

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: P642011

Luminaire Tested: GWS-SA6C-722-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642011
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-722-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20751.2 lumens
Efficiency: N/A
Efficacy: 109.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

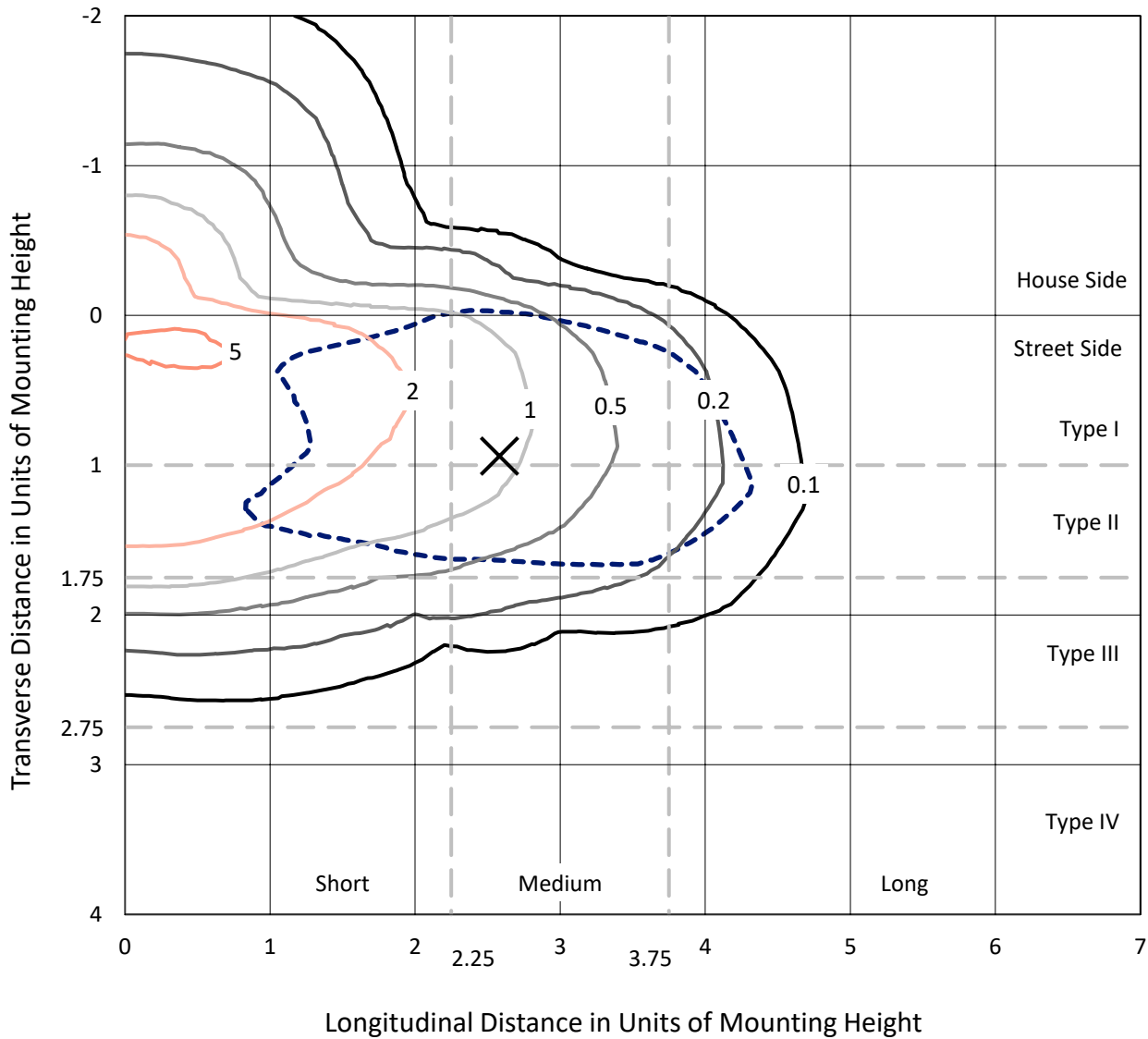
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642011
 CATALOG NUMBER: GWS-SA6C-722-U-T2-W

Iso-Footcandle Lines of Horizontal Illumination

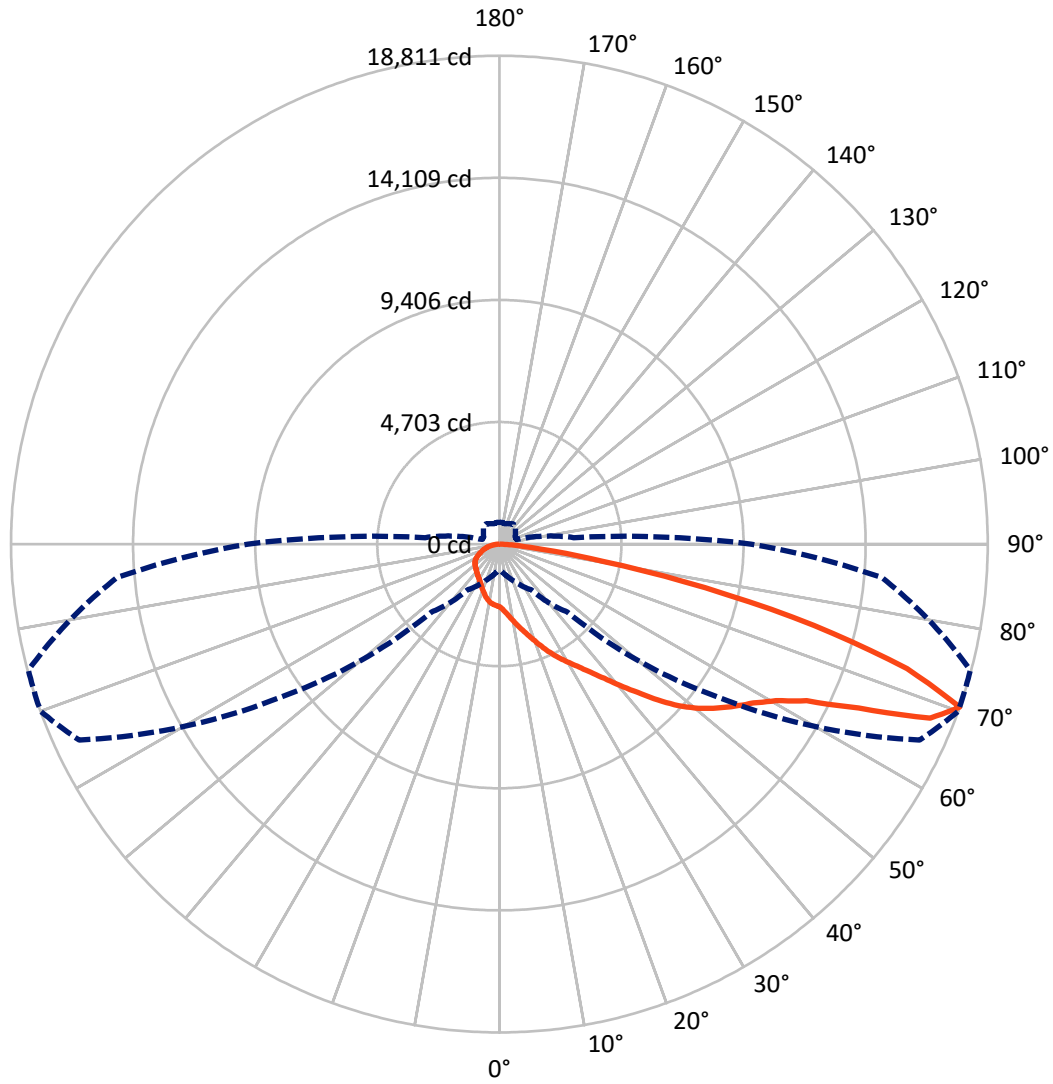
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type II - Medium - N/A

REPORT NUMBER: P642011
CATALOG NUMBER: GWS-SA6C-722-U-T2-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P642011

CATALOG NUMBER: GWS-SA6C-722-U-T2-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3718.7	0.0	3718.7
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	17032.5	0.0	17032.5
	% Fixture	82.1	0.0	82.1
Total	Lumens	20751.2	0.0	20751.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.0	1.2
10°-20°	800.1	3.9
20°-30°	1417.5	6.8
30°-40°	2133.3	10.3
40°-50°	3227.4	15.6
50°-60°	4623.5	22.3
60°-70°	5110.8	24.6
70°-80°	2884.1	13.9
80°-90°	308.5	1.5
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°	20751.2	100.0
0°-180°	20751.2	100.0

Coefficient of Utilization



REPORT NUMBER: P642011

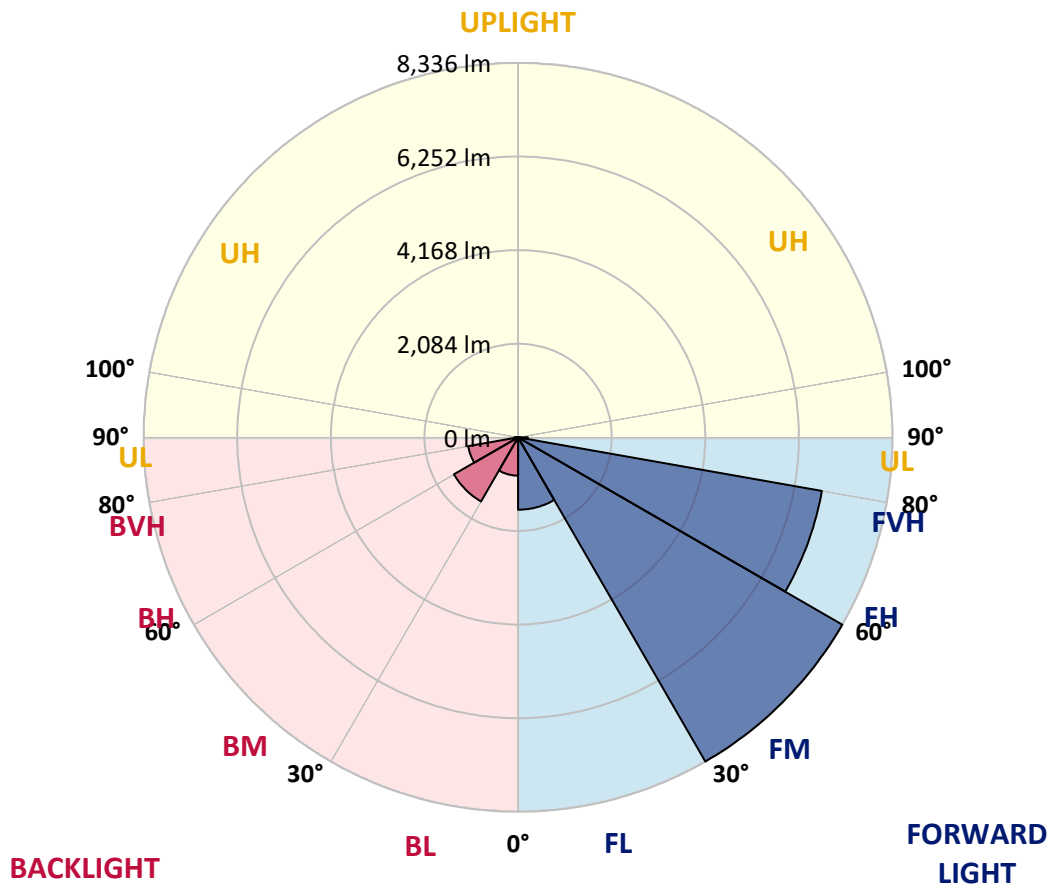
CATALOG NUMBER: GWS-SA6C-722-U-T2-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1610.9	7.8			
FM (30°-60°)	8335.7	40.2			
FH (60°-80°)	6867.8	33.1			G3/7500
FVH (80°-90°)	218.1	1.1			G2/225
BL (0°-30°)	852.6	4.1	B2/1000		
BM (30°-60°)	1648.5	7.9	B2/2500		
BH (60°-80°)	1127.1	5.4	B3/2500		G3/2500
BVH (80°-90°)	90.4	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium





REPORT NUMBER: P642011
 CATALOG NUMBER: GWS-SA6C-722-U-T2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	2420.0	2420.0	2420.0	2420.0	2420.0	2420.0	2420.0	2420.0	2420.0	2420.0	2420.0
2.5°	2680.9	2676.4	2679.4	2676.4	2659.9	2619.4	2586.5	2544.5	2516.0	2499.5	2460.5
5°	2995.8	2991.3	2980.8	2965.8	2935.8	2880.3	2797.9	2706.4	2650.9	2608.9	2526.5
7.5°	3222.2	3222.2	3220.7	3202.7	3181.7	3123.2	3025.8	2905.8	2824.9	2752.9	2617.9
10°	3337.6	3345.1	3355.6	3381.1	3376.6	3345.1	3253.7	3124.7	3022.8	2938.8	2737.9
12.5°	3400.6	3405.1	3423.1	3475.6	3529.6	3537.1	3483.1	3348.1	3237.2	3124.7	2871.3
15°	3481.6	3483.1	3507.1	3570.1	3649.5	3729.0	3715.5	3580.5	3466.6	3342.1	3019.8
17.5°	3544.6	3555.1	3598.5	3672.0	3771.0	3880.4	3946.4	3862.4	3721.5	3579.1	3181.7
20°	3567.1	3574.6	3631.5	3744.0	3878.9	4033.4	4180.3	4157.8	4015.4	3847.4	3364.6
22.5°	3648.0	3648.0	3690.0	3784.5	3943.4	4168.3	4406.7	4465.2	4339.2	4142.8	3561.1
25°	3826.4	3820.5	3839.9	3878.9	3998.9	4276.3	4630.1	4805.6	4664.6	4444.2	3757.5
27.5°	4070.9	4067.9	4066.4	4072.4	4112.8	4370.7	4819.0	5123.4	4982.5	4733.6	3932.9
30°	4336.2	4327.2	4346.7	4328.7	4319.8	4483.2	4979.5	5408.3	5298.9	5020.0	4078.3
32.5°	4697.6	4681.1	4676.6	4618.1	4582.1	4658.6	5108.4	5732.2	5645.2	5328.8	4241.8
35°	5174.4	5159.4	5082.9	4990.0	4883.5	4919.5	5268.9	6048.5	6054.5	5715.7	4456.2
37.5°	5655.7	5658.7	5598.7	5379.8	5270.4	5249.4	5513.3	6433.9	6562.8	6177.5	4733.6
40°	6056.0	6074.0	6074.0	5843.1	5679.7	5660.2	5856.6	6891.2	7147.6	6744.3	5084.4
42.5°	6360.4	6376.9	6429.4	6263.0	6090.5	6158.0	6273.5	7350.0	7810.3	7444.5	5528.3
45°	6694.8	6708.3	6736.8	6640.8	6540.4	6720.3	6745.8	7898.8	8569.0	8230.2	6044.1
47.5°	7138.6	7126.6	7129.6	7059.1	6981.2	7272.1	7266.1	8360.6	9302.2	9090.8	6603.3
50°	7690.4	7712.9	7691.9	7552.4	7461.0	7726.4	7760.9	8871.9	9947.0	9942.5	7167.1
52.5°	8221.2	8230.2	8341.1	8347.1	8159.7	8104.2	8194.2	9387.7	10491.2	10722.2	7708.4
55°	8248.2	8282.6	8615.5	8855.4	9158.3	8713.0	8632.0	9879.5	11017.5	11485.3	8270.6
57.5°	7673.9	7729.4	8294.6	8811.9	9654.6	9758.0	9381.7	10515.2	11543.8	12236.5	8921.4
60°	6447.4	6562.8	7330.5	8122.2	9431.2	10509.2	10915.6	11378.9	12235.0	13004.2	9711.6
62.5°	4117.3	4162.3	5238.9	6564.3	8425.1	10435.8	12585.9	12900.8	13287.6	14004.3	10929.1
65°	2061.7	2205.6	2836.9	3917.9	6075.5	9195.8	13430.1	15688.1	15214.3	15716.6	12902.3
67.5°	1398.9	1445.4	1764.8	2354.0	3562.6	6514.9	12906.8	18036.2	17896.7	17979.2	15005.9
70°	1031.6	1061.6	1313.5	1667.3	2154.6	3699.0	10275.3	17859.3	18811.4	18781.4	14785.5
72.5°	752.7	767.7	958.1	1273.0	1596.9	1913.2	6275.0	14427.2	16421.3	17286.5	12930.8
75°	547.3	565.3	665.7	952.1	1241.5	1193.5	3097.7	10420.8	12522.9	14187.3	10534.7
77.5°	407.8	430.3	476.8	596.8	869.6	854.7	1339.0	6766.8	8099.7	9266.2	6399.4
80°	293.9	298.4	325.4	382.3	551.8	500.8	637.2	3528.1	4045.4	4432.2	2508.5
82.5°	178.4	182.9	217.4	235.4	341.9	314.9	331.4	1142.5	1637.3	1737.8	937.1
85°	52.5	55.5	99.0	108.0	142.4	134.9	133.4	464.8	554.8	709.2	368.9
87.5°	0.0	0.0	0.0	0.0	1.5	9.0	16.5	82.5	124.4	172.4	90.0
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: P642011
 CATALOG NUMBER: GWS-SA6C-722-U-T2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2420.0	2420.0	2420.0	2420.0	2420.0	2420.0	2420.0	2420.0	2420.0	2420.0	2420.0
2.5°	2445.5	2411.0	2393.0	2361.5	2339.1	2316.6	2294.1	2273.1	2264.1	2250.6	2253.6
5°	2489.0	2435.0	2381.0	2319.6	2267.1	2223.6	2184.6	2150.1	2135.1	2121.6	2127.6
7.5°	2555.0	2474.0	2370.5	2258.1	2175.6	2115.6	2075.2	2051.2	2043.7	2033.2	2033.2
10°	2638.9	2517.5	2336.1	2175.6	2076.7	2028.7	2010.7	2009.2	2016.7	2018.2	2015.2
12.5°	2731.9	2559.5	2285.1	2078.2	1994.2	1979.2	1992.7	2018.2	2043.7	2057.2	2054.2
15°	2827.9	2586.5	2198.1	1985.2	1934.2	1953.7	1997.2	2048.2	2097.7	2123.1	2121.6
17.5°	2917.8	2592.4	2085.7	1895.2	1881.7	1931.2	2006.2	2085.7	2153.1	2189.1	2190.6
20°	3018.3	2582.0	1970.2	1814.3	1829.3	1910.2	2009.2	2105.1	2184.6	2220.6	2229.6
22.5°	3109.7	2546.0	1857.7	1737.8	1784.3	1884.7	1985.2	2075.2	2145.6	2180.1	2192.1
25°	3192.2	2477.0	1734.8	1673.3	1749.8	1848.8	1925.2	1988.2	2037.7	2058.7	2075.2
27.5°	3237.2	2373.5	1641.8	1622.3	1716.8	1797.8	1839.8	1859.2	1875.7	1869.7	1881.7
30°	3246.2	2244.6	1560.9	1581.9	1667.3	1727.3	1736.3	1716.8	1688.3	1641.8	1652.3
32.5°	3237.2	2096.2	1493.4	1538.4	1611.8	1647.8	1635.8	1584.9	1515.9	1443.9	1448.4
35°	3240.2	1946.2	1437.9	1490.4	1547.4	1566.9	1536.9	1466.4	1392.9	1327.0	1324.0
37.5°	3273.2	1820.3	1391.4	1443.9	1484.4	1487.4	1454.4	1380.9	1343.5	1294.0	1288.0
40°	3364.6	1727.3	1349.5	1397.4	1422.9	1421.4	1383.9	1331.5	1357.0	1340.5	1336.0
42.5°	3514.6	1670.3	1315.0	1348.0	1365.9	1368.9	1339.0	1306.0	1361.4	1340.5	1333.0
45°	3756.0	1667.3	1291.0	1298.5	1327.0	1348.0	1327.0	1289.5	1310.5	1208.5	1189.0
47.5°	4042.4	1718.3	1273.0	1255.0	1304.5	1342.0	1309.0	1249.0	1205.5	1112.5	1099.1
50°	4387.2	1821.8	1256.5	1208.5	1271.5	1319.5	1286.5	1204.0	1138.0	1088.6	1081.1
52.5°	4796.6	1958.2	1235.5	1156.0	1222.0	1307.5	1286.5	1199.5	1112.5	1067.6	1060.1
55°	5225.4	2115.6	1211.5	1093.1	1166.5	1310.5	1297.0	1168.0	1093.1	1069.1	1063.1
57.5°	5757.7	2304.6	1168.0	1019.6	1117.0	1283.5	1255.0	1150.0	1079.6	1060.1	1054.1
60°	6448.9	2585.0	1085.6	944.6	1060.1	1235.5	1217.5	1120.0	1043.6	1027.1	1022.6
62.5°	7543.4	3060.3	985.1	872.6	992.6	1135.0	1162.0	1063.1	998.6	997.1	995.6
65°	9327.7	3631.5	866.6	808.2	922.1	1052.6	1088.6	1004.6	952.1	968.6	967.1
67.5°	10578.2	3681.0	769.2	740.7	839.7	962.6	1015.1	944.6	887.6	919.1	917.6
70°	9689.1	2871.3	685.2	670.2	751.2	865.1	935.6	869.6	812.7	842.7	836.7
72.5°	8171.7	2201.1	605.8	596.8	661.2	763.2	833.7	794.7	734.7	734.7	721.2
75°	6567.3	1815.8	521.8	517.3	560.8	659.7	739.2	673.2	617.7	614.8	605.8
77.5°	3766.5	1190.5	437.8	434.8	448.3	551.8	574.3	560.8	518.8	499.3	493.3
80°	1500.9	619.2	344.9	325.4	338.9	404.8	452.8	430.3	394.3	370.3	356.9
82.5°	581.8	310.4	242.9	212.9	232.4	292.4	328.4	320.9	296.9	242.9	227.9
85°	236.9	151.4	145.4	123.0	134.9	157.4	188.9	163.4	134.9	96.0	91.5
87.5°	63.0	55.5	54.0	33.0	25.5	7.5	1.5	0.0	0.0	0.0	0.0
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)