

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: P642491

Luminaire Tested: GWS-SA6D-722-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642491
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-722-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25853.6 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 245.7
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

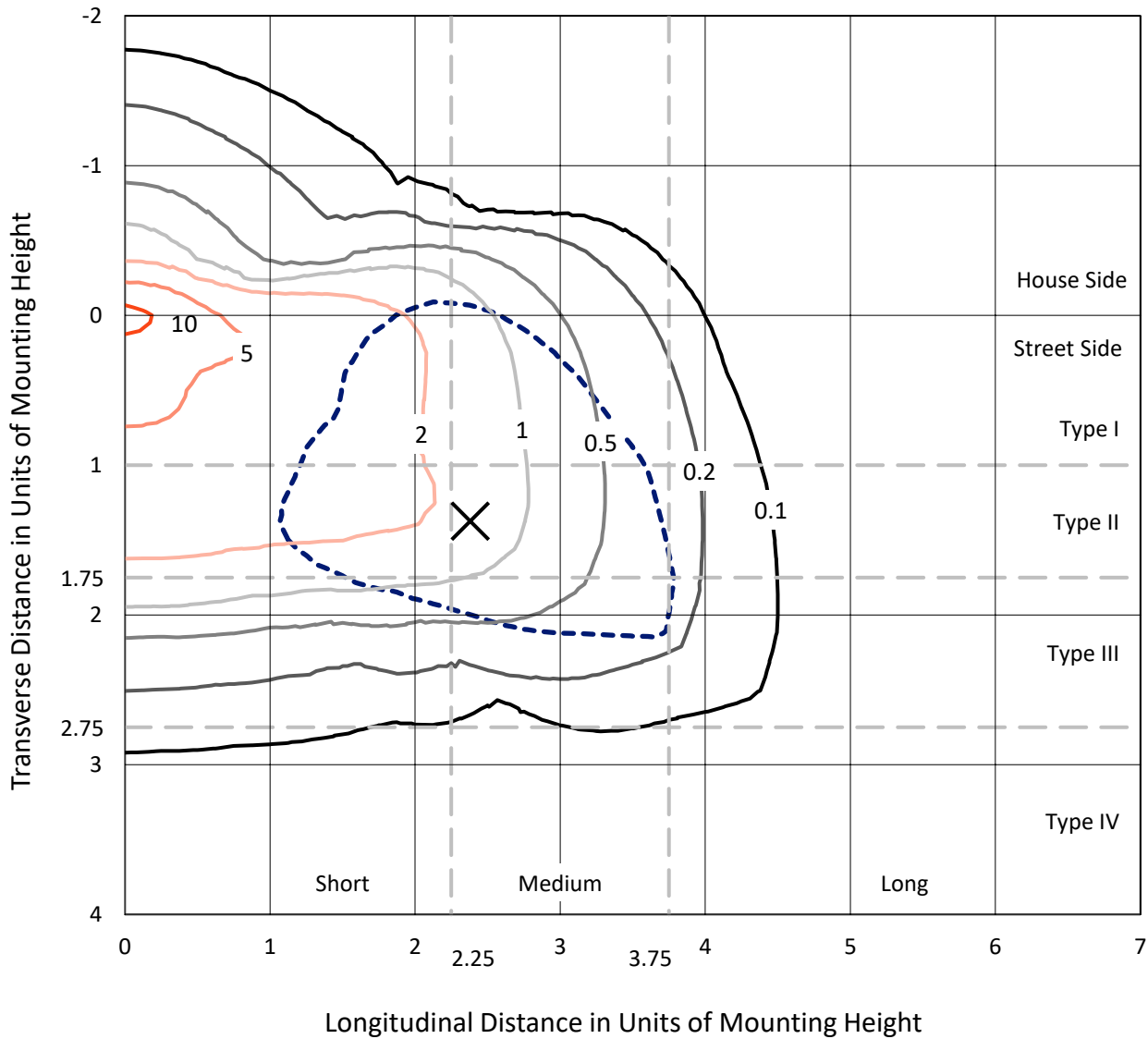


REPORT NUMBER: P642491

CATALOG NUMBER: GWS-SA6D-722-U-SL3-W

Iso-Footcandle Lines of Horizontal Illumination

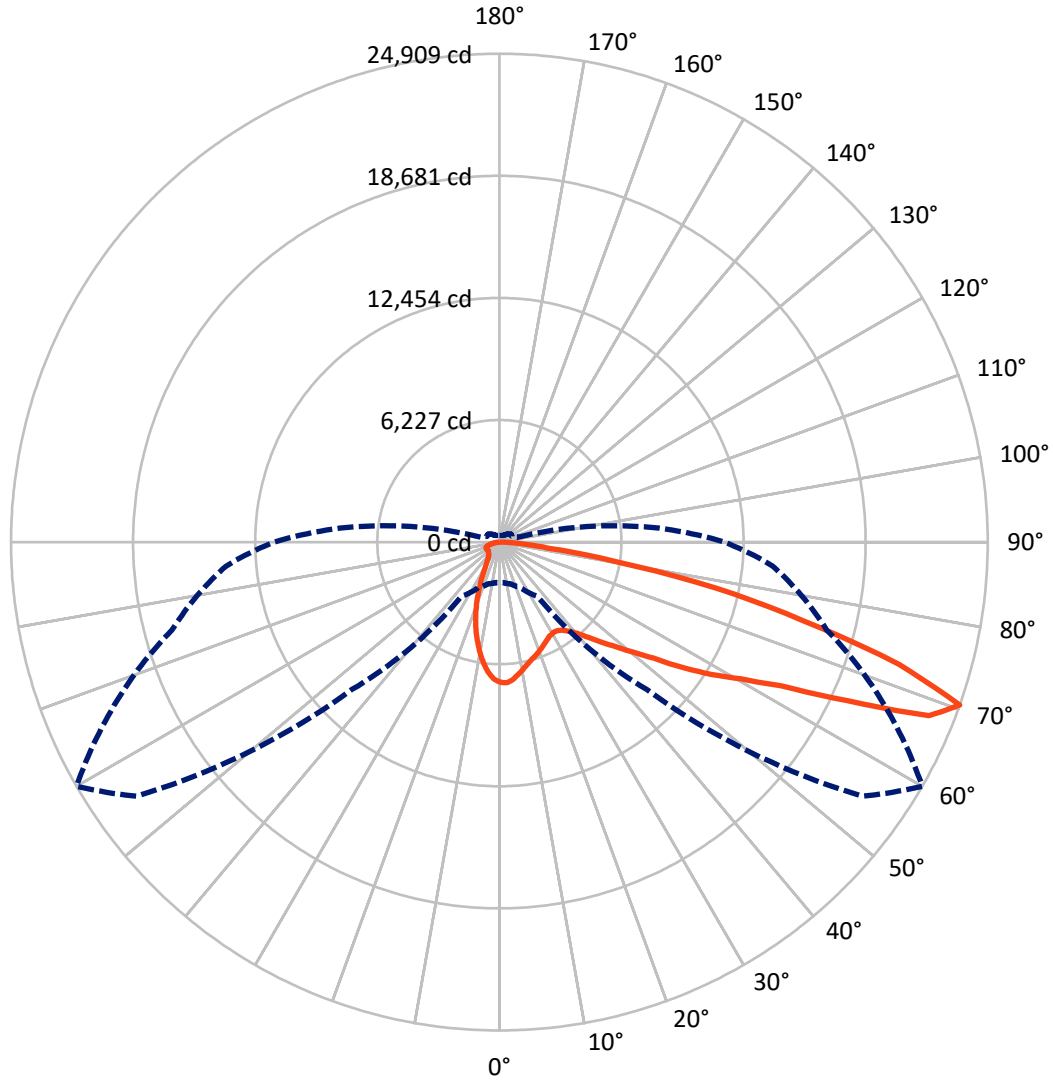
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 fc
 Type III - Medium - N/A

REPORT NUMBER: P642491
CATALOG NUMBER: GWS-SA6D-722-U-SL3-W

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P642491

CATALOG NUMBER: GWS-SA6D-722-U-SL3-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4421.6	0.0	4421.6
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	21432.0	0.0	21432.0
	% Fixture	82.9	0.0	82.9
Total	Lumens	25853.6	0.0	25853.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	616.6	2.4
10°-20°	1381.5	5.3
20°-30°	1769.2	6.8
30°-40°	2325.2	9.0
40°-50°	3373.5	13.0
50°-60°	5263.4	20.4
60°-70°	6890.9	26.7
70°-80°	3810.4	14.7
80°-90°	422.9	1.6
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°	25853.6	100.0
0°-180°	25853.6	100.0

Coefficient of Utilization



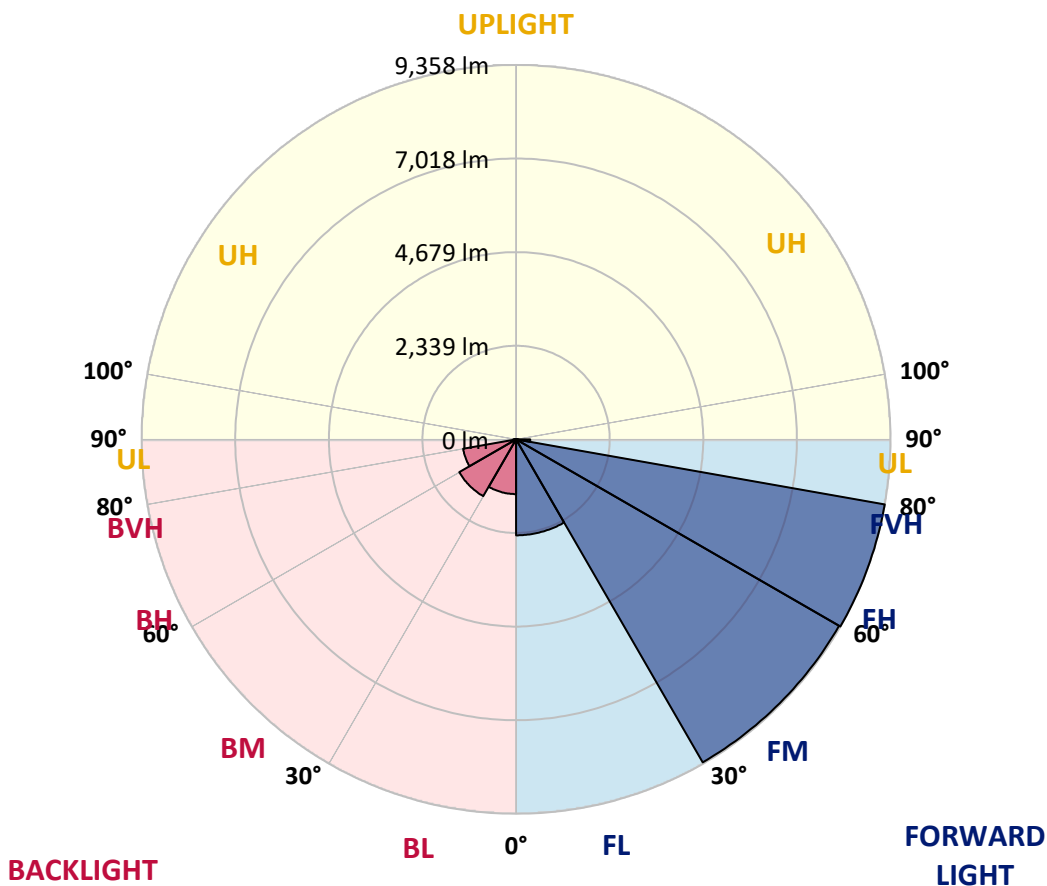
REPORT NUMBER: P642491

CATALOG NUMBER: GWS-SA6D-722-U-SL3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2399.4	9.3			
FM (30°-60°)	9322.7	36.1			
FH (60°-80°)	9357.6	36.2			G4/12000
FVH (80°-90°)	352.4	1.4			G3/500
BL (0°-30°)	1368.0	5.3	B3/2500		
BM (30°-60°)	1639.4	6.3	B2/2500		
BH (60°-80°)	1343.7	5.2	B3/2500		G3/2500
BVH (80°-90°)	70.5	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-G4
 Type III Medium





REPORT NUMBER: P642491
 CATALOG NUMBER: GWS-SA6D-722-U-SL3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	7154.0	7154.0	7154.0	7154.0	7154.0	7154.0	7154.0	7154.0	7154.0	7154.0	7154.0
2.5°	7053.8	7061.3	7082.1	7112.4	7142.7	7157.8	7195.6	7184.3	7176.7	7161.6	7142.7
5°	6741.7	6756.8	6775.7	6834.3	6900.6	6953.5	7038.6	7048.1	7051.9	7059.4	7029.2
7.5°	6344.4	6348.2	6393.6	6471.2	6558.2	6649.0	6790.8	6830.6	6864.6	6902.4	6877.9
10°	5905.6	5915.0	5949.1	6060.7	6210.1	6344.4	6535.5	6601.7	6673.6	6756.8	6722.7
12.5°	5546.2	5548.1	5602.9	5722.1	5884.8	6066.4	6304.7	6384.1	6478.7	6609.2	6579.0
15°	5260.5	5260.5	5311.6	5413.8	5601.0	5814.8	6098.5	6200.7	6329.3	6505.2	6452.2
17.5°	5033.5	5035.4	5067.6	5175.4	5341.9	5578.3	5915.0	6053.1	6195.0	6427.7	6348.2
20°	4914.4	4904.9	4910.6	4976.8	5118.7	5347.5	5731.5	5892.3	6083.4	6374.7	6253.6
22.5°	4908.7	4891.7	4867.1	4872.8	4956.0	5145.1	5534.8	5729.7	5969.9	6331.2	6157.2
25°	5005.2	4986.3	4942.7	4893.6	4886.0	4999.5	5349.4	5570.8	5852.6	6312.3	6064.5
27.5°	5167.8	5154.6	5097.9	5024.1	4946.5	4942.7	5209.5	5440.2	5767.5	6331.2	5998.3
30°	5383.5	5360.8	5324.8	5230.3	5113.0	4991.9	5154.6	5370.2	5710.7	6391.7	5969.9
32.5°	5627.5	5614.3	5580.2	5485.6	5360.8	5167.8	5198.1	5385.4	5710.7	6497.6	5975.6
35°	5886.7	5884.8	5884.8	5822.3	5684.3	5444.0	5370.2	5514.0	5797.7	6667.9	6036.1
37.5°	6138.2	6136.3	6196.9	6219.6	6062.6	5803.4	5663.4	5771.3	5988.8	6919.5	6185.5
40°	6342.5	6350.1	6482.5	6596.0	6509.0	6268.8	6072.0	6126.9	6299.0	7277.0	6446.6
42.5°	6548.7	6569.5	6768.1	6968.6	7002.7	6794.6	6596.0	6628.2	6743.5	7749.9	6836.2
45°	6773.8	6783.3	7061.3	7341.3	7505.9	7382.9	7220.2	7263.7	7290.2	8334.4	7417.0
47.5°	6991.3	7015.9	7375.3	7759.3	8071.5	8060.1	7969.3	7956.1	7961.7	9045.6	8103.6
50°	7288.3	7324.3	7746.1	8209.5	8667.3	8877.3	8903.8	8803.5	8761.9	9836.3	8958.6
52.5°	7852.0	7852.0	8230.3	8686.2	9301.0	9821.2	9999.0	9834.4	9702.0	10672.4	9866.6
55°	8557.6	8587.9	8888.6	9257.5	10036.8	10814.3	11415.8	11234.2	10859.7	11582.3	10818.1
57.5°	8871.6	8909.4	9386.1	9959.3	10999.6	11943.6	12777.7	12713.4	12166.8	12528.1	11805.5
60°	8304.1	8383.6	9039.9	10000.9	11871.7	13765.2	14353.4	14166.2	13385.0	13521.1	12876.1
62.5°	6927.0	7014.0	7742.3	9083.5	11750.6	15734.3	16837.1	16146.7	14905.8	14775.3	14302.4
65°	4133.1	4129.4	5005.2	6783.3	10258.1	16281.0	20767.9	19479.7	17255.2	16496.6	15770.3
67.5°	2627.4	2621.8	2805.2	3594.0	6826.8	14941.7	23295.0	23629.8	20446.3	17762.1	15891.3
70°	2073.2	2071.3	2203.7	2563.1	3376.5	10632.7	22591.4	24908.6	22373.8	17279.8	13992.2
72.5°	1511.4	1515.2	1719.5	2147.0	2604.7	5338.1	18293.6	21312.6	20578.7	15253.9	11359.0
75°	1085.8	1091.5	1214.4	1643.8	2402.3	2918.7	12164.9	16025.6	15656.8	12227.3	7814.2
77.5°	690.4	698.0	805.8	1152.0	1940.8	2356.9	7375.3	11313.7	10417.0	6889.2	2778.8
80°	421.8	446.4	537.2	858.8	1551.1	1768.6	3686.7	5960.4	5217.0	1889.7	934.4
82.5°	217.5	236.4	323.5	531.5	1068.8	1553.0	2086.4	2504.5	1615.4	790.7	497.5
85°	68.1	79.4	113.5	215.6	508.8	962.8	1380.9	1244.7	741.5	372.6	230.8
87.5°	17.0	17.0	18.9	18.9	20.8	43.5	266.7	281.8	196.7	117.3	94.6
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: P642491
 CATALOG NUMBER: GWS-SA6D-722-U-SL3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7154.0	7154.0	7154.0	7154.0	7154.0	7154.0	7154.0	7154.0	7154.0	7154.0	7154.0
2.5°	7104.8	7059.4	7040.5	7038.6	6991.3	6923.3	6877.9	6845.7	6826.8	6823.0	6823.0
5°	6978.1	6919.5	6841.9	6783.3	6656.5	6527.9	6420.1	6359.6	6289.6	6280.1	6278.2
7.5°	6809.8	6724.6	6577.1	6412.5	6191.2	5977.5	5795.9	5672.9	5550.0	5527.3	5519.7
10°	6628.2	6512.8	6261.2	5971.8	5640.7	5321.1	5043.0	4825.5	4681.7	4579.6	4560.6
12.5°	6448.5	6295.2	5926.4	5495.1	5041.1	4604.2	4186.1	3830.5	3573.2	3423.8	3397.3
15°	6280.1	6066.4	5561.3	5010.8	4420.7	3822.9	3230.9	2769.3	2408.0	2279.4	2249.1
17.5°	6126.9	5860.2	5207.6	4509.6	3773.7	2992.5	2319.1	1908.6	1696.8	1632.4	1617.3
20°	5973.7	5648.3	4848.2	3981.8	3087.1	2211.3	1694.9	1501.9	1422.5	1397.9	1390.3
22.5°	5809.1	5415.6	4456.6	3461.6	2392.9	1655.1	1386.5	1301.4	1276.8	1278.7	1276.8
25°	5644.5	5179.2	4046.1	2896.0	1781.9	1343.0	1210.6	1178.5	1184.1	1201.2	1204.9
27.5°	5508.3	4969.2	3643.2	2275.6	1392.2	1155.8	1093.3	1091.5	1112.3	1135.0	1138.7
30°	5410.0	4782.0	3246.0	1749.7	1146.3	1027.1	1002.5	1013.9	1038.5	1055.5	1061.2
32.5°	5340.0	4621.2	2822.3	1375.2	1004.4	936.3	925.0	936.3	951.5	968.5	972.3
35°	5315.4	4503.9	2406.1	1121.7	908.0	870.1	862.6	868.2	875.8	885.3	889.1
37.5°	5370.2	4445.3	1971.0	976.1	849.3	826.6	815.3	811.5	813.4	817.2	819.1
40°	5532.9	4471.7	1615.4	890.9	811.5	790.7	771.8	764.2	762.3	766.1	764.2
42.5°	5812.9	4583.3	1358.2	841.8	781.2	751.0	730.2	722.6	722.6	732.0	732.0
45°	6223.4	4802.8	1172.8	805.8	754.7	716.9	694.2	690.4	698.0	713.1	715.0
47.5°	6824.9	5124.3	1061.2	779.3	730.2	686.7	664.0	662.1	677.2	701.8	703.7
50°	7538.0	5587.8	1000.7	760.4	713.1	662.1	639.4	641.3	658.3	684.8	690.4
52.5°	8396.8	6219.6	1004.4	752.9	703.7	646.9	624.2	620.4	637.5	664.0	669.6
55°	9284.0	6987.6	1078.2	754.7	690.4	639.4	609.1	595.9	611.0	629.9	631.8
57.5°	10260.0	7853.9	1261.7	751.0	673.4	631.8	595.9	565.6	575.0	586.4	592.1
60°	11360.9	8873.5	1657.0	758.5	665.8	614.8	569.4	529.6	527.8	535.3	537.2
62.5°	12832.6	10260.0	2101.6	771.8	682.9	594.0	529.6	488.0	480.5	484.2	486.1
65°	13958.1	10922.1	1961.6	760.4	718.8	578.8	491.8	448.3	433.2	429.4	429.4
67.5°	13500.3	10046.3	1365.7	730.2	735.8	580.7	461.6	406.7	387.8	378.3	376.4
70°	11487.7	8160.4	949.6	699.9	716.9	576.9	429.4	372.6	348.1	334.8	332.9
72.5°	9075.9	6230.9	768.0	639.4	650.7	520.2	382.1	334.8	314.0	297.0	297.0
75°	5841.3	3802.1	641.3	569.4	531.5	404.8	331.0	298.9	278.1	261.0	261.0
77.5°	1965.4	1411.1	497.5	482.4	397.2	304.5	278.1	257.3	240.2	225.1	223.2
80°	798.3	669.6	365.1	365.1	278.1	232.7	217.5	208.1	196.7	177.8	177.8
82.5°	463.4	406.7	255.4	221.3	185.4	160.8	151.3	141.9	141.9	128.6	128.6
85°	223.2	225.1	153.2	136.2	105.9	92.7	88.9	83.2	81.3	73.8	71.9
87.5°	121.1	123.0	77.6	60.5	41.6	35.9	30.3	28.4	26.5	24.6	24.6
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)