

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: P636069

Luminaire Tested: GWS-SA3F-722-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636069
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-722-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15015.5 lumens
Efficiency: N/A
Efficacy: 82.0 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

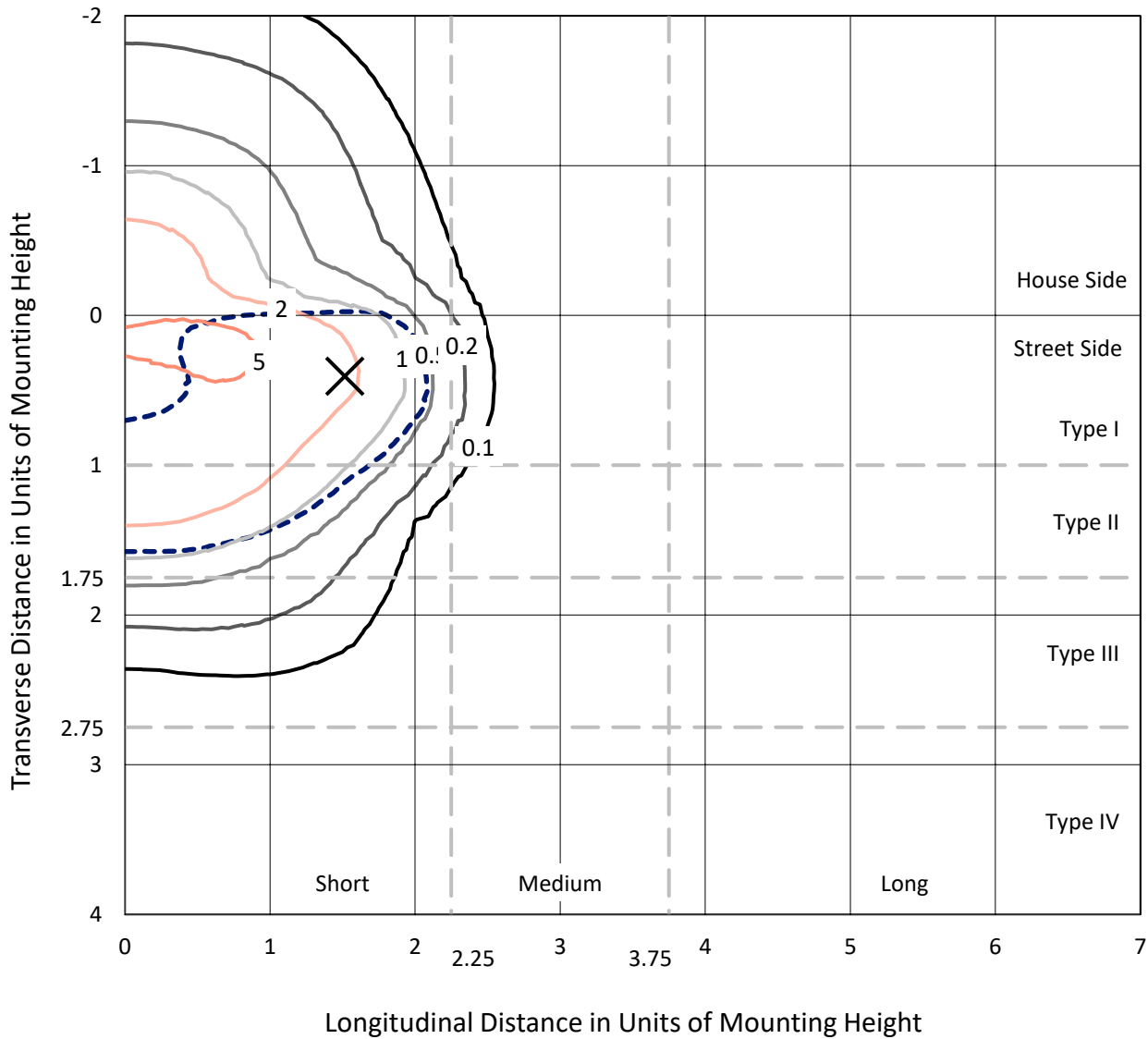
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P636069
 CATALOG NUMBER: GWS-SA3F-722-U-T2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

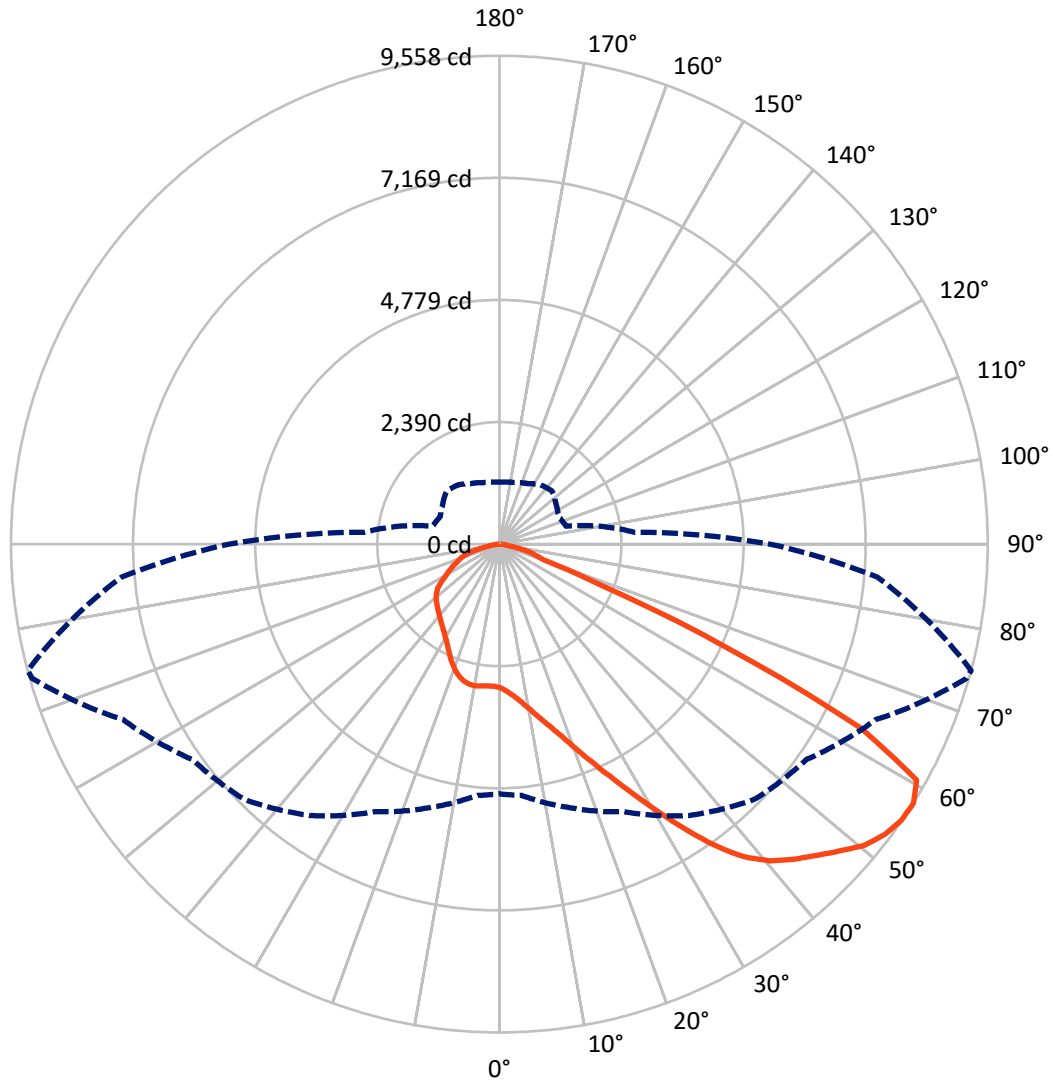
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type II - Short - N/A

REPORT NUMBER: P636069
CATALOG NUMBER: GWS-SA3F-722-U-T2-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P636069

CATALOG NUMBER: GWS-SA3F-722-U-T2-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4062.0	0.0	4062.0
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	10953.5	0.0	10953.5
	% Fixture	72.9	0.0	72.9
Total	Lumens	15015.5	0.0	15015.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.4	1.9
10°-20°	895.9	6.0
20°-30°	1588.9	10.6
30°-40°	2432.3	16.2
40°-50°	3386.8	22.6
50°-60°	3880.6	25.8
60°-70°	1993.9	13.3
70°-80°	502.0	3.3
80°-90°	53.7	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°	15015.5	100.0
0°-180°	15015.5	100.0

Coefficient of Utilization



REPORT NUMBER: P636069

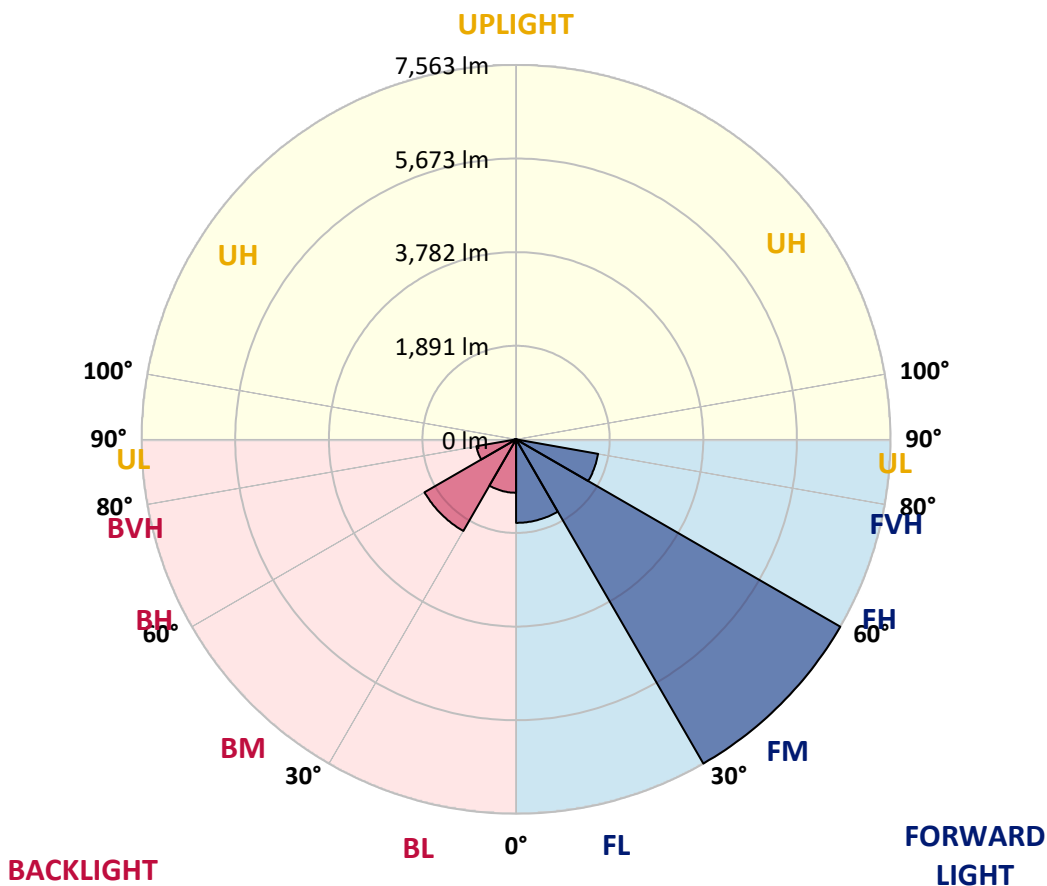
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1687.1	11.2			
FM (30°-60°)	7563.5	50.4			
FH (60°-80°)	1683.1	11.2			G1/1800
FVH (80°-90°)	19.9	0.1			G1/100
BL (0°-30°)	1079.1	7.2	B3/2500		
BM (30°-60°)	2136.2	14.2	B2/2500		
BH (60°-80°)	812.8	5.4	B2/1000		G2/1000
BVH (80°-90°)	33.8	0.2			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





REPORT NUMBER: P636069

CATALOG NUMBER: GWS-SA3F-722-U-T2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2812.0	2812.0	2812.0	2812.0	2812.0	2812.0	2812.0	2812.0	2812.0	2812.0	2812.0
2.5°	3021.2	3028.9	3021.2	3034.1	3008.3	2996.7	2968.3	2925.7	2892.1	2886.9	2849.5
5°	3256.2	3273.0	3262.6	3257.5	3222.6	3196.8	3154.2	3069.0	2999.3	2988.9	2915.3
7.5°	3407.2	3418.9	3418.9	3422.7	3409.8	3380.1	3334.9	3234.2	3136.1	3120.6	3009.6
10°	3457.6	3466.6	3483.4	3515.7	3541.5	3550.6	3520.9	3424.0	3304.0	3288.5	3133.5
12.5°	3469.2	3479.5	3505.4	3564.8	3635.8	3700.3	3705.5	3634.5	3500.2	3483.4	3276.8
15°	3491.2	3501.5	3536.4	3610.0	3714.5	3838.5	3914.7	3865.6	3717.1	3699.0	3439.5
17.5°	3488.6	3500.2	3551.9	3650.0	3790.7	3970.2	4117.4	4138.0	3984.4	3953.4	3624.2
20°	3482.1	3492.5	3548.0	3668.1	3842.4	4089.0	4354.9	4462.1	4296.8	4268.4	3839.8
22.5°	3533.8	3545.4	3588.0	3687.4	3869.5	4180.6	4574.4	4832.6	4667.4	4627.3	4087.7
25°	3650.0	3666.8	3692.6	3761.0	3918.5	4262.0	4799.1	5252.2	5083.1	5035.3	4357.5
27.5°	3829.4	3850.1	3886.2	3918.5	4028.3	4365.3	5022.4	5722.2	5553.1	5502.7	4642.8
30°	4048.9	4076.0	4122.5	4144.5	4219.4	4517.6	5265.2	6206.4	6108.3	6038.5	4964.3
32.5°	4352.3	4389.8	4433.7	4440.1	4485.3	4748.7	5505.3	6686.7	6685.4	6636.3	5329.7
35°	4747.4	4787.4	4796.5	4805.5	4827.5	5066.3	5795.8	7124.4	7293.5	7236.7	5727.4
37.5°	5178.7	5236.8	5251.0	5210.9	5241.9	5448.5	6122.5	7475.5	7822.8	7762.2	6112.1
40°	5639.6	5662.8	5701.6	5638.3	5677.0	5886.2	6442.7	7700.2	8217.9	8153.4	6415.5
42.5°	5970.1	6012.7	6070.8	6047.6	6069.5	6260.6	6667.3	7808.6	8499.4	8434.8	6633.7
45°	6329.0	6341.9	6379.4	6374.2	6387.1	6565.3	6828.7	7856.4	8751.2	8693.1	6819.7
47.5°	6641.5	6660.8	6685.4	6657.0	6628.6	6744.8	6960.4	7897.7	9041.7	8971.9	7014.6
50°	6942.3	6959.1	6988.8	6906.2	6800.3	6830.0	7024.9	7954.5	9314.1	9265.0	7168.3
52.5°	6997.8	7015.9	7155.3	7172.1	7036.6	6932.0	7138.6	8079.8	9474.2	9443.2	7223.8
55°	6299.3	6331.6	6609.2	6928.1	7262.5	7228.9	7320.6	8145.6	9537.4	9545.2	7323.2
57.5°	4889.4	4935.9	5341.3	5779.0	6482.7	7065.0	7343.8	8128.8	9515.5	9558.1	7425.2
60°	3207.1	3234.2	3714.5	4205.2	4934.6	5740.3	6573.1	7826.7	9320.5	9381.2	7399.4
62.5°	1936.7	1967.7	2353.7	2725.5	3155.5	3693.9	4458.2	6290.3	7812.5	7948.1	5926.2
65°	1351.8	1393.1	1731.4	2037.4	2185.9	2074.8	2258.2	3513.1	4867.5	4924.3	3621.6
67.5°	980.0	1008.4	1285.9	1650.0	1814.0	1465.4	1116.8	1555.8	2120.0	2140.7	1493.8
70°	641.7	674.0	925.7	1256.3	1480.9	1187.8	835.3	841.8	892.2	902.5	867.6
72.5°	352.5	371.8	572.0	834.1	875.4	710.1	652.0	699.8	734.6	734.6	743.7
75°	182.0	198.8	233.7	275.0	331.8	388.6	470.0	541.0	578.4	581.0	577.1
77.5°	93.0	99.4	125.2	135.6	148.5	173.0	224.7	287.9	321.5	334.4	331.8
80°	43.9	46.5	52.9	62.0	76.2	96.8	121.4	144.6	165.3	167.8	182.0
82.5°	23.2	25.8	28.4	33.6	41.3	51.6	71.0	85.2	98.1	100.7	112.3
85°	9.0	10.3	11.6	12.9	18.1	21.9	29.7	40.0	49.1	49.1	58.1
87.5°	0.0	0.0	0.0	0.0	1.3	2.6	5.2	6.5	9.0	9.0	15.5
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: P636069

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2812.0	2812.0	2812.0	2812.0	2812.0	2812.0	2812.0	2812.0	2812.0	2812.0	2812.0
2.5°	2840.4	2803.0	2786.2	2759.1	2737.2	2712.6	2693.3	2679.1	2670.0	2664.9	2659.7
5°	2886.9	2830.1	2784.9	2730.7	2693.3	2657.1	2627.4	2606.8	2596.4	2588.7	2583.5
7.5°	2959.2	2883.1	2797.8	2713.9	2648.1	2590.0	2552.5	2530.6	2516.4	2511.2	2507.3
10°	3058.6	2952.8	2812.0	2679.1	2580.9	2517.7	2491.8	2481.5	2482.8	2480.2	2478.9
12.5°	3171.0	3026.4	2808.2	2617.1	2508.6	2471.2	2472.5	2489.3	2508.6	2513.8	2515.1
15°	3292.3	3098.7	2770.7	2537.0	2451.8	2455.7	2489.3	2529.3	2565.4	2579.6	2582.2
17.5°	3424.0	3159.4	2702.3	2449.2	2405.3	2446.7	2508.6	2574.5	2627.4	2650.7	2657.1
20°	3571.2	3211.0	2605.5	2362.7	2361.4	2429.9	2520.3	2606.8	2673.9	2704.9	2710.0
22.5°	3727.4	3243.3	2486.7	2282.7	2316.3	2407.9	2511.2	2601.6	2672.6	2703.6	2710.0
25°	3885.0	3253.6	2356.3	2209.1	2269.8	2373.1	2467.3	2539.6	2606.8	2633.9	2639.0
27.5°	4032.1	3223.9	2232.3	2145.8	2227.2	2321.4	2384.7	2423.4	2469.9	2490.6	2494.4
30°	4181.9	3164.5	2127.8	2095.5	2179.4	2250.4	2278.8	2281.4	2299.5	2299.5	2302.1
32.5°	4333.0	3076.7	2036.1	2046.4	2120.0	2166.5	2170.4	2140.7	2118.7	2082.6	2081.3
35°	4507.3	2987.6	1961.2	1990.9	2050.3	2078.7	2067.1	2010.3	1957.3	1897.9	1895.4
37.5°	4668.7	2896.0	1897.9	1934.1	1971.5	1992.2	1965.1	1896.6	1852.7	1792.1	1783.0
40°	4801.6	2813.3	1837.3	1874.7	1892.8	1910.8	1866.9	1811.4	1817.9	1784.3	1783.0
42.5°	4879.1	2733.3	1780.4	1808.8	1820.5	1833.4	1794.6	1753.3	1788.2	1762.4	1763.7
45°	4935.9	2663.6	1728.8	1739.1	1767.5	1786.9	1750.7	1704.3	1712.0	1612.6	1589.4
47.5°	5000.5	2624.8	1679.7	1669.4	1719.8	1753.3	1697.8	1630.7	1584.2	1486.1	1477.0
50°	5068.9	2610.6	1628.1	1599.7	1660.4	1692.6	1628.1	1544.2	1483.5	1430.6	1425.4
52.5°	5092.1	2609.3	1563.5	1515.8	1576.4	1621.6	1567.4	1482.2	1409.9	1358.3	1355.7
55°	5183.8	2646.8	1480.9	1400.9	1457.7	1550.6	1510.6	1387.9	1329.8	1306.6	1304.0
57.5°	5291.0	2653.2	1350.5	1275.6	1354.4	1464.1	1413.8	1307.9	1244.6	1216.2	1213.6
60°	5247.1	2494.4	1211.1	1180.1	1266.6	1382.8	1336.3	1244.6	1171.0	1143.9	1141.3
62.5°	3998.6	1761.1	1109.1	1097.4	1172.3	1265.3	1256.3	1160.7	1091.0	1071.6	1069.0
65°	2405.3	1236.9	1010.9	1009.6	1062.6	1151.7	1163.3	1085.8	1012.2	985.1	985.1
67.5°	1189.1	946.4	899.9	893.4	927.0	990.3	1039.3	976.1	914.1	888.3	884.4
70°	840.5	834.1	818.6	800.5	806.9	832.8	853.4	800.5	734.6	708.8	703.7
72.5°	726.9	728.2	717.9	703.7	698.5	680.4	662.3	623.6	583.6	556.5	559.1
75°	564.2	566.8	573.3	568.1	553.9	534.5	515.2	466.1	433.8	408.0	402.8
77.5°	329.2	342.1	362.8	357.6	360.2	333.1	325.4	277.6	247.9	229.8	225.9
80°	185.9	193.7	202.7	209.2	201.4	189.8	173.0	147.2	138.1	125.2	122.7
82.5°	112.3	120.1	123.9	129.1	126.5	111.0	98.1	81.3	73.6	67.1	65.8
85°	56.8	62.0	65.8	68.4	60.7	50.4	45.2	36.2	31.0	27.1	27.1
87.5°	14.2	15.5	18.1	15.5	14.2	6.5	5.2	1.3	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)