3446.3	3483.7	3503.8	3563.4	3613.8	3613.8	3674.3	3753.0	3820.6
7.5°	3293.0	3292.0	3301.0	3342.4	3375.7	3447.3	3515.9	3524.0	3608.8	3723.8	3833.7
10°	3160.8	3167.9	3178.0	3228.4	3270.8	3359.6	3441.3	3454.4	3561.3	3703.6	3851.9
12.5°	3076.1	3077.1	3092.2	3148.7	3203.2	3298.0	3383.8	3399.9	3523.0	3684.4	3865.0
15°	3021.6	3022.6	3038.7	3101.3	3164.8	3260.7	3348.5	3366.6	3500.8	3681.4	3890.2
17.5°	2997.4	2996.4	3011.5	3074.0	3143.7	3243.5	3337.4	3359.6	3510.9	3704.6	3934.6
20°	2997.4	2998.4	3006.5	3062.9	3133.6	3239.5	3348.5	3375.7	3550.2	3757.1	4003.2
22.5°	3039.7	3043.8	3047.8	3086.2	3141.6	3245.6	3377.7	3414.0	3635.0	3844.8	4093.0
25°	3122.5	3123.5	3127.5	3158.8	3184.0	3262.7	3426.1	3480.6	3767.1	3973.0	4206.0
27.5°	3233.4	3247.6	3251.6	3271.8	3271.8	3305.1	3501.8	3580.5	3945.7	4157.6	4350.3
30°	3388.8	3393.9	3400.9	3423.1	3398.9	3384.8	3612.8	3713.7	4152.5	4380.5	4523.8
32.5°	3525.0	3536.1	3574.4	3610.8	3567.4	3523.0	3776.2	3895.3	4351.3	4612.6	4708.4
35°	3641.0	3668.3	3741.9	3822.6	3792.4	3748.0	3993.1	4117.2	4514.7	4779.0	4871.9
37.5°	3781.3	3802.5	3903.3	4034.5	4061.7	4040.6	4257.5	4346.2	4623.7	4821.4	4960.6
40°	3923.5	3955.8	4085.9	4267.5	4371.5	4386.6	4501.6	4561.1	4661.0	4738.7	4943.5
42.5°	4068.8	4124.3	4302.9	4514.7	4699.3	4733.6	4707.4	4732.6	4648.9	4624.7	4863.8
45°	4246.4	4311.9	4513.7	4784.1	5027.2	5080.7	4909.2	4886.0	4646.9	4581.3	4814.4
47.5°	4456.2	4521.8	4714.5	5029.2	5340.0	5379.3	5116.0	5073.6	4717.5	4647.9	4880.9
50°	4641.8	4687.2	4859.8	5211.9	5631.5	5654.8	5344.0	5292.6	4893.1	4832.5	5088.8
52.5°	4453.2	4448.1	4629.7	5063.6	5782.9	6062.3	5695.1	5645.7	5232.0	5139.2	5410.6
55°	3778.2	3720.7	3883.2	4309.9	5360.2	6424.5	6324.6	6225.8	5684.0	5447.9	5712.3
57.5°	2762.3	2746.2	2785.5	3186.0	4293.8	5863.6	6710.0	6701.0	6074.4	5730.4	6012.9
60°	2160.0	2135.8	2030.9	2042.0	2926.8	4580.3	5823.2	6090.6	6316.6	5899.9	6222.7
62.5°	1917.9	1899.7	1845.2	1694.9	1743.3	3071.0	4268.6	4513.7	5519.6	5210.8	5345.0
65°	1588.0	1582.9	1628.3	1622.3	1460.9	1695.9	2409.2	2656.4	3470.5	3513.9	3470.5
67.5°	1154.2	1145.1	1260.1	1487.1	1406.4	1280.3	1342.8	1428.6	1779.7	1598.1	1438.7
70°	750.6	737.5	804.1	1074.5	1259.1	1115.8	967.5	953.4	978.6	608.4	657.8
72.5°	503.4	488.3	487.3	591.2	760.7	751.6	749.6	742.5	662.8	480.2	532.7
75°	280.5	268.4	265.3	255.2	272.4	277.4	295.6	305.7	330.9	364.2	403.6
77.5°	47.4	46.4	58.5	74.7	102.9	132.2	163.4	172.5	212.9	252.2	277.4
80°	26.2	27.2	35.3	43.4	57.5	78.7	100.9	106.9	131.2	152.3	172.5
82.5°	14.1	14.1	18.2	23.2	31.3	41.4	54.5	59.5	75.7	88.8	102.9
85°	5.0	5.0	7.1	9.1	13.1	17.2	21.2	24.2	33.3	45.4	51.5
87.5°	0.0	0.0	0.0	0.0	1.0	2.0	4.0	4.0	5.0	9.1	13.1
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°	3827.7	3827.7	3827.7	3827.7	3827.7	3827.7	3827.7	3827.7	3827.7	3827.7	3827.7
2.5°	3847.9	3820.6	3857.9	3875.1	3881.1	3885.2	3859.0	3840.8	3834.7	3815.6	3804.5
5°	3862.0	3843.8	3879.1	3879.1	3853.9	3827.7	3774.2	3736.9	3710.6	3679.4	3674.3
7.5°	3886.2	3873.1	3892.2	3852.9	3789.3	3718.7	3625.9	3553.3	3494.7	3456.4	3457.4
10°	3918.5	3902.3	3887.2	3799.4	3683.4	3553.3	3411.0	3305.1	3208.2	3163.8	3139.6
12.5°	3939.7	3916.5	3852.9	3707.6	3537.1	3362.6	3161.8	3004.4	2864.2	2800.6	2795.6
15°	3965.9	3923.5	3796.4	3588.6	3351.5	3113.4	2855.1	2636.2	2446.5	2347.7	2342.6
17.5°	4000.2	3930.6	3728.8	3452.4	3155.8	2804.7	2479.8	2204.4	2002.6	1925.9	1939.1
20°	4048.6	3938.7	3652.1	3301.0	2912.6	2453.6	2049.0	1795.8	1718.1	1713.1	1703.0
22.5°	4103.1	3943.7	3567.4	3131.6	2618.0	2079.3	1692.9	1584.9	1583.9	1609.2	1615.2
25°	4164.6	3947.7	3471.5	2933.8	2299.2	1706.0	1497.2	1464.9	1490.1	1537.5	1543.6
27.5°	4243.3	3955.8	3355.5	2716.9	1960.2	1474.0	1389.2	1381.2	1411.4	1455.8	1453.8
30°	4359.4	3985.1	3232.4	2467.7	1612.2	1364.0	1323.6	1324.7	1336.8	1357.9	1361.0
32.5°	4477.4	4030.5	3112.4	2187.2	1412.4	1301.5	1283.3	1281.3	1281.3	1290.4	1292.4
35°	4589.4	4081.9	2982.2	1894.7	1315.6	1265.1	1253.0	1247.0	1243.9	1241.9	1238.9
37.5°	4651.9	4107.1	2855.1	1606.1	1264.1	1240.9	1228.8	1220.7	1209.6	1201.6	1199.6
40°	4624.7	4077.9	2707.8	1390.2	1232.8	1217.7	1203.6	1192.5	1177.4	1170.3	1166.3
42.5°	4533.9	3987.1	2547.4	1288.3	1207.6	1192.5	1175.3	1157.2	1147.1	1141.0	1140.0
45°	4438.0	3877.1	2353.7	1228.8	1183.4	1165.3	1145.1	1124.9	1113.8	1110.8	1109.8
47.5°	4435.0	3822.6	2147.9	1181.4	1154.2	1136.0	1110.8	1090.6	1078.5	1074.5	1070.4
50°	4568.2	3878.1	1915.9	1140.0	1123.9	1104.7	1076.5	1054.3	1039.1	1034.1	1033.1
52.5°	4844.6	4087.0	1708.0	1098.7	1083.5	1061.3	1038.1	1015.9	997.8	988.7	987.7
55°	5143.3	4352.3	1578.9	1056.3	1036.1	1016.9	995.8	971.5	951.4	937.2	935.2
57.5°	5452.0	4641.8	1539.5	1002.8	987.7	974.6	949.4	923.1	899.9	886.8	883.8
60°	5706.2	4891.0	1613.2	946.3	938.3	921.1	897.9	872.7	856.5	846.4	844.4
62.5°	4777.0	3982.0	1302.5	884.8	884.8	866.6	840.4	822.2	811.1	804.1	802.1
65°	3031.7	2465.7	888.8	823.2	822.2	798.0	775.8	763.7	758.7	747.6	745.6
67.5°	1320.6	1126.9	759.7	760.7	756.7	730.4	708.2	699.2	689.1	677.0	675.9
70°	685.0	698.1	680.0	691.1	684.0	652.7	631.6	617.4	596.2	584.1	585.1
72.5°	552.9	567.0	587.2	604.3	589.2	564.0	530.7	513.5	486.3	473.2	474.2
75°	421.7	436.8	456.0	474.2	462.1	430.8	409.6	392.5	361.2	346.0	349.1
77.5°	290.6	298.6	321.8	320.8	316.8	307.7	276.4	256.3	224.0	205.8	207.8
80°	180.6	185.6	196.7	201.8	199.8	187.7	162.4	147.3	128.1	117.0	118.0
82.5°	109.0	112.0	122.1	123.1	122.1	113.0	93.8	82.7	70.6	64.6	64.6
85°	55.5	57.5	63.6	63.6	57.5	48.4	43.4	38.3	31.3	28.2	28.2
87.5°	15.1	15.1	19.2	16.1	13.1	12.1	6.1	5.0	2.0	1.0	1.0
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)