

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: P634833

Luminaire Tested: GWS-SA3C-750-U-AFL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634833
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-47)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-750-U-AFL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12945 lumens
Efficiency: N/A
Efficacy: 139.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

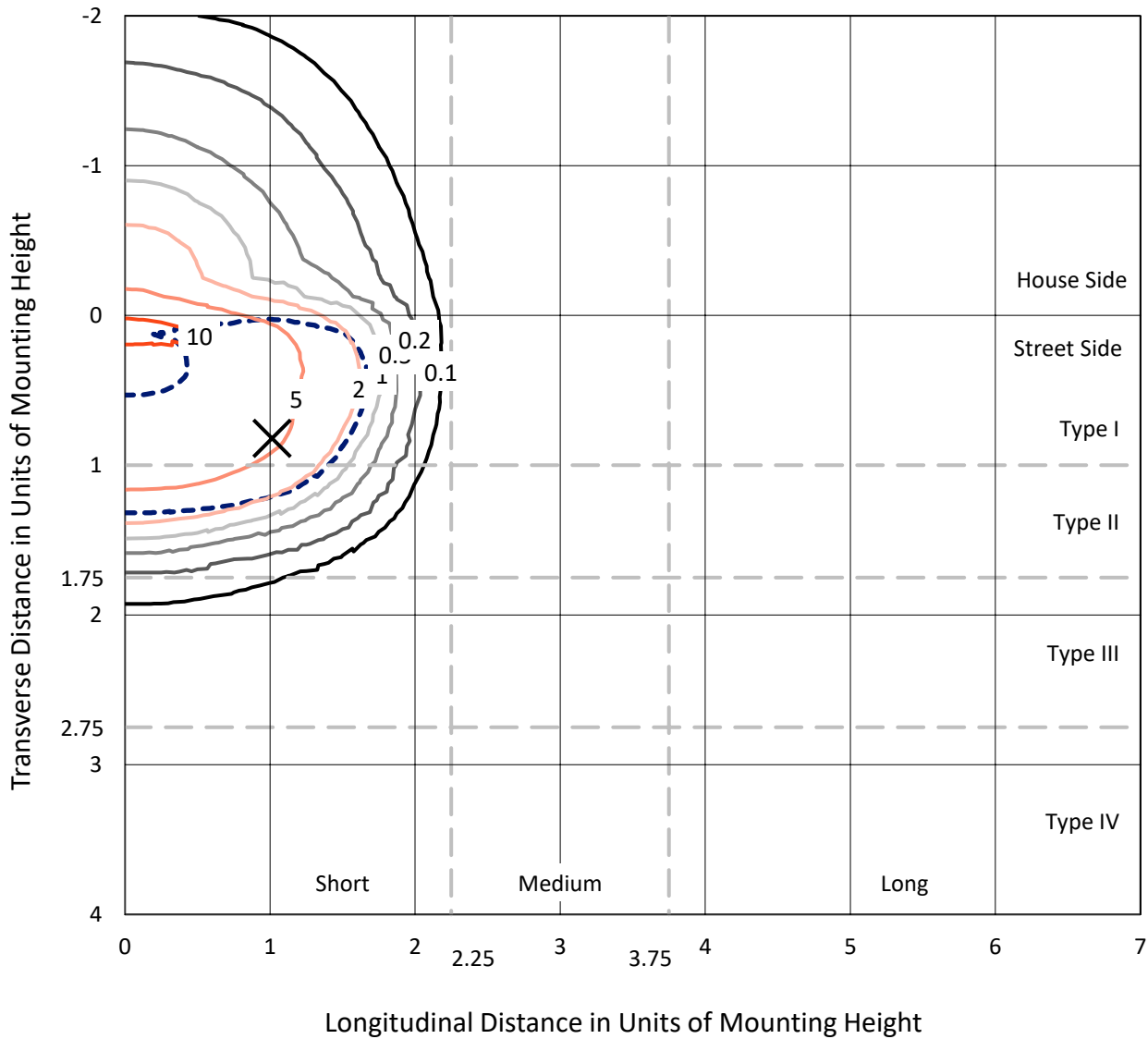
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

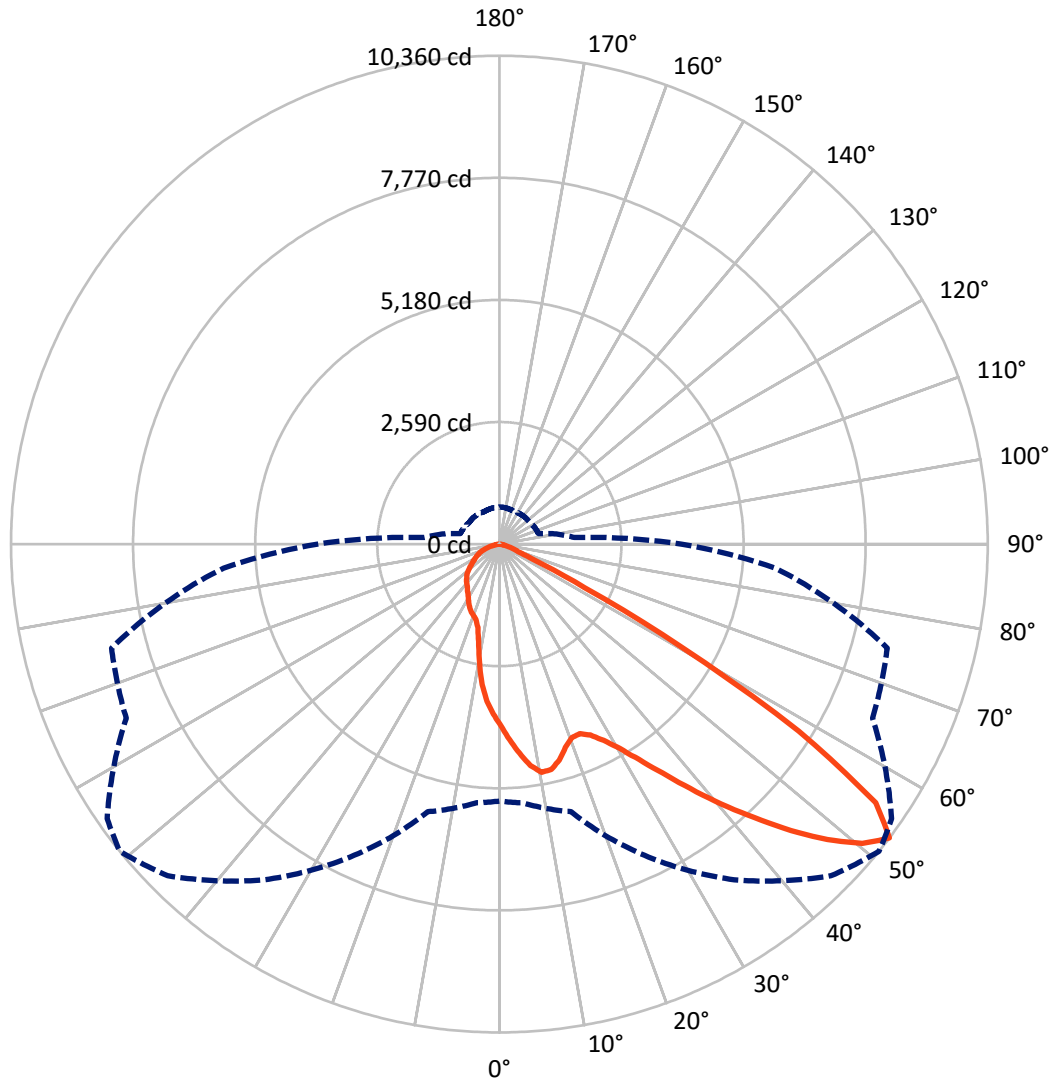
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 51-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2522.2	0.0	2522.2
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	10422.8	0.0	10422.8
	% Fixture	80.5	0.0	80.5
Total	Lumens	12945.0	0.0	12945.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	359.7	2.8
10°-20°	934.6	7.2
20°-30°	1519.5	11.7
30°-40°	2408.1	18.6
40°-50°	3631.9	28.1
50°-60°	3141.9	24.3
60°-70°	712.3	5.5
70°-80°	210.0	1.6
80°-90°	27.1	0.2
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°	12945.0	100.0
0°-180°	12945.0	100.0

Coefficient of Utilization



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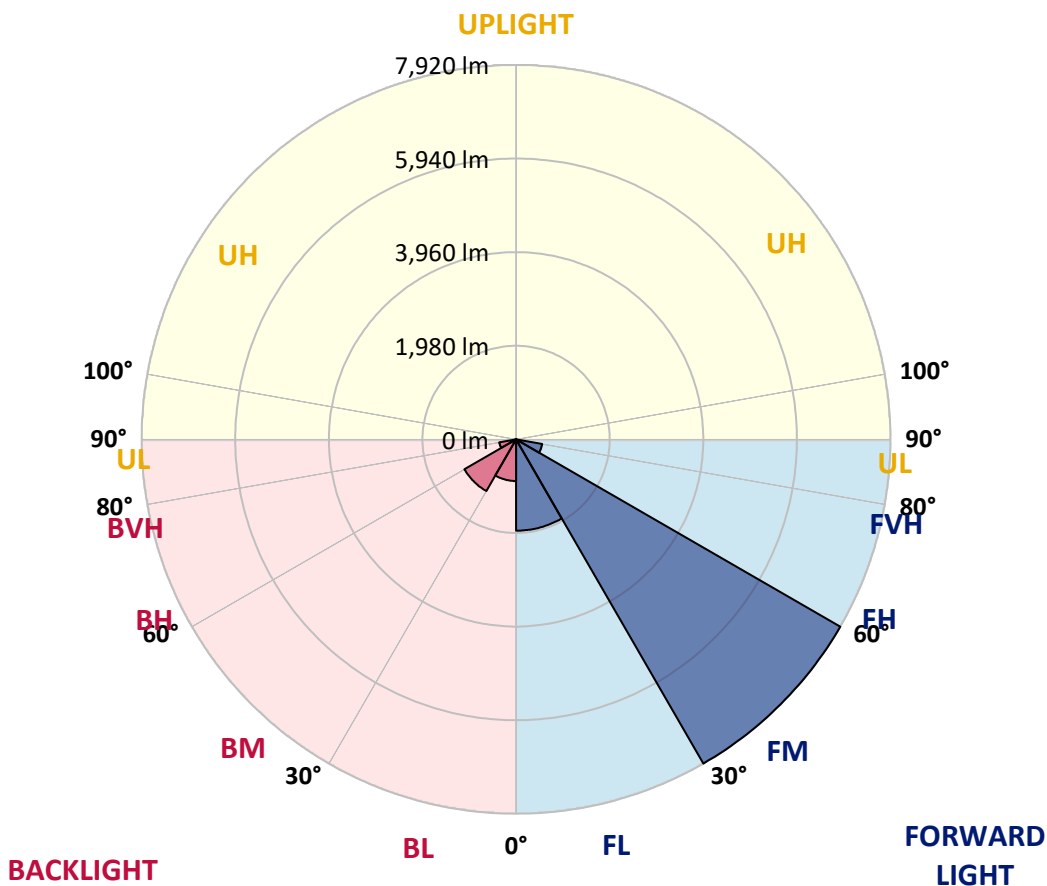
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1932.1	14.9			
FM (30°-60°)	7919.9	61.2			
FH (60°-80°)	560.6	4.3			G0/660
FVH (80°-90°)	10.2	0.1			G1/100
BL (0°-30°)	881.7	6.8	B2/1000		
BM (30°-60°)	1261.9	9.7	B2/2500		
BH (60°-80°)	361.8	2.8	B1/500		G1/500
BVH (80°-90°)	16.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	3854.4	3854.4	3854.4	3854.4	3854.4	3854.4	3854.4	3854.4	3854.4	3854.4	3854.4
2.5°	4295.3	4319.8	4282.0	4267.6	4244.1	4203.2	4156.1	4142.8	4041.6	3975.1	3900.4
5°	4726.9	4740.2	4709.5	4678.8	4620.5	4547.9	4456.9	4437.4	4253.3	4100.9	3942.3
7.5°	4823.1	4818.0	4844.6	4862.0	4854.8	4826.1	4745.3	4707.5	4487.6	4246.2	4011.9
10°	4442.6	4413.9	4512.1	4628.7	4768.9	4930.5	4921.3	4918.2	4726.9	4441.5	4100.9
12.5°	3938.3	3923.9	4003.7	4150.0	4414.9	4773.0	4907.0	5011.3	4942.8	4627.7	4200.1
15°	3649.8	3644.7	3698.9	3804.2	4015.0	4467.1	4753.5	4960.2	5127.9	4827.2	4305.5
17.5°	3597.6	3600.7	3619.1	3679.5	3830.8	4203.2	4534.6	4823.1	5272.1	5046.1	4437.4
20°	3750.0	3770.5	3738.8	3748.0	3829.8	4108.1	4385.3	4685.0	5364.2	5266.0	4579.6
22.5°	4088.6	4081.5	4011.9	3971.0	3972.0	4166.4	4368.9	4620.5	5424.6	5479.8	4708.5
25°	4472.2	4464.0	4381.2	4290.1	4232.9	4324.9	4486.5	4689.1	5478.8	5675.2	4811.8
27.5°	4925.4	4899.8	4807.7	4691.1	4564.3	4604.2	4713.6	4874.2	5562.7	5867.5	4880.4
30°	5364.2	5393.9	5261.9	5123.8	4989.8	4965.3	5028.7	5173.9	5733.5	6092.5	4962.2
32.5°	5946.2	5936.0	5789.7	5609.7	5418.4	5400.0	5450.1	5583.1	6040.4	6403.5	5087.0
35°	6651.0	6653.1	6445.4	6202.0	5929.9	5880.8	5964.7	6093.5	6497.6	6824.9	5284.4
37.5°	7383.5	7380.4	7199.3	6923.1	6551.8	6482.3	6578.4	6674.6	7069.4	7398.8	5591.3
40°	7897.0	7917.4	7832.5	7687.3	7335.4	7165.6	7250.5	7317.0	7691.4	8073.9	5995.3
42.5°	8188.5	8219.2	8237.6	8324.5	8139.4	7958.3	7927.7	7962.4	8246.8	8701.0	6374.9
45°	8250.9	8291.8	8425.8	8748.0	8819.6	8768.5	8668.2	8584.4	8661.1	9146.0	6623.4
47.5°	7975.7	8047.3	8333.8	8897.4	9315.8	9476.4	9364.9	9237.0	8900.4	9260.5	6597.9
50°	6885.3	6969.2	7614.6	8592.5	9386.3	9971.4	9981.7	9792.4	8871.8	8930.1	6276.7
52.5°	5451.2	5508.4	5877.7	7284.2	8693.8	9951.0	10360.2	10157.6	8733.7	8516.9	5874.6
55°	3258.0	3350.1	3694.8	4805.7	6772.8	8819.6	9691.2	9789.4	8666.2	8170.1	5600.5
57.5°	1099.6	1144.7	1474.0	2122.6	3991.4	6457.7	7487.8	7886.7	7867.3	7640.2	5065.5
60°	523.7	534.0	600.5	805.0	1597.8	3374.6	4432.3	4892.6	5312.0	5354.0	3151.6
62.5°	398.9	405.1	438.8	482.8	642.4	1421.9	2031.5	2383.4	2546.1	2185.0	1147.7
65°	333.5	338.6	364.2	391.8	436.8	615.8	779.5	899.1	810.2	631.1	547.3
67.5°	278.2	282.3	301.8	331.4	362.1	412.2	432.7	445.0	466.5	523.7	503.3
70°	217.9	222.0	242.4	268.0	297.7	309.9	329.4	341.7	384.6	458.3	456.2
72.5°	167.8	172.9	184.1	200.5	225.0	237.3	258.8	273.1	297.7	357.0	381.6
75°	122.8	125.8	136.0	141.2	144.2	141.2	162.6	179.0	211.7	234.2	240.4
77.5°	50.1	56.3	54.2	54.2	64.4	77.7	89.0	99.2	121.7	135.0	136.0
80°	20.5	22.5	26.6	29.7	35.8	46.0	53.2	57.3	67.5	75.7	81.8
82.5°	12.3	13.3	15.3	16.4	20.5	26.6	30.7	33.8	41.9	50.1	53.2
85°	6.1	6.1	7.2	8.2	10.2	12.3	14.3	16.4	21.5	26.6	29.7
87.5°	1.0	1.0	1.0	2.0	3.1	4.1	5.1	6.1	7.2	8.2	10.2
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°	3854.4	3854.4	3854.4	3854.4	3854.4	3854.4	3854.4	3854.4	3854.4	3854.4	3854.4
2.5°	3856.4	3801.2	3736.7	3685.6	3626.3	3582.3	3519.9	3481.0	3444.2	3413.5	3391.0
5°	3860.5	3767.4	3633.4	3514.8	3392.0	3275.4	3155.7	3058.5	2971.6	2899.0	2892.8
7.5°	3884.0	3750.0	3540.3	3332.7	3093.3	2862.1	2631.0	2442.7	2299.5	2224.9	2209.5
10°	3923.9	3748.0	3445.2	3113.8	2705.6	2333.3	2059.1	1915.9	1833.1	1803.4	1793.2
12.5°	3965.9	3742.9	3323.5	2804.9	2238.2	1911.8	1761.5	1744.1	1759.4	1761.5	1760.4
15°	4017.0	3739.8	3170.0	2442.7	1896.5	1716.5	1726.7	1763.5	1799.3	1807.5	1807.5
17.5°	4079.4	3732.6	2961.4	2088.8	1682.7	1678.6	1732.8	1781.9	1815.7	1821.8	1821.8
20°	4144.9	3714.2	2704.6	1800.3	1595.8	1655.1	1713.4	1751.2	1774.8	1783.0	1784.0
22.5°	4189.9	3665.1	2409.0	1586.6	1541.5	1610.1	1652.0	1690.9	1690.9	1670.4	1664.3
25°	4199.1	3559.8	2088.8	1440.3	1477.1	1540.5	1583.5	1561.0	1519.0	1502.7	1501.7
27.5°	4165.3	3406.3	1772.7	1335.9	1399.4	1462.8	1455.6	1422.9	1404.5	1388.1	1394.2
30°	4124.4	3222.2	1498.6	1250.0	1309.3	1371.7	1347.2	1335.9	1322.6	1304.2	1308.3
32.5°	4096.8	3016.6	1287.9	1183.5	1249.0	1259.2	1276.6	1275.6	1263.3	1228.5	1226.5
35°	4105.0	2808.9	1146.7	1129.3	1198.9	1194.8	1227.5	1221.4	1136.5	1088.4	1085.3
37.5°	4170.5	2609.5	1063.8	1086.3	1119.1	1144.7	1173.3	1099.6	1070.0	1039.3	1041.3
40°	4295.3	2424.3	1018.8	1062.8	1071.0	1108.8	1042.4	1041.3	1028.0	1000.4	999.4
42.5°	4436.4	2267.8	988.1	1051.6	1040.3	1047.5	976.9	985.1	984.1	966.7	961.5
45°	4522.3	2123.6	963.6	1009.6	1012.7	941.1	919.6	928.8	933.9	924.7	923.7
47.5°	4433.3	1957.9	938.0	945.2	971.8	893.0	866.4	867.4	876.6	877.7	873.6
50°	4183.8	1772.7	907.3	889.9	872.6	842.9	818.3	813.2	822.4	831.6	834.7
52.5°	3861.5	1595.8	856.2	829.6	788.7	788.7	777.4	761.1	773.3	785.6	789.7
55°	3625.2	1464.8	783.6	753.9	708.9	724.2	722.2	707.9	724.2	733.4	736.5
57.5°	3141.4	1177.4	689.4	680.2	642.4	660.8	664.9	646.5	638.3	640.3	643.4
60°	1864.8	760.0	621.9	620.9	587.2	608.6	620.9	602.5	578.0	581.0	585.1
62.5°	836.8	581.0	537.0	532.9	531.9	559.5	572.8	555.4	520.7	523.7	527.8
65°	526.8	502.3	466.5	466.5	482.8	506.3	516.6	502.3	462.4	457.2	461.3
67.5°	489.0	467.5	430.7	423.5	431.7	451.1	452.1	424.5	401.0	396.9	396.9
70°	438.8	422.5	386.7	372.3	369.3	368.3	365.2	358.0	342.7	338.6	340.6
72.5°	363.1	351.9	329.4	314.0	305.9	304.8	292.6	286.4	273.1	271.1	270.1
75°	240.4	243.5	243.5	241.4	234.2	231.2	217.9	211.7	196.4	190.3	189.2
77.5°	142.2	145.3	149.3	150.4	149.3	149.3	137.1	129.9	114.6	106.4	104.3
80°	86.9	89.0	91.0	94.1	90.0	86.9	75.7	68.5	61.4	56.3	55.2
82.5°	56.3	58.3	59.3	61.4	59.3	55.2	46.0	41.9	36.8	32.7	31.7
85°	31.7	32.7	34.8	34.8	31.7	28.6	23.5	20.5	17.4	15.3	15.3
87.5°	11.3	11.3	11.3	12.3	10.2	9.2	6.1	4.1	3.1	3.1	3.1
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)