

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: P641499

Luminaire Tested: GWS-SA6B-722-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641499
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-SA6B-722-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13060.5 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

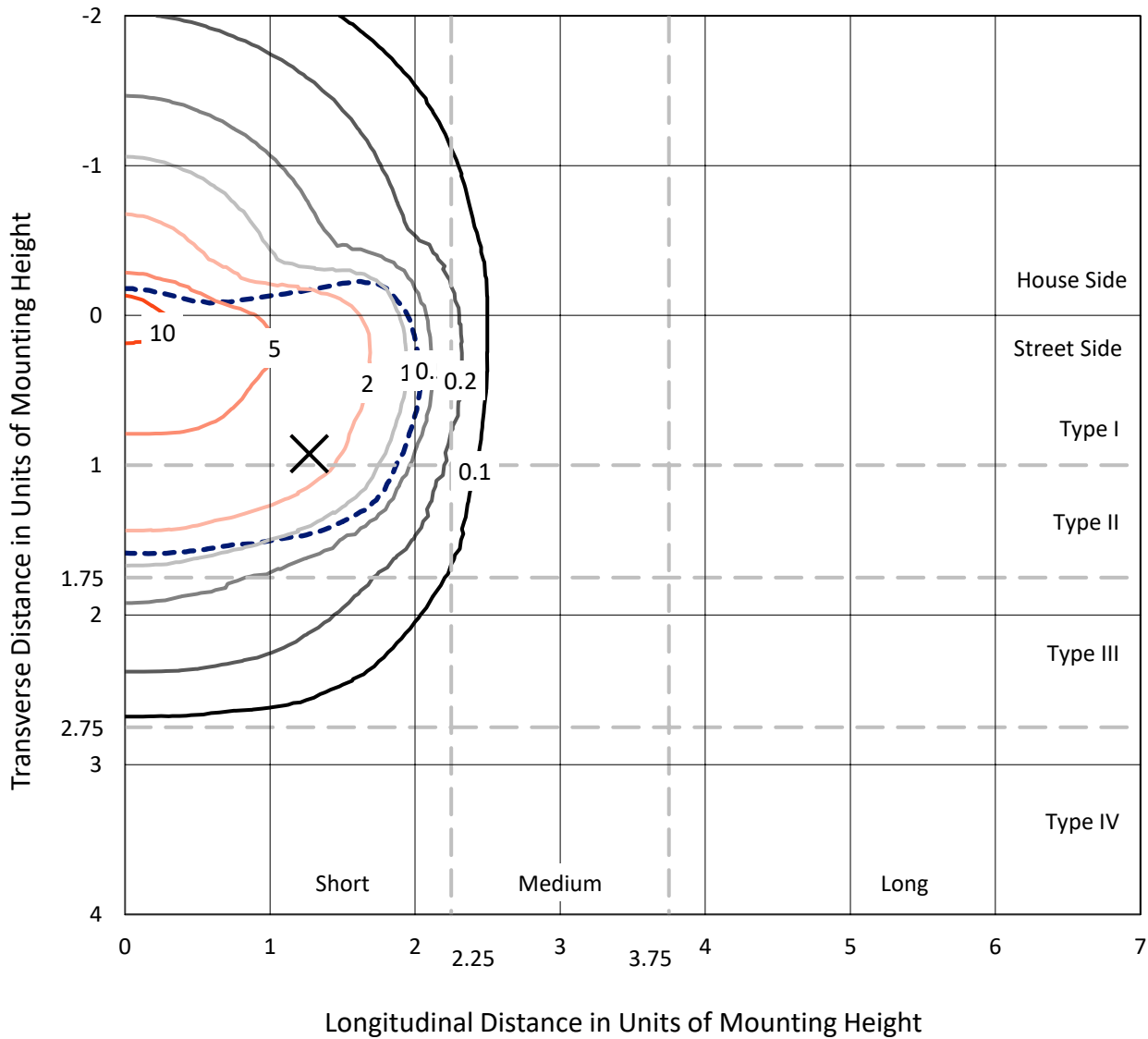
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

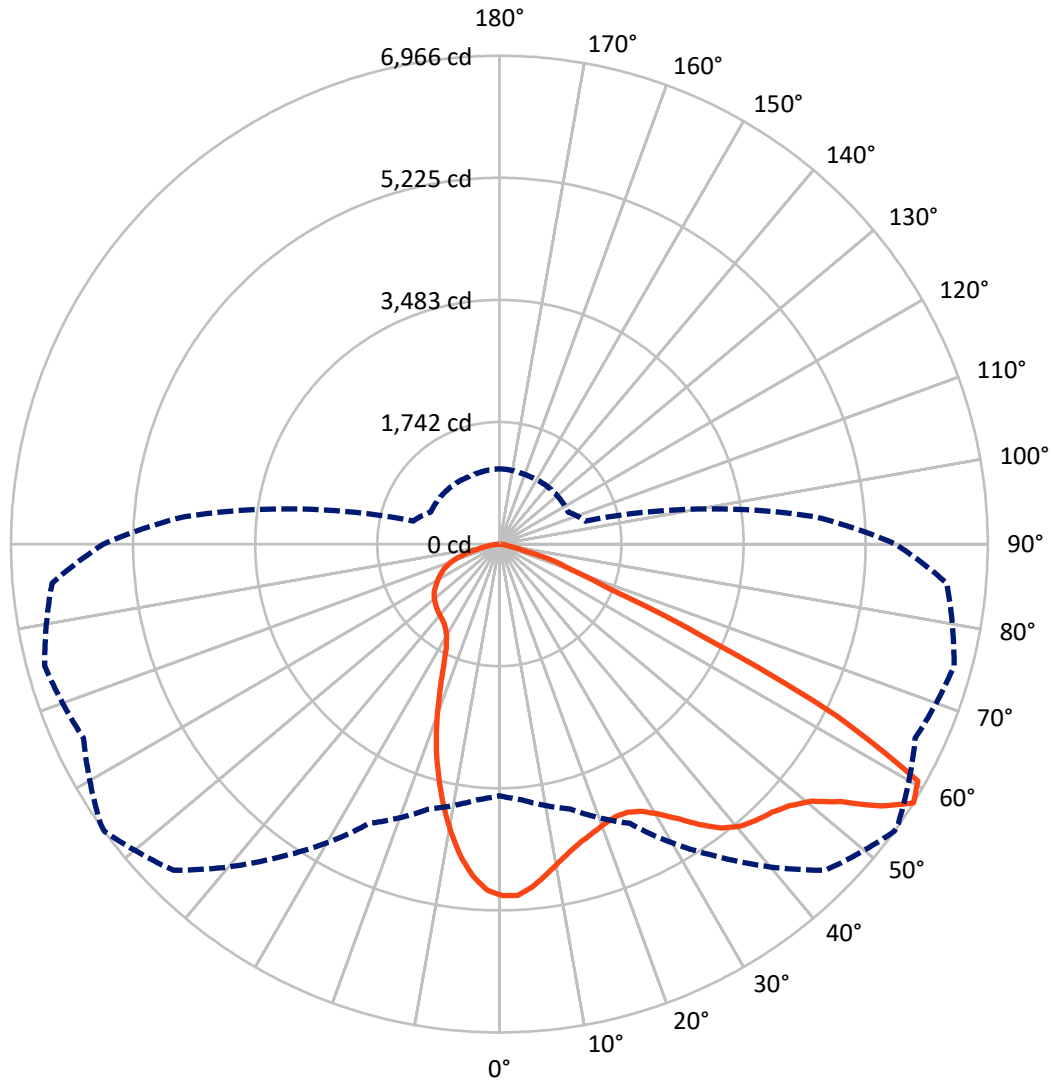
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 12.5 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	3796.8	0.0	3796.8
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	9263.7	0.0	9263.7
	% Fixture	70.9	0.0	70.9
Total	Lumens	13060.5	0.0	13060.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.7	3.4
10°-20°	1051.7	8.1
20°-30°	1455.4	11.1
30°-40°	2022.2	15.5
40°-50°	2670.7	20.4
50°-60°	3173.8	24.3
60°-70°	1758.3	13.5
70°-80°	437.9	3.4
80°-90°	49.8	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°	13060.5	100.0
0°-180°	13060.5	100.0

Coefficient of Utilization



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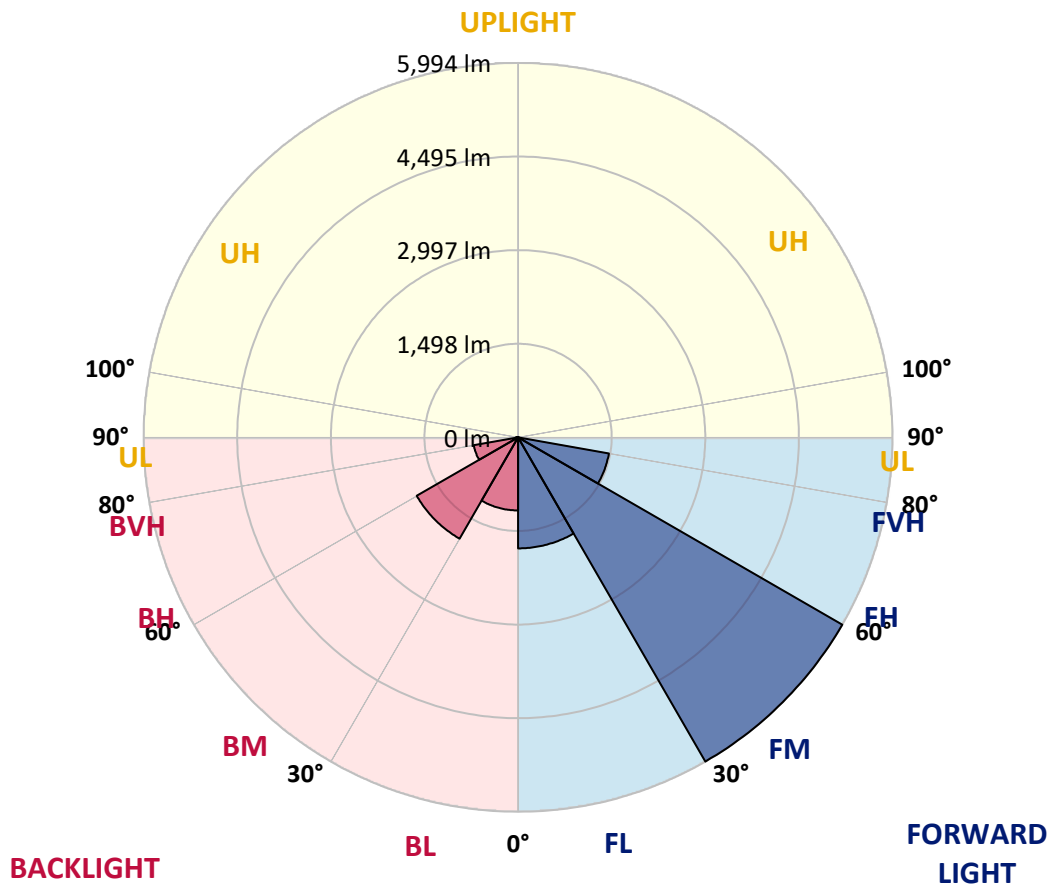
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1777.7	13.6			
FM (30°-60°)	5993.7	45.9			
FH (60°-80°)	1476.7	11.3			G1/1800
FVH (80°-90°)	15.6	0.1			G1/100
BL (0°-30°)	1170.0	9.0	B3/2500		
BM (30°-60°)	1873.1	14.3	B2/2500		
BH (60°-80°)	719.5	5.5	B2/1000		G2/1000
BVH (80°-90°)	34.2	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°	5014.2	5014.2	5014.2	5014.2	5014.2	5014.2	5014.2	5014.2	5014.2	5014.2	5014.2
2.5°	4920.3	4930.4	4937.1	4960.6	4980.7	4998.6	5017.6	5017.6	5016.5	5013.1	5006.4
5°	4725.8	4737.0	4752.6	4785.0	4828.6	4859.9	4911.4	4915.8	4938.2	4947.1	4942.7
7.5°	4499.9	4503.3	4523.4	4565.9	4635.2	4691.1	4764.9	4773.9	4827.5	4858.8	4853.2
10°	4252.9	4241.7	4277.5	4340.1	4430.6	4524.5	4619.6	4627.4	4713.5	4772.7	4768.3
12.5°	4027.0	4028.1	4063.9	4139.9	4252.9	4369.1	4496.6	4514.5	4620.7	4696.7	4688.9
15°	3838.1	3842.6	3886.2	3972.2	4100.8	4239.4	4398.2	4415.0	4549.1	4649.8	4627.4
17.5°	3687.2	3691.6	3729.6	3828.0	3965.5	4133.2	4326.7	4343.4	4510.0	4629.6	4583.8
20°	3583.2	3580.9	3617.8	3711.8	3853.7	4036.0	4264.0	4288.6	4497.7	4637.5	4554.7
22.5°	3540.7	3539.6	3566.4	3643.6	3776.6	3961.1	4226.0	4259.6	4511.1	4672.1	4536.8
25°	3561.9	3557.5	3580.9	3638.0	3744.2	3932.0	4237.2	4273.0	4568.1	4743.7	4540.2
27.5°	3627.9	3622.3	3642.4	3693.9	3774.4	3962.2	4315.5	4356.8	4688.9	4874.5	4584.9
30°	3728.5	3725.2	3745.3	3794.5	3864.9	4062.8	4465.3	4512.2	4875.6	5077.9	4682.2
32.5°	3845.9	3840.3	3876.1	3933.1	4014.7	4246.2	4666.5	4728.0	5097.0	5339.6	4845.4
35°	3977.8	3973.4	4022.6	4105.3	4222.7	4501.1	4910.2	4977.3	5322.8	5635.8	5062.3
37.5°	4106.4	4106.4	4201.4	4324.4	4472.0	4778.3	5139.4	5181.9	5479.3	5898.6	5294.8
40°	4220.4	4227.2	4370.3	4554.7	4742.5	5028.8	5290.4	5326.1	5548.6	6079.7	5497.2
42.5°	4346.8	4352.4	4518.9	4760.4	4984.0	5231.1	5382.0	5399.9	5562.0	6170.2	5640.3
45°	4447.4	4455.2	4662.1	4920.3	5194.2	5383.2	5454.7	5470.4	5581.0	6219.4	5744.3
47.5°	4499.9	4511.1	4748.1	5048.9	5336.2	5519.6	5574.3	5581.0	5659.3	6305.5	5869.5
50°	4491.0	4513.4	4780.6	5112.6	5441.3	5657.1	5766.6	5777.8	5819.2	6431.8	6015.9
52.5°	4570.4	4580.4	4849.9	5188.6	5591.1	5910.9	6100.9	6116.6	6097.6	6526.9	6103.2
55°	4438.5	4486.5	4763.8	5177.5	5819.2	6303.3	6596.2	6588.4	6350.2	6633.1	6248.5
57.5°	3589.9	3660.3	3914.1	4394.9	5443.5	6578.3	6966.2	6947.2	6545.9	6714.7	6406.1
60°	2485.3	2496.5	2725.7	3066.7	4201.4	5811.4	6857.8	6899.2	6581.7	6611.8	6114.3
62.5°	1987.8	1984.4	2005.7	2014.6	2672.0	4085.2	5413.3	5564.3	5468.1	5151.7	4333.4
65°	1697.1	1709.4	1772.0	1739.6	1744.1	2300.8	3234.4	3255.6	3188.5	3074.5	2291.9
67.5°	1328.2	1349.4	1460.1	1586.4	1546.2	1481.3	1678.1	1668.1	1314.8	1017.4	840.7
70°	831.8	845.2	963.7	1245.5	1346.1	1216.4	1078.9	1074.4	704.3	579.1	635.0
72.5°	485.2	487.4	521.0	694.3	893.3	831.8	793.8	764.7	452.8	461.7	506.5
75°	267.2	267.2	266.1	299.6	352.2	311.9	301.9	294.0	303.0	343.2	376.8
77.5°	55.9	57.0	60.4	79.4	102.9	125.2	157.6	158.8	197.9	229.2	256.0
80°	25.7	26.8	33.5	42.5	54.8	72.7	96.1	97.3	119.6	144.2	162.1
82.5°	13.4	14.5	17.9	22.4	29.1	38.0	53.7	53.7	71.6	85.0	96.1
85°	4.5	4.5	6.7	8.9	12.3	15.7	21.2	21.2	31.3	41.4	48.1
87.5°	0.0	0.0	0.0	0.0	1.1	2.2	4.5	4.5	5.6	6.7	11.2
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°	5014.2	5014.2	5014.2	5014.2	5014.2	5014.2	5014.2	5014.2	5014.2	5014.2	5014.2
2.5°	4991.9	4957.2	4958.3	4965.0	4943.8	4911.4	4890.1	4863.3	4846.5	4843.2	4855.5
5°	4920.3	4880.1	4852.1	4823.0	4762.7	4691.1	4635.2	4589.4	4559.2	4548.0	4534.6
7.5°	4821.9	4769.4	4698.9	4617.3	4507.8	4380.3	4290.9	4207.0	4148.9	4132.1	4124.3
10°	4723.5	4647.5	4522.3	4370.3	4188.0	4015.9	3853.7	3729.6	3631.3	3575.4	3593.2
12.5°	4621.8	4527.9	4332.2	4098.6	3844.8	3585.4	3373.0	3167.3	3008.5	2929.2	2905.7
15°	4532.4	4404.9	4132.1	3815.7	3478.1	3151.6	2844.2	2535.6	2334.4	2224.8	2194.6
17.5°	4456.3	4290.9	3920.8	3527.3	3123.7	2658.6	2280.7	1994.5	1857.0	1796.6	1792.2
20°	4381.4	4179.1	3711.8	3216.5	2714.5	2193.5	1855.9	1721.7	1672.5	1651.3	1650.2
22.5°	4314.4	4061.7	3491.5	2905.7	2307.5	1843.6	1658.0	1599.9	1586.4	1586.4	1584.2
25°	4257.3	3944.3	3265.7	2575.9	1939.7	1641.2	1555.1	1530.5	1536.1	1546.2	1547.3
27.5°	4233.9	3852.6	3047.7	2237.1	1685.9	1523.8	1484.7	1481.3	1497.0	1512.7	1514.9
30°	4258.5	3790.0	2824.1	1912.9	1533.9	1452.3	1434.4	1441.1	1460.1	1475.8	1475.8
32.5°	4334.5	3758.7	2596.0	1675.9	1445.6	1402.0	1396.4	1403.1	1417.6	1426.6	1427.7
35°	4463.0	3771.0	2360.1	1516.0	1388.6	1365.1	1364.0	1368.4	1374.0	1379.6	1380.7
37.5°	4625.2	3825.8	2107.4	1423.2	1351.7	1338.2	1336.0	1334.9	1336.0	1336.0	1337.1
40°	4783.9	3908.5	1881.6	1368.4	1325.9	1314.8	1309.2	1301.4	1300.2	1298.0	1296.9
42.5°	4901.3	3972.2	1701.6	1329.3	1302.5	1289.1	1282.3	1270.0	1268.9	1267.8	1266.7
45°	4989.6	4025.9	1551.8	1291.3	1277.9	1265.6	1251.0	1239.9	1242.1	1244.3	1244.3
47.5°	5089.1	4072.9	1442.2	1255.5	1247.7	1235.4	1217.5	1209.7	1217.5	1225.3	1225.3
50°	5209.9	4138.8	1352.8	1219.7	1216.4	1201.8	1186.2	1182.8	1191.8	1203.0	1203.0
52.5°	5298.2	4195.8	1289.1	1184.0	1184.0	1165.0	1151.5	1150.4	1160.5	1171.7	1172.8
55°	5463.7	4328.9	1266.7	1142.6	1138.1	1123.6	1113.5	1105.7	1118.0	1128.1	1128.1
57.5°	5650.4	4505.5	1272.3	1083.3	1077.8	1073.3	1065.5	1056.5	1059.9	1071.0	1072.2
60°	5254.6	4163.4	1210.8	1024.1	1020.7	1018.5	1008.4	992.8	997.3	1006.2	1007.3
62.5°	3670.4	2767.0	979.4	950.3	961.5	960.4	946.9	929.1	930.2	942.5	942.5
65°	1905.1	1497.0	859.7	883.2	900.0	893.3	870.9	855.3	853.0	868.7	865.3
67.5°	821.7	817.3	782.6	812.8	830.7	816.1	792.7	766.9	769.2	774.8	770.3
70°	661.9	682.0	696.5	728.9	743.5	716.6	690.9	676.4	664.1	663.0	655.1
72.5°	528.8	556.8	589.2	622.7	627.2	600.4	567.9	554.5	535.5	534.4	526.6
75°	398.0	421.5	447.2	474.0	474.0	448.3	427.1	420.4	398.0	391.3	384.6
77.5°	271.7	286.2	306.3	313.0	319.7	309.7	288.4	277.3	251.5	244.8	235.9
80°	171.1	181.1	193.4	197.9	204.6	192.3	175.5	163.2	145.3	139.7	135.3
82.5°	102.9	109.6	117.4	119.6	125.2	116.3	100.6	91.7	81.6	77.1	73.8
85°	52.5	55.9	60.4	61.5	60.4	51.4	45.8	41.4	34.7	33.5	31.3
87.5°	13.4	15.7	16.8	15.7	14.5	11.2	7.8	5.6	2.2	2.2	1.1
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)