

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: P641027

Luminaire Tested: GWS-SA5F-722-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641027
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5F-722-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26240.5 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

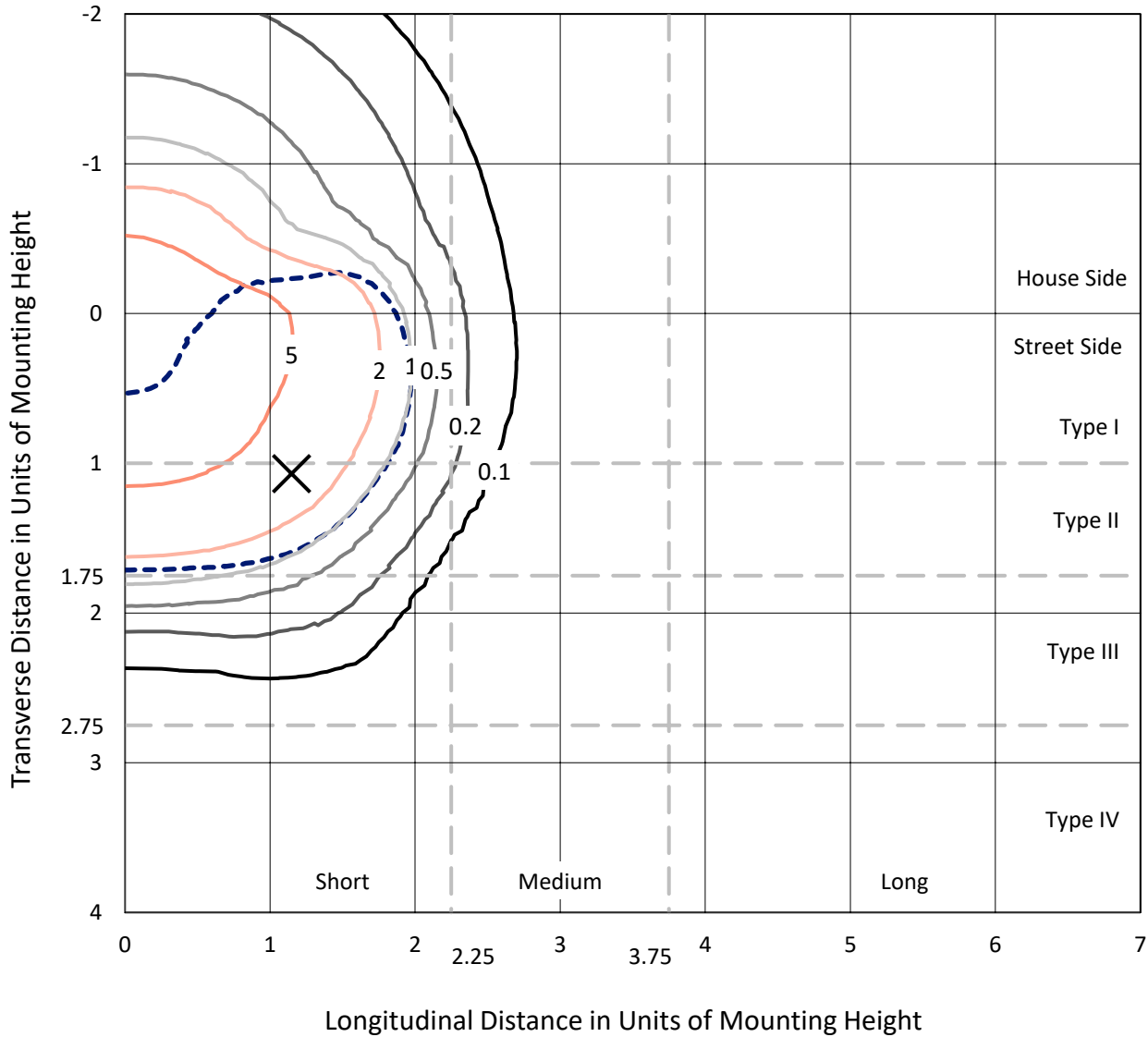
Input Watts (W): 310.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641027
 CATALOG NUMBER: GWS-SA5F-722-U-T3-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

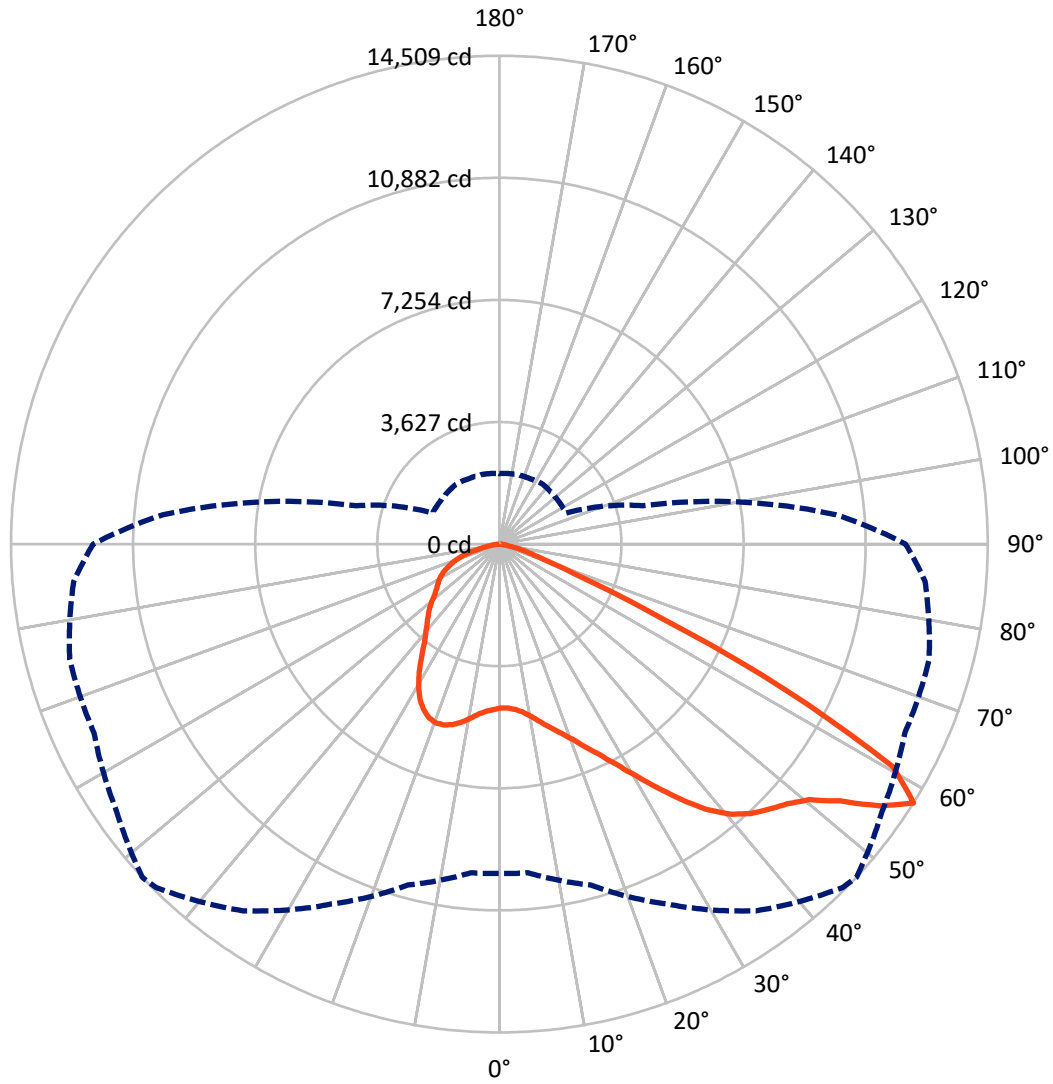
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
 Type II - Short - N/A

REPORT NUMBER: P641027
CATALOG NUMBER: GWS-SA5F-722-U-T3-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P641027

CATALOG NUMBER: GWS-SA5F-722-U-T3-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8305.1	0.0	8305.1
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	17935.4	0.0	17935.4
	% Fixture	68.4	0.0	68.4
Total	Lumens	26240.5	0.0	26240.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	480.0	1.8
10°-20°	1578.7	6.0
20°-30°	2842.5	10.8
30°-40°	4293.4	16.4
40°-50°	5781.5	22.0
50°-60°	6947.3	26.5
60°-70°	3383.4	12.9
70°-80°	833.5	3.2
80°-90°	100.2	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°	26240.5	100.0
0°-180°	26240.5	100.0

Coefficient of Utilization



REPORT NUMBER: P641027

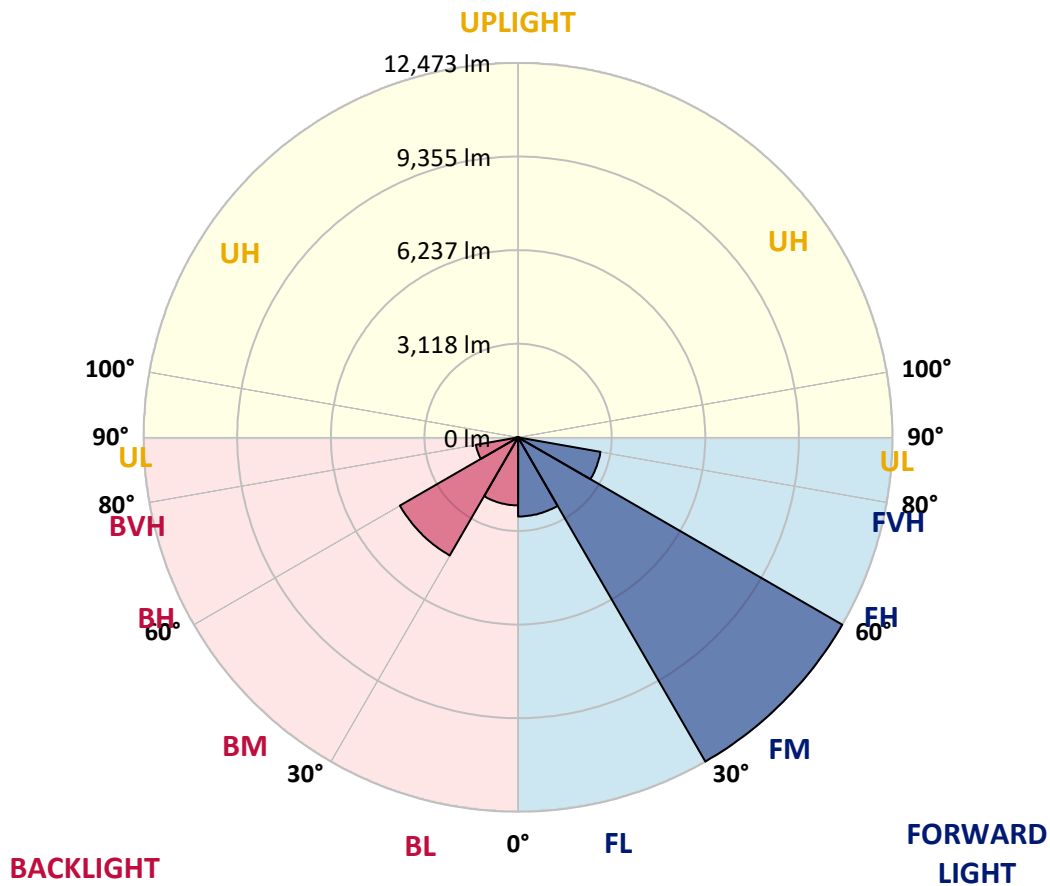
CATALOG NUMBER: GWS-SA5F-722-U-T3-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2635.7	10.0			
FM (30°-60°)	12473.5	47.5			
FH (60°-80°)	2788.6	10.6			G2/5000
FVH (80°-90°)	37.6	0.1			G1/100
BL (0°-30°)	2265.5	8.6	B3/2500		
BM (30°-60°)	4548.6	17.3	B3/5000		
BH (60°-80°)	1428.4	5.4	B3/2500		G3/2500
BVH (80°-90°)	62.5	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-G3

Type II Short





REPORT NUMBER: P641027

CATALOG NUMBER: GWS-SA5F-722-U-T3-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	4866.3	4866.3	4866.3	4866.3	4866.3	4866.3	4866.3	4866.3	4866.3	4866.3	4866.3
2.5°	4857.5	4855.3	4855.3	4868.5	4868.5	4873.0	4879.6	4886.2	4888.4	4877.4	4853.1
5°	4910.4	4910.4	4910.4	4921.4	4921.4	4925.8	4934.7	4936.9	4934.7	4917.0	4892.8
7.5°	4994.2	4994.2	4996.4	5009.6	5020.6	5027.2	5042.7	5040.5	5033.8	5005.2	4974.3
10°	5130.8	5137.4	5144.0	5159.5	5181.5	5196.9	5208.0	5208.0	5199.1	5155.1	5115.4
12.5°	5324.8	5333.6	5340.2	5353.4	5371.0	5397.5	5421.7	5421.7	5410.7	5355.6	5296.1
15°	5551.8	5560.6	5558.4	5562.8	5595.8	5633.3	5653.2	5666.4	5670.8	5593.6	5501.1
17.5°	5811.8	5820.7	5811.8	5798.6	5803.0	5862.5	5897.8	5946.3	5974.9	5871.3	5723.7
20°	6047.7	6038.8	6038.8	6047.7	6060.9	6133.6	6186.5	6265.9	6301.1	6175.5	5946.3
22.5°	6296.7	6316.5	6307.7	6307.7	6360.6	6481.8	6545.8	6649.3	6686.8	6523.7	6215.2
25°	6618.5	6636.1	6631.7	6636.1	6697.8	6869.7	6933.7	7125.4	7162.9	6929.2	6512.7
27.5°	6971.1	6999.8	7013.0	7008.6	7107.8	7332.6	7411.9	7678.6	7746.9	7383.3	6830.1
30°	7429.5	7460.4	7471.4	7467.0	7583.8	7890.2	7980.5	8284.7	8381.7	7921.0	7233.4
32.5°	7960.7	7991.6	8024.6	8037.8	8187.7	8500.7	8630.7	8945.9	9084.7	8542.5	7720.5
35°	8487.4	8513.9	8577.8	8681.4	8886.4	9205.9	9320.5	9631.3	9765.7	9188.3	8308.9
37.5°	9069.3	9086.9	9142.0	9285.3	9580.6	9884.8	9999.4	10296.9	10312.3	9812.0	8974.5
40°	9706.2	9706.2	9695.2	9836.3	10144.8	10451.2	10550.3	10722.3	10631.9	10292.5	9622.5
42.5°	10246.2	10237.4	10246.2	10378.4	10607.6	10856.7	10942.6	10909.6	10795.0	10660.5	10208.7
45°	10733.3	10739.9	10819.2	10920.6	11039.6	11187.3	11238.0	11050.6	10947.1	10955.9	10678.2
47.5°	11063.9	11070.5	11255.6	11425.3	11498.0	11544.3	11522.3	11262.2	11209.3	11308.5	11039.6
50°	11107.9	11143.2	11462.8	11811.0	11991.7	11998.3	11936.6	11619.3	11603.8	11716.2	11233.6
52.5°	11116.8	11152.0	11550.9	12179.1	12648.5	12747.7	12677.2	12346.6	12185.7	12073.3	11471.6
55°	11083.7	11123.4	11564.2	12425.9	13325.1	13721.8	13728.5	13261.2	12747.7	12672.8	12150.4
57.5°	9785.6	9801.0	10484.2	11797.8	13298.7	14422.7	14508.7	13873.9	13287.7	13217.1	12694.8
60°	6816.8	6878.6	7621.3	9355.8	11171.9	13153.2	13430.9	13245.8	12853.5	12340.0	10892.0
62.5°	3413.9	3466.8	4211.8	5851.5	7705.0	9269.8	9567.4	9763.5	9856.1	9305.1	7416.3
65°	1470.0	1509.7	1972.5	3056.9	4361.6	5117.6	5221.2	5457.0	6034.4	5384.3	3995.8
67.5°	983.0	1009.4	1245.2	1864.5	2569.8	2618.3	2602.9	2653.6	2779.2	2294.3	1805.0
70°	753.8	775.8	934.5	1366.5	1846.9	1580.2	1496.5	1357.6	1474.4	1503.1	1463.4
72.5°	546.6	564.2	683.2	932.3	1157.1	1009.4	996.2	1066.7	1225.4	1269.5	1245.2
75°	352.6	361.4	434.2	511.3	597.3	648.0	674.4	802.2	963.1	996.2	967.5
77.5°	235.8	242.4	284.3	328.4	339.4	341.6	350.4	407.7	517.9	579.6	573.0
80°	123.4	123.4	138.8	138.8	158.7	189.5	198.4	235.8	286.5	317.4	319.6
82.5°	48.5	50.7	59.5	66.1	79.3	97.0	103.6	123.4	149.9	171.9	191.7
85°	19.8	22.0	24.2	28.7	35.3	44.1	46.3	52.9	70.5	88.2	99.2
87.5°	0.0	0.0	2.2	2.2	4.4	6.6	6.6	8.8	11.0	19.8	26.4
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: P641027
 CATALOG NUMBER: GWS-SA5F-722-U-T3-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4866.3	4866.3	4866.3	4866.3	4866.3	4866.3	4866.3	4866.3	4866.3	4866.3	4866.3
2.5°	4881.8	4853.1	4881.8	4890.6	4914.8	4923.6	4908.2	4906.0	4906.0	4884.0	4877.4
5°	4914.8	4888.4	4917.0	4930.3	4965.5	4987.6	4992.0	5009.6	5020.6	5011.8	5009.6
7.5°	4996.4	4963.3	4994.2	5014.0	5060.3	5095.6	5111.0	5150.6	5179.3	5174.9	5172.7
10°	5139.6	5095.6	5130.8	5163.9	5214.6	5256.4	5258.6	5280.7	5309.3	5300.5	5296.1
12.5°	5304.9	5263.1	5302.7	5335.8	5395.3	5412.9	5384.3	5375.5	5379.9	5368.8	5360.0
15°	5507.7	5448.2	5483.4	5520.9	5554.0	5534.1	5472.4	5448.2	5446.0	5430.6	5421.7
17.5°	5710.5	5635.5	5662.0	5681.8	5666.4	5604.7	5527.5	5485.7	5465.8	5435.0	5426.1
20°	5911.0	5816.2	5811.8	5796.4	5725.9	5613.5	5509.9	5426.1	5375.5	5333.6	5318.1
22.5°	6140.2	6008.0	5941.9	5871.3	5717.1	5534.1	5377.7	5258.6	5177.1	5124.2	5106.6
25°	6387.1	6199.7	6063.1	5922.0	5628.9	5364.4	5146.2	4983.1	4886.2	4828.9	4809.0
27.5°	6631.7	6373.8	6168.9	5928.6	5452.6	5119.8	4826.7	4606.3	4509.3	4463.0	4447.6
30°	6962.3	6605.3	6294.5	5842.7	5221.2	4780.4	4414.5	4191.9	4128.0	4095.0	4081.7
32.5°	7343.6	6898.4	6462.0	5662.0	4925.8	4383.7	3998.0	3843.7	3799.6	3735.7	3733.5
35°	7846.1	7317.1	6620.7	5395.3	4553.4	3958.3	3678.4	3568.2	3488.9	3387.5	3378.7
37.5°	8432.3	7839.5	6706.6	5055.9	4119.2	3607.9	3440.4	3317.0	3189.1	3054.7	3037.1
40°	9038.4	8450.0	6713.3	4654.8	3693.8	3376.5	3235.4	3074.5	2915.8	2766.0	2746.1
42.5°	9675.4	9018.6	6596.4	4191.9	3345.6	3175.9	3032.6	2829.9	2651.4	2550.0	2539.0
45°	10244.0	9477.0	6332.0	3704.9	3087.7	3008.4	2825.5	2607.3	2512.5	2439.8	2424.4
47.5°	10691.4	9781.2	5974.9	3268.5	2878.4	2836.5	2598.5	2486.1	2413.3	2347.2	2331.8
50°	10911.8	9849.5	5509.9	2913.6	2684.4	2633.7	2470.6	2384.7	2336.2	2283.3	2270.1
52.5°	11185.1	9926.6	5108.8	2616.1	2494.9	2426.6	2364.8	2296.5	2261.3	2228.2	2217.2
55°	11813.2	10217.5	4897.2	2378.1	2314.2	2283.3	2274.5	2217.2	2206.2	2184.1	2164.3
57.5°	12068.9	10030.2	4396.9	2184.1	2170.9	2175.3	2197.3	2144.5	2133.4	2107.0	2093.8
60°	9706.2	7581.6	2977.5	2016.6	2051.9	2080.5	2102.6	2049.7	2034.3	2029.8	2012.2
62.5°	6219.6	4663.6	2078.3	1860.1	1913.0	1948.3	1961.5	1910.8	1899.8	1935.1	1937.3
65°	3237.6	2541.2	1686.0	1692.6	1736.7	1789.6	1816.1	1798.4	1794.0	1831.5	1833.7
67.5°	1653.0	1553.8	1470.0	1494.3	1529.5	1597.9	1659.6	1736.7	1763.2	1767.6	1769.8
70°	1408.3	1364.2	1322.4	1337.8	1375.3	1412.7	1472.2	1509.7	1465.6	1454.6	1450.2
72.5°	1199.0	1165.9	1146.1	1163.7	1183.5	1176.9	1159.3	1176.9	1183.5	1185.7	1187.9
75°	932.3	908.0	892.6	894.8	894.8	870.6	837.5	817.7	795.6	778.0	778.0
77.5°	570.8	575.2	590.7	588.5	586.3	577.4	544.4	526.7	473.9	458.4	458.4
80°	326.2	332.8	348.2	352.6	352.6	341.6	308.6	288.7	264.5	253.5	251.3
82.5°	198.4	207.2	216.0	220.4	222.6	209.4	180.7	165.3	152.1	141.1	141.1
85°	103.6	108.0	116.8	119.0	112.4	99.2	83.8	77.1	63.9	61.7	61.7
87.5°	28.7	30.9	35.3	28.7	26.4	19.8	11.0	8.8	4.4	2.2	2.2
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)