

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: P633414

Luminaire Tested: GWS-SA2E-760-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633414
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-SA2E-760-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12328 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

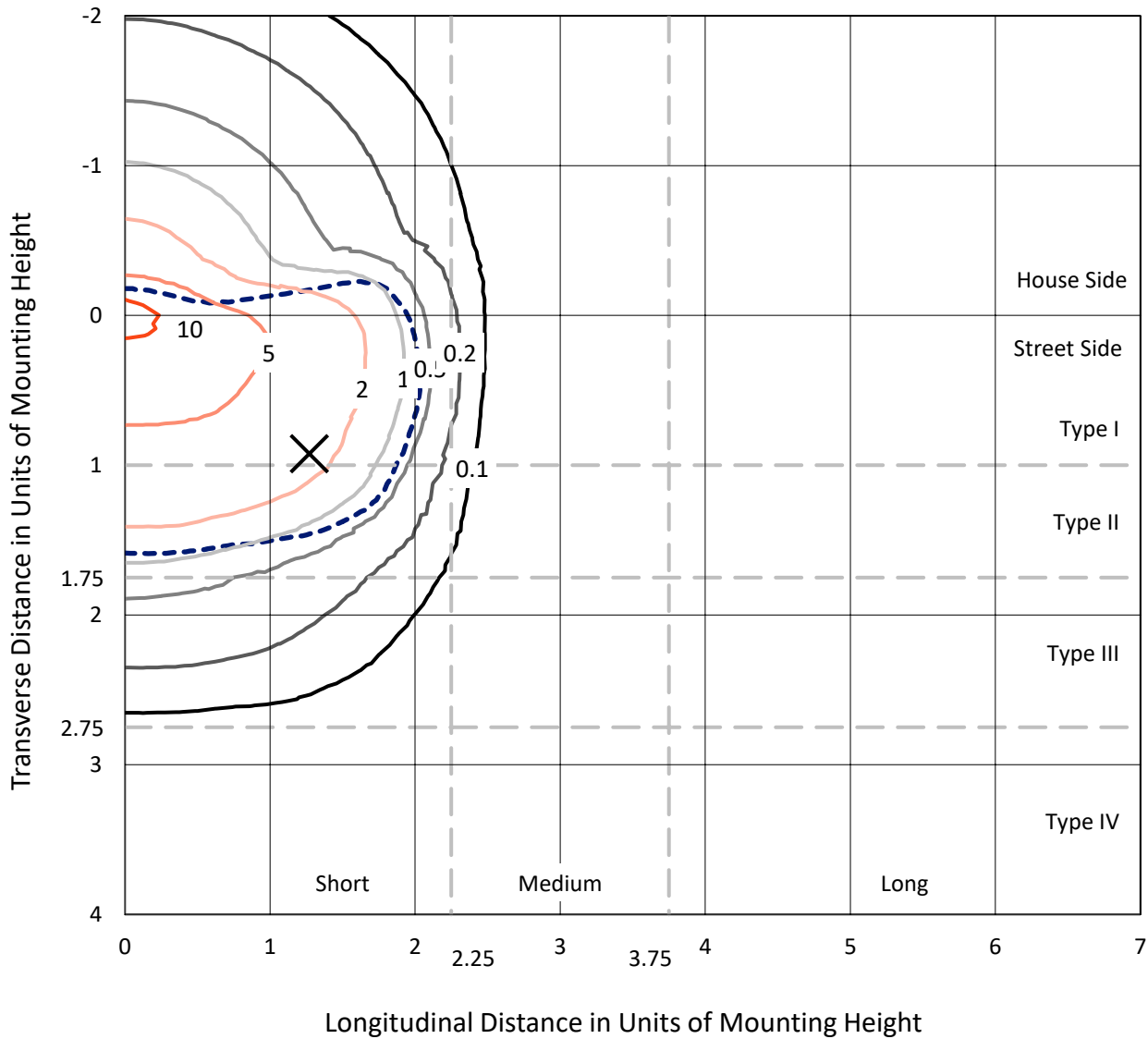
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

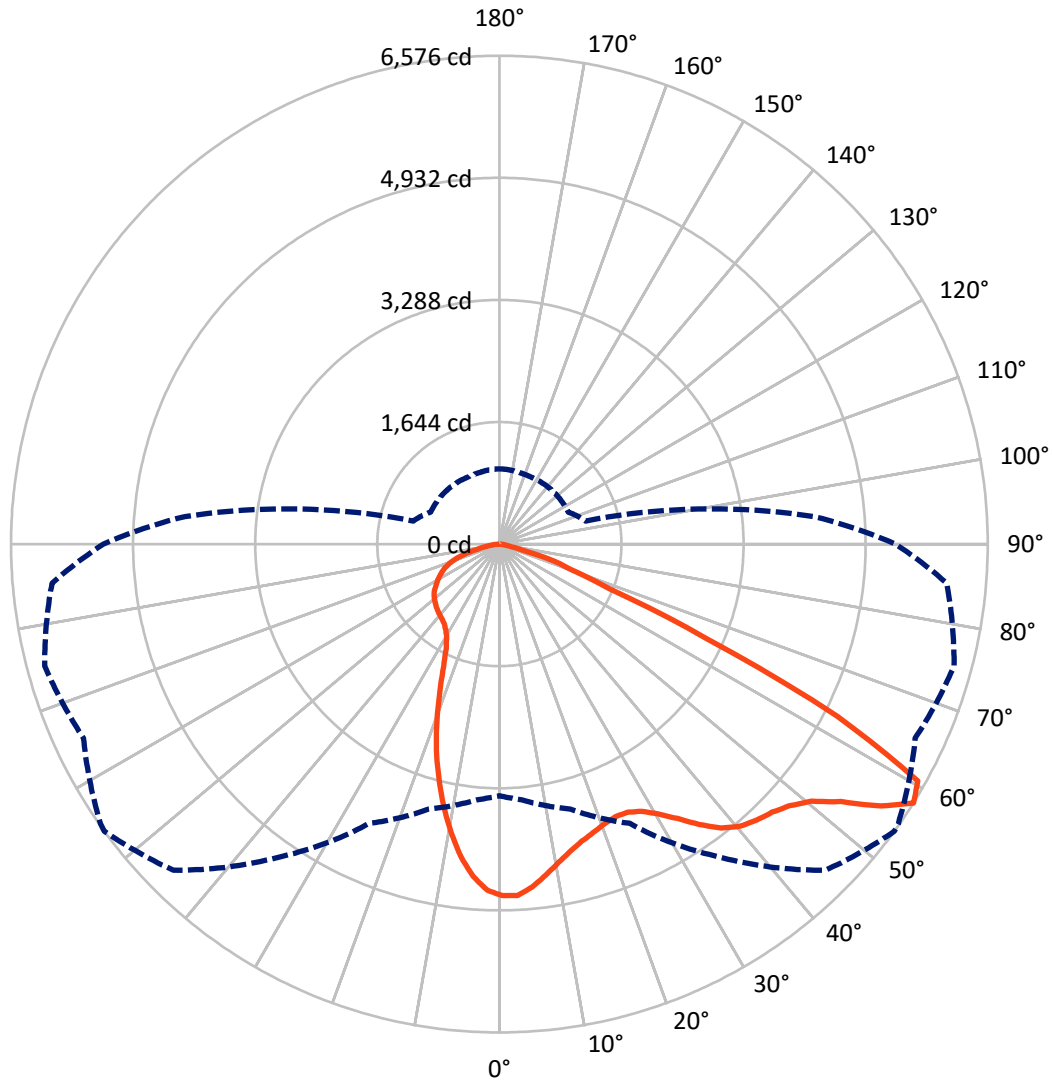
✕ Max cd
 - - - 1/2 Max cd



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

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CATALOG NUMBER: GWS-SA2E-760-U-SL3-W-GRSWH

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	3583.9	0.0	3583.9
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	8744.1	0.0	8744.1
	% Fixture	70.9	0.0	70.9
Total	Lumens	12328.0	0.0	12328.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	416.0	3.4
10°-20°	992.7	8.1
20°-30°	1373.7	11.1
30°-40°	1908.8	15.5
40°-50°	2521.0	20.4
50°-60°	2995.8	24.3
60°-70°	1659.7	13.5
70°-80°	413.3	3.4
80°-90°	47.0	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°	12328.0	100.0
0°-180°	12328.0	100.0

Coefficient of Utilization



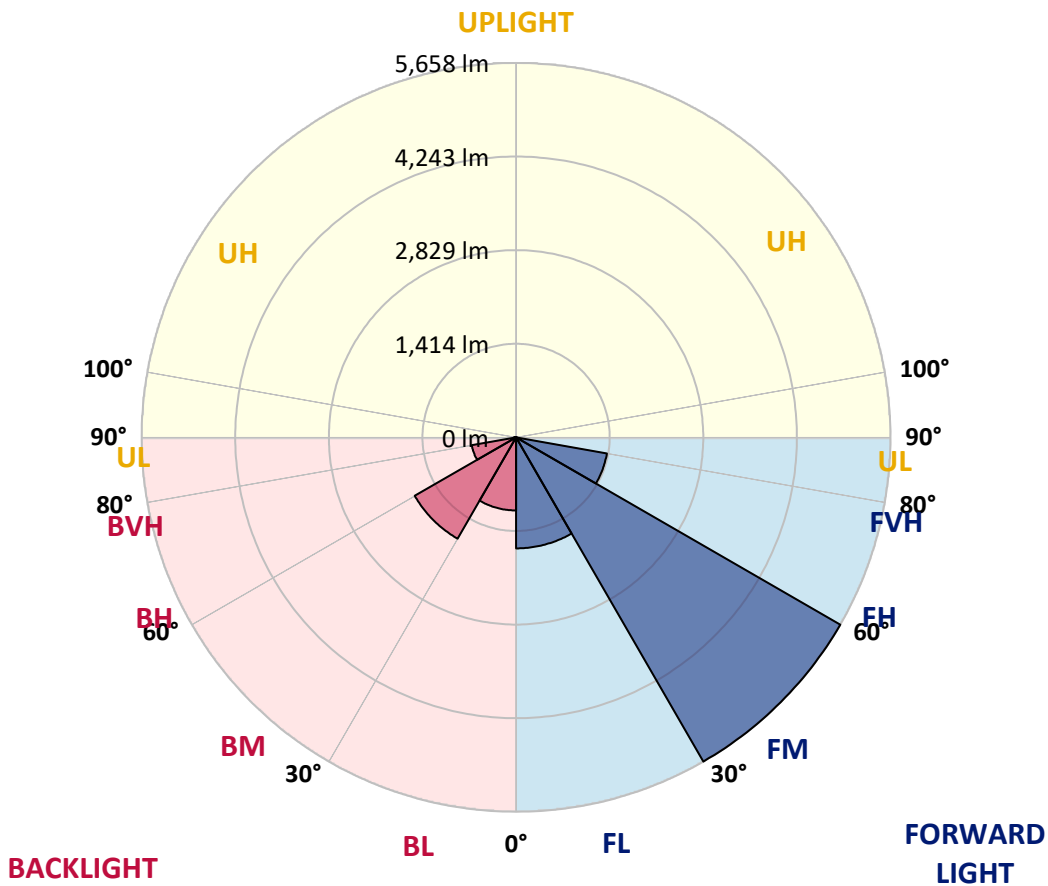
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1678.0	13.6			
FM (30°-60°)	5657.5	45.9			
FH (60°-80°)	1393.8	11.3			G1/1800
FVH (80°-90°)	14.7	0.1			G1/100
BL (0°-30°)	1104.4	9.0	B3/2500		
BM (30°-60°)	1768.0	14.3	B2/2500		
BH (60°-80°)	679.2	5.5	B2/1000		G2/1000
BVH (80°-90°)	32.3	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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CATALOG NUMBER: GWS-SA2E-760-U-SL3-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	4733.0	4733.0	4733.0	4733.0	4733.0	4733.0	4733.0	4733.0	4733.0	4733.0	4733.0
2.5°	4644.4	4653.9	4660.2	4682.3	4701.3	4718.2	4736.2	4736.2	4735.1	4731.9	4725.6
5°	4460.7	4471.3	4486.1	4516.7	4557.8	4587.4	4635.9	4640.1	4661.2	4669.7	4665.5
7.5°	4247.6	4250.7	4269.7	4309.8	4375.3	4428.0	4497.7	4506.1	4556.8	4586.3	4581.0
10°	4014.3	4003.8	4037.6	4096.7	4182.1	4270.8	4360.5	4367.9	4449.1	4505.1	4500.8
12.5°	3801.2	3802.2	3836.0	3907.8	4014.3	4124.1	4244.4	4261.3	4361.5	4433.3	4425.9
15°	3622.8	3627.0	3668.2	3749.5	3870.8	4001.7	4151.5	4167.4	4294.0	4389.0	4367.9
17.5°	3480.4	3484.6	3520.5	3613.3	3743.1	3901.4	4084.0	4099.8	4257.1	4370.0	4326.7
20°	3382.2	3380.1	3414.9	3503.6	3637.6	3809.6	4024.9	4048.1	4245.5	4377.4	4299.3
22.5°	3342.1	3341.1	3366.4	3439.2	3564.8	3738.9	3989.0	4020.7	4258.1	4410.1	4282.4
25°	3362.2	3357.9	3380.1	3433.9	3534.2	3711.5	3999.6	4033.3	4311.9	4477.6	4285.6
27.5°	3424.4	3419.2	3438.2	3486.7	3562.7	3740.0	4073.4	4112.5	4425.9	4601.1	4327.8
30°	3519.4	3516.2	3535.2	3581.7	3648.2	3834.9	4214.8	4259.2	4602.1	4793.2	4419.6
32.5°	3630.2	3624.9	3658.7	3712.5	3789.6	4008.0	4404.8	4462.8	4811.1	5040.1	4573.6
35°	3754.7	3750.5	3797.0	3875.0	3985.9	4248.6	4634.9	4698.2	5024.3	5319.7	4778.4
37.5°	3876.1	3876.1	3965.8	4081.9	4221.2	4510.3	4851.2	4891.3	5172.0	5567.7	4997.9
40°	3983.7	3990.1	4125.1	4299.3	4476.6	4746.7	4993.7	5027.4	5237.4	5738.7	5188.9
42.5°	4103.0	4108.3	4265.5	4493.4	4704.5	4937.7	5080.2	5097.1	5250.1	5824.2	5324.0
45°	4198.0	4205.4	4400.6	4644.4	4902.9	5081.2	5148.8	5163.6	5268.0	5870.6	5422.1
47.5°	4247.6	4258.1	4481.8	4765.7	5036.9	5210.0	5261.7	5268.0	5341.9	5951.9	5540.3
50°	4239.1	4260.2	4512.4	4825.9	5136.1	5339.8	5443.2	5453.8	5492.8	6071.1	5678.5
52.5°	4314.0	4323.5	4577.9	4897.6	5277.5	5579.3	5758.7	5773.5	5755.6	6160.8	5760.9
55°	4189.5	4234.9	4496.6	4887.1	5492.8	5949.8	6226.2	6218.9	5994.1	6261.1	5898.0
57.5°	3388.6	3455.0	3694.6	4148.4	5138.2	6209.4	6575.5	6557.6	6178.8	6338.1	6046.8
60°	2345.9	2356.5	2572.8	2894.7	3965.8	5485.4	6473.2	6512.2	6212.5	6241.0	5771.4
62.5°	1876.3	1873.1	1893.2	1901.6	2522.2	3856.0	5109.7	5252.2	5161.4	4862.8	4090.3
65°	1601.9	1613.5	1672.6	1642.0	1646.3	2171.8	3053.0	3073.0	3009.7	2902.1	2163.4
67.5°	1253.7	1273.7	1378.2	1497.5	1459.5	1398.3	1584.0	1574.5	1241.0	960.3	793.6
70°	785.1	797.8	909.7	1175.6	1270.6	1148.2	1018.4	1014.1	664.8	546.6	599.4
72.5°	458.0	460.1	491.8	655.3	843.2	785.1	749.3	721.8	427.4	435.8	478.0
75°	252.2	252.2	251.2	282.8	332.4	294.4	284.9	277.5	286.0	324.0	355.6
77.5°	52.8	53.8	57.0	74.9	97.1	118.2	148.8	149.9	186.8	216.3	241.7
80°	24.3	25.3	31.7	40.1	51.7	68.6	90.8	91.8	112.9	136.1	153.0
82.5°	12.7	13.7	16.9	21.1	27.4	35.9	50.7	50.7	67.5	80.2	90.8
85°	4.2	4.2	6.3	8.4	11.6	14.8	20.1	20.1	29.5	39.0	45.4
87.5°	0.0	0.0	0.0	0.0	1.1	2.1	4.2	4.2	5.3	6.3	10.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P633414

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4733.0	4733.0	4733.0	4733.0	4733.0	4733.0	4733.0	4733.0	4733.0	4733.0	4733.0
2.5°	4711.9	4679.2	4680.2	4686.6	4666.5	4635.9	4615.9	4590.5	4574.7	4571.5	4583.1
5°	4644.4	4606.4	4580.0	4552.5	4495.6	4428.0	4375.3	4332.0	4303.5	4292.9	4280.3
7.5°	4551.5	4501.9	4435.4	4358.4	4255.0	4134.6	4050.2	3971.1	3916.2	3900.4	3893.0
10°	4458.6	4386.9	4268.7	4125.1	3953.1	3790.6	3637.6	3520.5	3427.6	3374.8	3391.7
12.5°	4362.6	4273.9	4089.3	3868.7	3629.2	3384.3	3183.8	2989.7	2839.8	2764.9	2742.7
15°	4278.2	4157.9	3900.4	3601.7	3283.0	2974.9	2684.7	2393.4	2203.5	2100.0	2071.5
17.5°	4206.4	4050.2	3700.9	3329.5	2948.5	2509.5	2152.8	1882.6	1752.8	1695.9	1691.6
20°	4135.7	3944.7	3503.6	3036.1	2562.3	2070.5	1751.8	1625.2	1578.7	1558.7	1557.6
22.5°	4072.4	3833.9	3295.7	2742.7	2178.1	1740.2	1565.0	1510.1	1497.5	1497.5	1495.4
25°	4018.6	3723.1	3082.5	2431.4	1830.9	1549.2	1467.9	1444.7	1450.0	1459.5	1460.5
27.5°	3996.4	3636.5	2876.7	2111.6	1591.4	1438.4	1401.4	1398.3	1413.0	1427.8	1429.9
30°	4019.6	3577.5	2665.7	1805.6	1447.9	1370.8	1353.9	1360.3	1378.2	1393.0	1393.0
32.5°	4091.4	3547.9	2450.4	1581.9	1364.5	1323.3	1318.1	1324.4	1338.1	1346.6	1347.6
35°	4212.7	3559.5	2227.7	1431.0	1310.7	1288.5	1287.5	1291.7	1297.0	1302.2	1303.3
37.5°	4365.8	3611.2	1989.2	1343.4	1275.9	1263.2	1261.1	1260.0	1261.1	1261.1	1262.1
40°	4515.6	3689.3	1776.1	1291.7	1251.6	1241.0	1235.8	1228.4	1227.3	1225.2	1224.1
42.5°	4626.4	3749.5	1606.2	1254.7	1229.4	1216.8	1210.4	1198.8	1197.8	1196.7	1195.6
45°	4709.8	3800.1	1464.7	1218.9	1206.2	1194.6	1180.9	1170.3	1172.4	1174.5	1174.5
47.5°	4803.7	3844.4	1361.3	1185.1	1177.7	1166.1	1149.2	1141.8	1149.2	1156.6	1156.6
50°	4917.7	3906.7	1276.9	1151.3	1148.2	1134.4	1119.7	1116.5	1124.9	1135.5	1135.5
52.5°	5001.0	3960.5	1216.8	1117.6	1117.6	1099.6	1087.0	1085.9	1095.4	1105.9	1107.0
55°	5157.2	4086.1	1195.6	1078.5	1074.3	1060.6	1051.1	1043.7	1055.3	1064.8	1064.8
57.5°	5333.5	4252.8	1200.9	1022.6	1017.3	1013.1	1005.7	997.3	1000.4	1011.0	1012.0
60°	4959.9	3929.9	1142.9	966.7	963.5	961.4	951.9	937.1	941.3	949.8	950.8
62.5°	3464.5	2611.9	924.4	897.0	907.6	906.5	893.8	877.0	878.0	889.6	889.6
65°	1798.2	1413.0	811.5	833.7	849.5	843.2	822.1	807.3	805.2	820.0	816.8
67.5°	775.6	771.4	738.7	767.2	784.1	770.4	748.2	723.9	726.0	731.3	727.1
70°	624.7	643.7	657.4	688.1	701.8	676.4	652.2	638.5	626.8	625.8	618.4
72.5°	499.2	525.5	556.1	587.8	592.0	566.7	536.1	523.4	505.5	504.4	497.0
75°	375.7	397.8	422.1	447.4	447.4	423.2	403.1	396.8	375.7	369.4	363.0
77.5°	256.4	270.2	289.2	295.5	301.8	292.3	272.3	261.7	237.4	231.1	222.7
80°	161.5	171.0	182.6	186.8	193.1	181.5	165.7	154.1	137.2	131.9	127.7
82.5°	97.1	103.4	110.8	112.9	118.2	109.8	95.0	86.5	77.0	72.8	69.6
85°	49.6	52.8	57.0	58.0	57.0	48.5	43.3	39.0	32.7	31.7	29.5
87.5°	12.7	14.8	15.8	14.8	13.7	10.6	7.4	5.3	2.1	2.1	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)