

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: P634734

Luminaire Tested: GWS-SA3C-735-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634734
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-735-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11521.9 lumens
Efficiency: N/A
Efficacy: 123.9 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

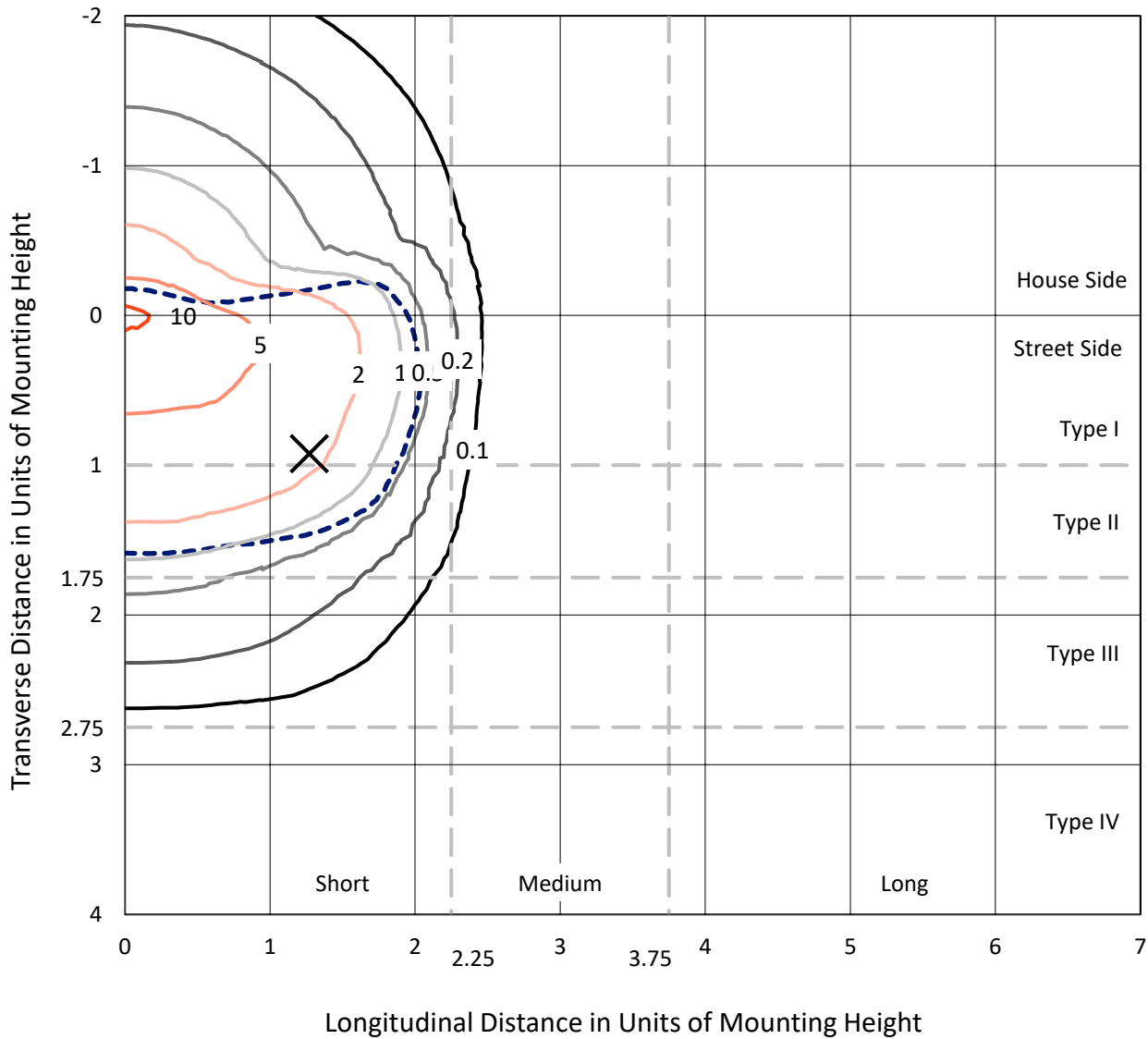
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

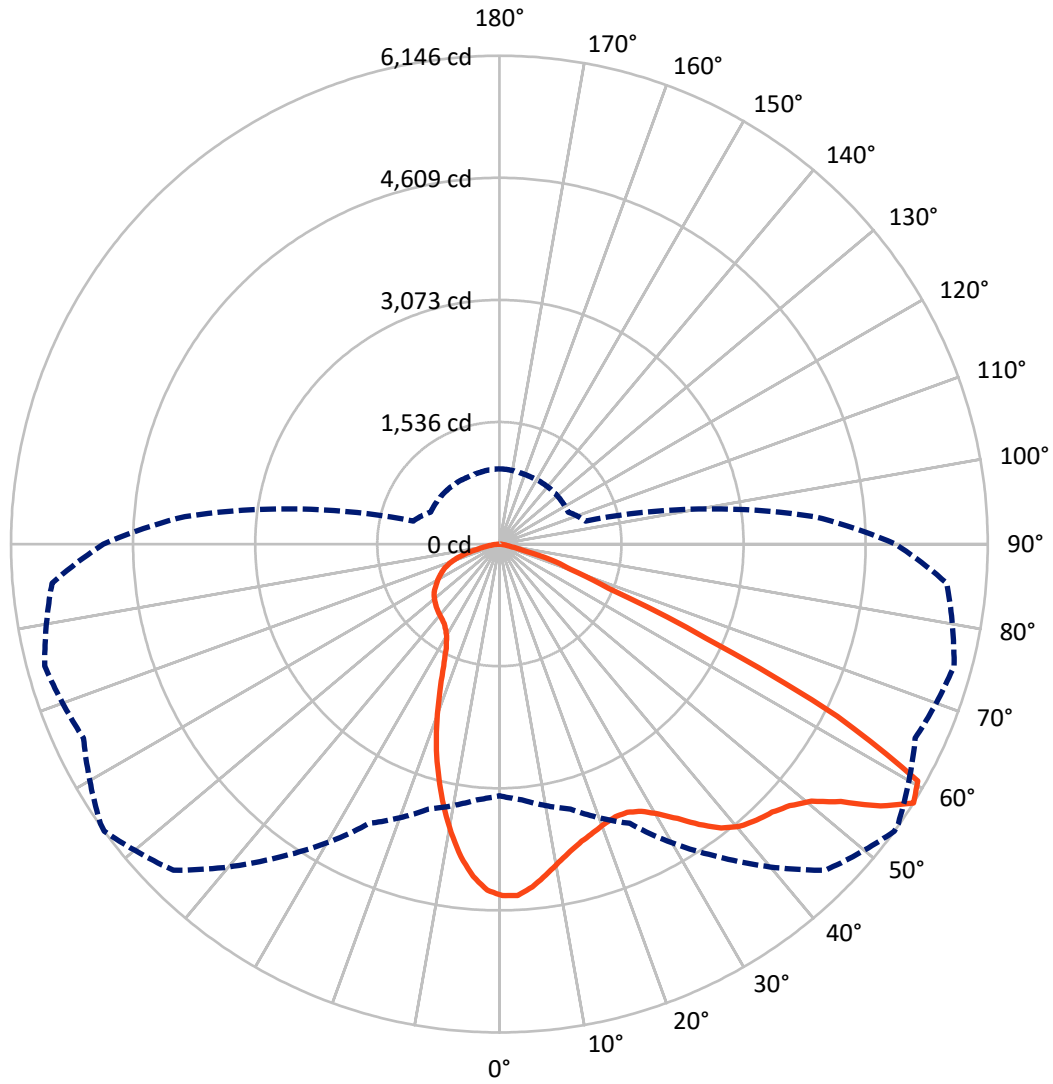
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3349.6	0.0	3349.6
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	8172.3	0.0	8172.3
	% Fixture	70.9	0.0	70.9
Total	Lumens	11521.9	0.0	11521.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	388.8	3.4
10°-20°	927.8	8.1
20°-30°	1283.9	11.1
30°-40°	1784.0	15.5
40°-50°	2356.1	20.4
50°-60°	2799.9	24.3
60°-70°	1551.2	13.5
70°-80°	386.3	3.4
80°-90°	43.9	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°	11521.9	100.0
0°-180°	11521.9	100.0

Coefficient of Utilization



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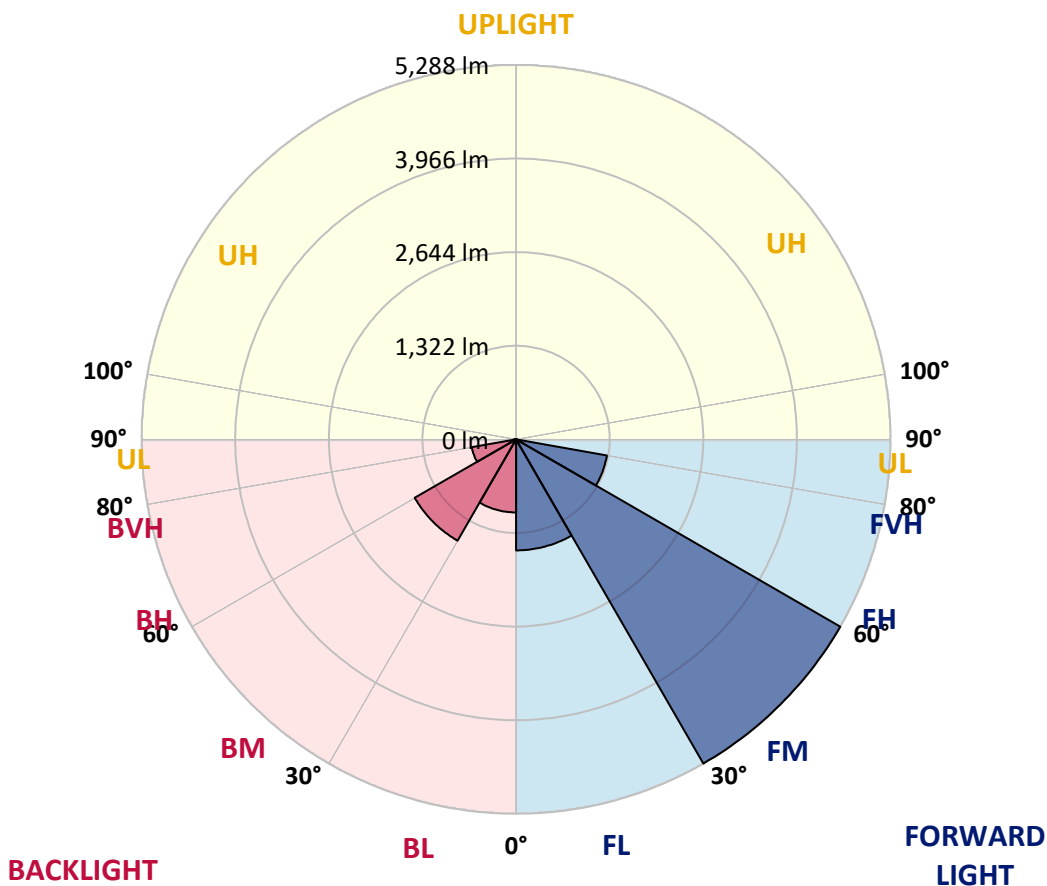
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1568.3	13.6			
FM (30°-60°)	5287.6	45.9			
FH (60°-80°)	1302.7	11.3			G1/1800
FVH (80°-90°)	13.7	0.1			G1/100
BL (0°-30°)	1032.2	9.0	B3/2500		
BM (30°-60°)	1652.4	14.3	B2/2500		
BH (60°-80°)	634.8	5.5	B2/1000		G2/1000
BVH (80°-90°)	30.2	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°	54°	55°	65°	75°	85°
0°	4423.5	4423.5	4423.5	4423.5	4423.5	4423.5	4423.5	4423.5	4423.5	4423.5	4423.5
2.5°	4340.7	4349.5	4355.5	4376.2	4393.9	4409.7	4426.5	4426.5	4425.5	4422.5	4416.6
5°	4169.1	4178.9	4192.7	4221.3	4259.8	4287.4	4332.8	4336.7	4356.5	4364.3	4360.4
7.5°	3969.8	3972.8	3990.5	4028.0	4089.2	4138.5	4203.6	4211.5	4258.8	4286.4	4281.5
10°	3751.9	3742.0	3773.6	3828.8	3908.7	3991.5	4075.4	4082.3	4158.2	4210.5	4206.5
12.5°	3552.6	3553.6	3585.2	3652.2	3751.9	3854.4	3966.9	3982.6	4076.3	4143.4	4136.5
15°	3385.9	3389.9	3428.4	3504.3	3617.7	3740.0	3880.1	3894.9	4013.2	4102.0	4082.3
17.5°	3252.8	3256.7	3290.3	3377.1	3498.4	3646.3	3816.9	3831.7	3978.7	4084.2	4043.8
20°	3161.1	3159.1	3191.6	3274.5	3399.7	3560.5	3761.7	3783.4	3967.9	4091.1	4018.2
22.5°	3123.6	3122.6	3146.3	3214.3	3331.7	3494.4	3728.2	3757.8	3979.7	4121.7	4002.4
25°	3142.3	3138.4	3159.1	3209.4	3303.1	3468.8	3738.0	3769.6	4030.0	4184.8	4005.3
27.5°	3200.5	3195.6	3213.3	3258.7	3329.7	3495.4	3807.1	3843.6	4136.5	4300.2	4044.8
30°	3289.3	3286.3	3304.1	3347.5	3409.6	3584.2	3939.2	3980.7	4301.2	4479.7	4130.6
32.5°	3392.8	3387.9	3419.5	3469.8	3541.8	3745.9	4116.8	4171.0	4496.5	4710.5	4274.6
35°	3509.2	3505.3	3548.7	3621.7	3725.2	3970.8	4331.8	4391.0	4695.7	4971.9	4465.9
37.5°	3622.7	3622.7	3706.5	3815.0	3945.2	4215.4	4534.0	4571.5	4833.8	5203.7	4671.1
40°	3723.3	3729.2	3855.4	4018.2	4183.9	4436.3	4667.1	4698.7	4895.0	5363.5	4849.6
42.5°	3834.7	3839.6	3986.6	4199.6	4396.9	4614.9	4748.0	4763.8	4906.8	5443.3	4975.8
45°	3923.5	3930.4	4112.8	4340.7	4582.3	4749.0	4812.1	4825.9	4923.6	5486.7	5067.6
47.5°	3969.8	3979.7	4188.8	4454.1	4707.6	4869.3	4917.7	4923.6	4992.6	5562.7	5178.0
50°	3961.9	3981.7	4217.4	4510.3	4800.3	4990.6	5087.3	5097.2	5133.6	5674.1	5307.2
52.5°	4032.0	4040.8	4278.5	4577.4	4932.4	5214.5	5382.2	5396.0	5379.2	5758.0	5384.2
55°	3915.6	3958.0	4202.6	4567.5	5133.6	5560.7	5819.1	5812.2	5602.1	5851.7	5512.4
57.5°	3167.0	3229.1	3453.0	3877.1	4802.3	5803.3	6145.6	6128.8	5774.7	5923.7	5651.5
60°	2192.5	2202.4	2404.6	2705.4	3706.5	5126.7	6049.9	6086.4	5806.3	5832.9	5394.0
62.5°	1753.6	1750.7	1769.4	1777.3	2357.2	3603.9	4775.6	4908.8	4824.0	4544.8	3822.9
65°	1497.2	1508.0	1563.3	1534.7	1538.6	2029.8	2853.3	2872.1	2812.9	2712.3	2021.9
67.5°	1171.7	1190.5	1288.1	1399.5	1364.0	1306.8	1480.4	1471.5	1159.9	897.5	741.7
70°	733.8	745.6	850.2	1098.7	1187.5	1073.1	951.8	947.8	621.4	510.9	560.2
72.5°	428.1	430.0	459.6	612.5	788.0	733.8	700.3	674.6	399.4	407.3	446.8
75°	235.7	235.7	234.7	264.3	310.7	275.2	266.3	259.4	267.3	302.8	332.4
77.5°	49.3	50.3	53.3	70.0	90.7	110.5	139.1	140.1	174.6	202.2	225.9
80°	22.7	23.7	29.6	37.5	48.3	64.1	84.8	85.8	105.5	127.2	143.0
82.5°	11.8	12.8	15.8	19.7	25.6	33.5	47.3	47.3	63.1	75.0	84.8
85°	3.9	3.9	5.9	7.9	10.8	13.8	18.7	18.7	27.6	36.5	42.4
87.5°	0.0	0.0	0.0	0.0	1.0	2.0	3.9	3.9	4.9	5.9	9.9
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°	4423.5	4423.5	4423.5	4423.5	4423.5	4423.5	4423.5	4423.5	4423.5	4423.5	4423.5
2.5°	4403.8	4373.2	4374.2	4380.1	4361.4	4332.8	4314.0	4290.4	4275.6	4272.6	4283.5
5°	4340.7	4305.2	4280.5	4254.9	4201.6	4138.5	4089.2	4048.7	4022.1	4012.2	4000.4
7.5°	4253.9	4207.5	4145.4	4073.4	3976.7	3864.3	3785.4	3711.4	3660.1	3645.3	3638.4
10°	4167.1	4100.0	3989.6	3855.4	3694.6	3542.8	3399.7	3290.3	3203.5	3154.2	3169.9
12.5°	4077.3	3994.5	3821.9	3615.7	3391.9	3163.0	2975.6	2794.2	2654.1	2584.1	2563.4
15°	3998.4	3886.0	3645.3	3366.2	3068.4	2780.4	2509.1	2236.9	2059.4	1962.7	1936.1
17.5°	3931.4	3785.4	3458.9	3111.8	2755.7	2345.4	2012.0	1759.5	1638.2	1585.0	1581.0
20°	3865.3	3686.8	3274.5	2837.6	2394.7	1935.1	1637.2	1518.9	1475.5	1456.8	1455.8
22.5°	3806.1	3583.2	3080.2	2563.4	2035.7	1626.4	1462.7	1411.4	1399.5	1399.5	1397.6
25°	3755.8	3479.6	2881.0	2272.4	1711.2	1447.9	1371.9	1350.2	1355.2	1364.0	1365.0
27.5°	3735.1	3398.8	2688.6	1973.6	1487.3	1344.3	1309.8	1306.8	1320.6	1334.5	1336.4
30°	3756.8	3343.5	2491.4	1687.5	1353.2	1281.2	1265.4	1271.3	1288.1	1301.9	1301.9
32.5°	3823.9	3315.9	2290.2	1478.5	1275.3	1236.8	1231.9	1237.8	1250.6	1258.5	1259.5
35°	3937.3	3326.8	2082.1	1337.4	1225.0	1204.3	1203.3	1207.2	1212.2	1217.1	1218.1
37.5°	4080.3	3375.1	1859.2	1255.5	1192.4	1180.6	1178.6	1177.6	1178.6	1178.6	1179.6
40°	4220.3	3448.1	1659.9	1207.2	1169.7	1159.9	1154.9	1148.0	1147.1	1145.1	1144.1
42.5°	4323.9	3504.3	1501.1	1172.7	1149.0	1137.2	1131.3	1120.4	1119.4	1118.5	1117.5
45°	4401.8	3551.6	1369.0	1139.2	1127.3	1116.5	1103.7	1093.8	1095.8	1097.7	1097.7
47.5°	4489.6	3593.1	1272.3	1107.6	1100.7	1089.9	1074.1	1067.2	1074.1	1081.0	1081.0
50°	4596.1	3651.3	1193.4	1076.0	1073.1	1060.3	1046.5	1043.5	1051.4	1061.3	1061.3
52.5°	4674.0	3701.6	1137.2	1044.5	1044.5	1027.7	1015.9	1014.9	1023.8	1033.6	1034.6
55°	4820.0	3818.9	1117.5	1008.0	1004.0	991.2	982.3	975.4	986.3	995.2	995.2
57.5°	4984.7	3974.8	1122.4	955.7	950.8	946.8	939.9	932.0	935.0	944.9	945.9
60°	4635.6	3673.0	1068.2	903.4	900.5	898.5	889.6	875.8	879.8	887.7	888.6
62.5°	3238.0	2441.1	864.0	838.3	848.2	847.2	835.4	819.6	820.6	831.4	831.4
65°	1680.6	1320.6	758.5	779.2	794.0	788.0	768.3	754.5	752.5	766.3	763.4
67.5°	724.9	721.0	690.4	717.0	732.8	720.0	699.3	676.6	678.6	683.5	679.6
70°	583.9	601.6	614.5	643.1	655.9	632.2	609.5	596.7	585.9	584.9	578.0
72.5°	466.5	491.2	519.8	549.4	553.3	529.6	501.0	489.2	472.4	471.4	464.5
75°	351.1	371.8	394.5	418.2	418.2	395.5	376.8	370.8	351.1	345.2	339.3
77.5°	239.7	252.5	270.2	276.2	282.1	273.2	254.5	244.6	221.9	216.0	208.1
80°	150.9	159.8	170.6	174.6	180.5	169.6	154.8	144.0	128.2	123.3	119.3
82.5°	90.7	96.7	103.6	105.5	110.5	102.6	88.8	80.9	72.0	68.1	65.1
85°	46.4	49.3	53.3	54.2	53.3	45.4	40.4	36.5	30.6	29.6	27.6
87.5°	11.8	13.8	14.8	13.8	12.8	9.9	6.9	4.9	2.0	2.0	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)