

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: P642283

Luminaire Tested: GWS-SA6C-750-U-T2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642283  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6C-750-U-T2-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

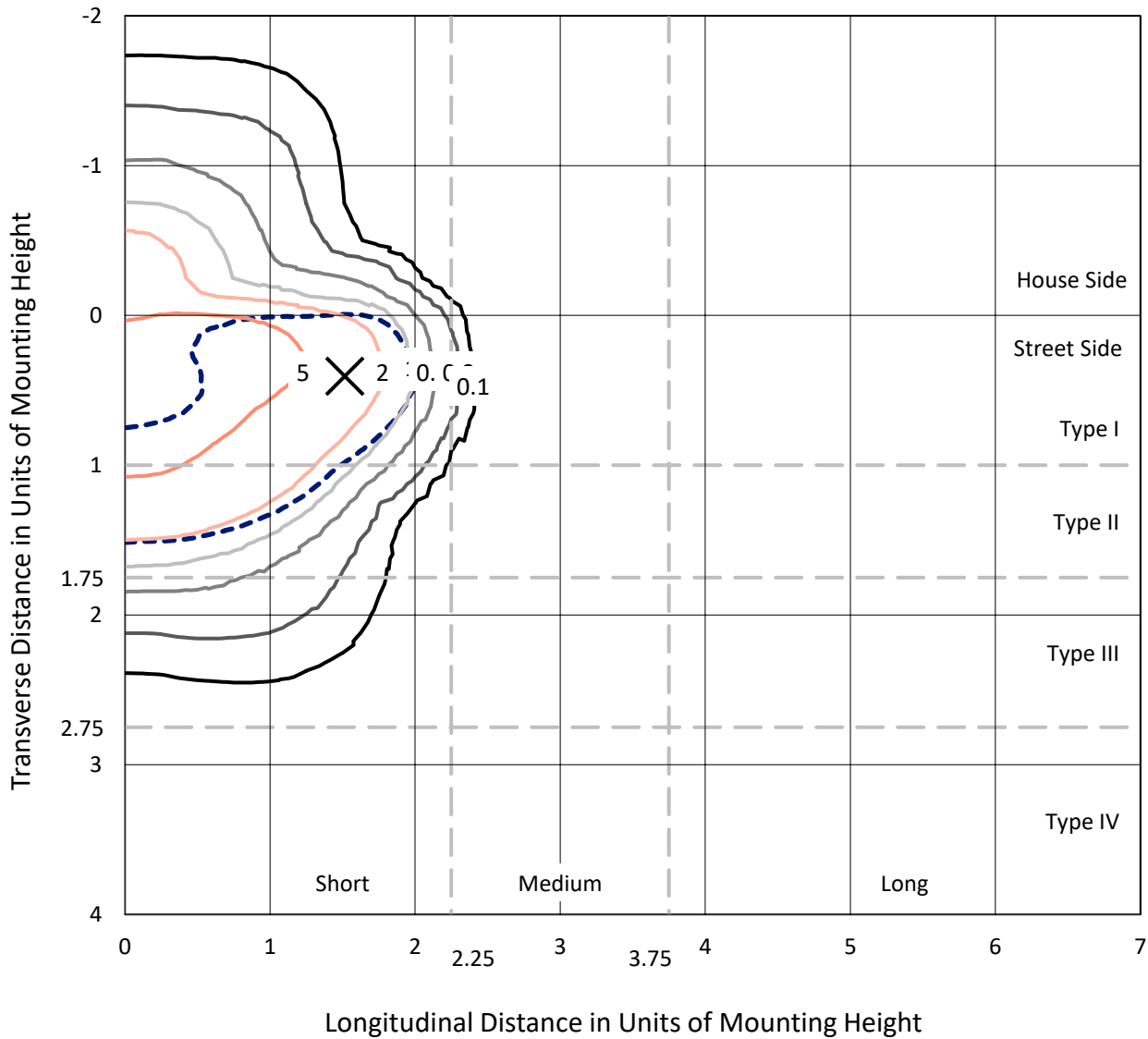
Lumens per Lamp: N/A  
Luminaire Lumens: 17253 lumens  
Efficiency: N/A  
Efficacy: 91.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

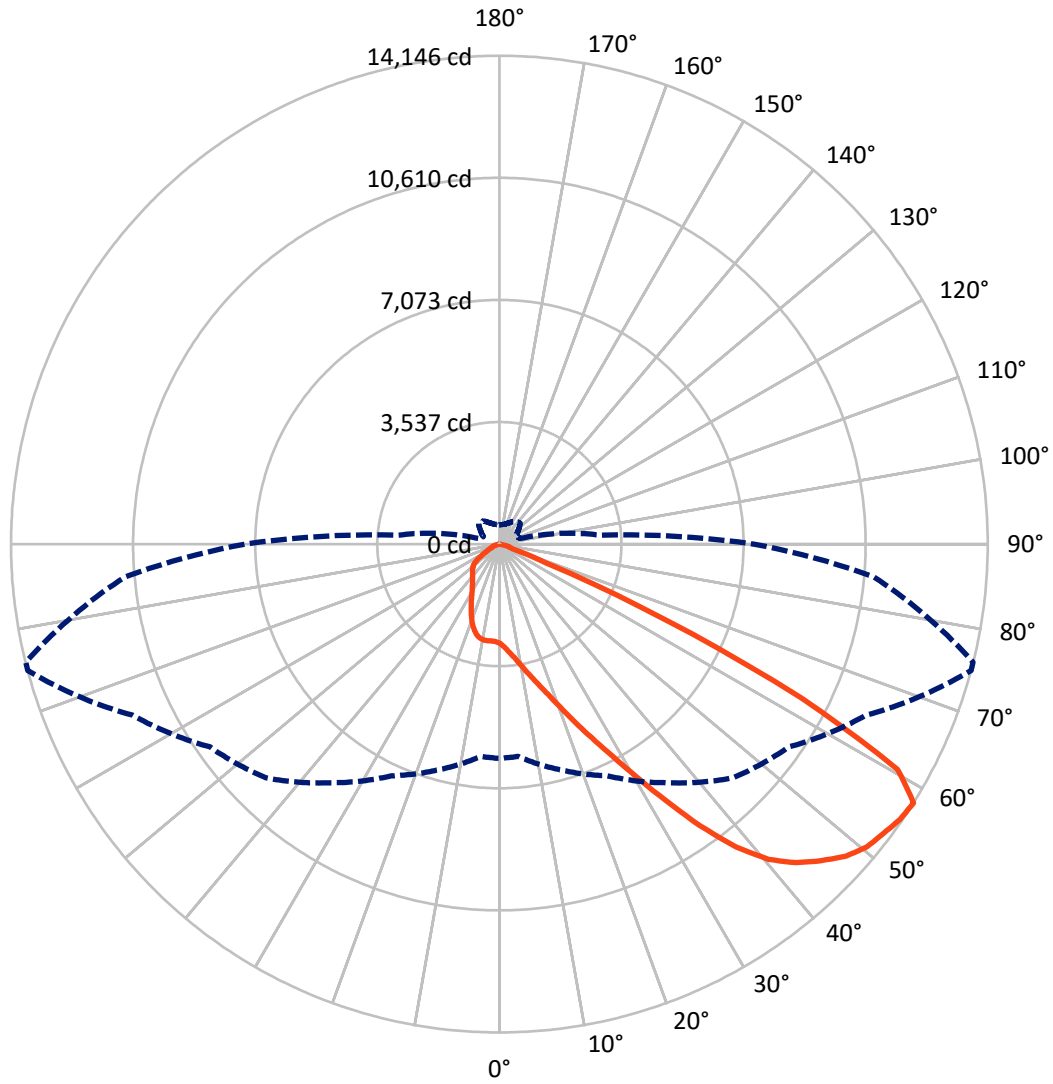
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2818.2	0.0	2818.2
	% Fixture	16.3	0.0	16.3
<b>Street Side</b>	Lumens	14434.8	0.0	14434.8
	% Fixture	83.7	0.0	83.7
<b>Total</b>	Lumens	17253.0	0.0	17253.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	292.8	1.7
10°-20°	951.2	5.5
20°-30°	1741.9	10.1
30°-40°	2889.9	16.8
40°-50°	4413.6	25.6
50°-60°	4959.4	28.7
60°-70°	1829.3	10.6
70°-80°	174.9	1.0
80°-90°	0.1	0.0
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°	17253.0	100.0
0°-180°	17253.0	100.0

**Coefficient of Utilization**



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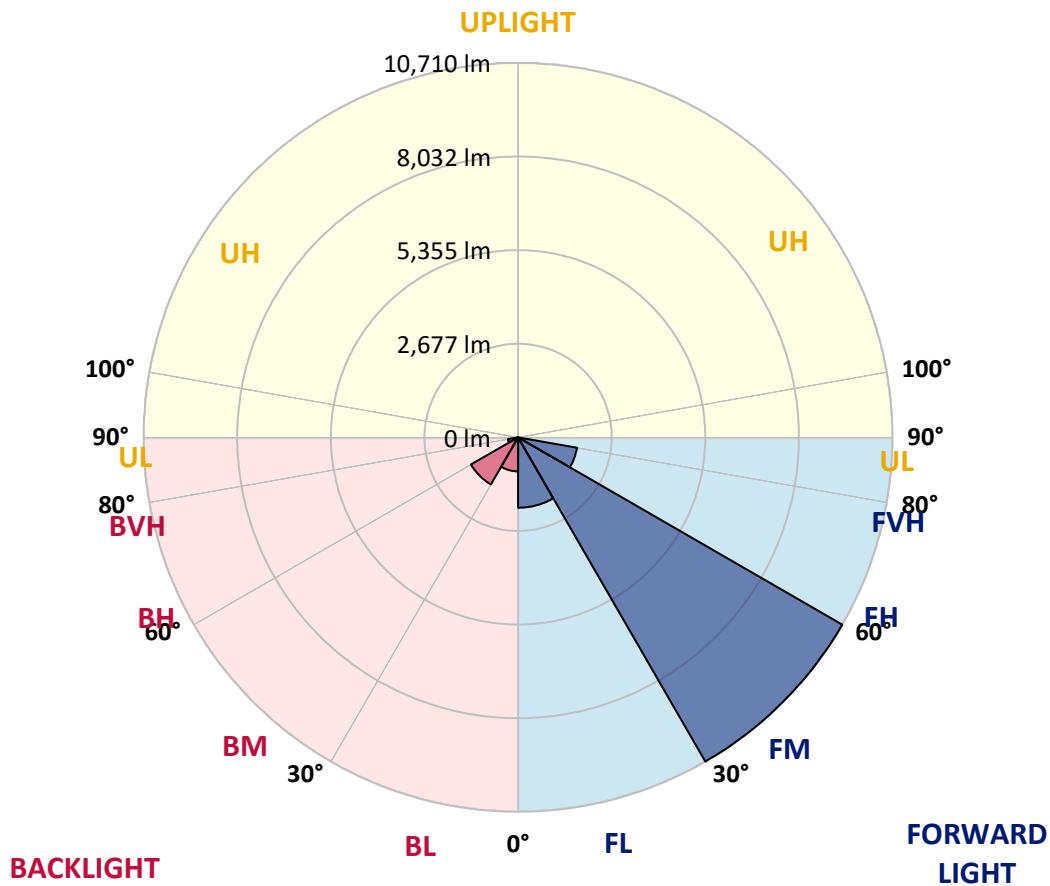
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2013.4	11.7			
FM (30°-60°)	10709.9	62.1			
FH (60°-80°)	1711.4	9.9			G1/1800
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	972.5	5.6	B2/1000		
BM (30°-60°)	1553.0	9.0	B2/2500		
BH (60°-80°)	292.7	1.7	B1/500		G1/500
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2877.6	2877.6	2877.6	2877.6	2877.6	2877.6	2877.6	2877.6	2877.6	2877.6	2877.6
2.5°	3214.9	3248.2	3237.8	3217.0	3204.5	3160.7	3133.7	3054.5	2998.3	2992.1	2940.0
5°	3620.9	3614.6	3606.3	3581.3	3560.5	3491.8	3410.6	3277.3	3158.7	3144.1	3033.7
7.5°	3843.7	3847.9	3852.0	3847.9	3833.3	3781.2	3691.7	3535.5	3354.4	3341.9	3167.0
10°	3935.3	3943.6	3964.5	4004.0	4039.4	4035.2	3983.2	3822.9	3600.1	3579.3	3344.0
12.5°	3979.0	3989.4	4022.8	4097.7	4193.5	4268.5	4276.8	4133.1	3887.4	3854.1	3554.3
15°	4039.4	4049.8	4091.5	4189.3	4328.8	4476.7	4572.4	4480.8	4206.0	4170.6	3785.4
17.5°	4066.5	4081.1	4141.4	4270.5	4451.7	4678.6	4895.2	4886.9	4582.9	4555.8	4054.0
20°	4118.5	4128.9	4183.1	4322.6	4541.2	4868.1	5232.5	5363.7	5043.0	5003.5	4378.8
22.5°	4283.0	4287.2	4312.2	4399.6	4603.7	5005.5	5576.1	5919.6	5586.5	5534.4	4743.2
25°	4551.6	4549.5	4560.0	4574.5	4724.4	5145.0	5907.1	6546.3	6209.0	6152.8	5155.5
27.5°	4893.1	4893.1	4918.1	4876.4	4936.8	5317.9	6234.0	7266.8	6933.6	6854.5	5607.3
30°	5295.0	5292.9	5351.2	5284.5	5303.3	5590.6	6585.9	8051.8	7808.1	7710.3	6127.8
32.5°	5840.5	5828.0	5894.6	5803.0	5740.5	6002.9	7014.8	8872.1	8855.5	8705.6	6781.6
35°	6529.7	6508.9	6529.7	6440.2	6327.7	6579.7	7577.0	9690.4	10017.3	9859.1	7560.4
37.5°	7214.7	7281.4	7304.3	7150.2	7058.6	7310.5	8253.7	10423.3	11127.1	10962.6	8370.3
40°	8022.6	8001.8	8080.9	7908.1	7849.8	8128.8	8915.9	10968.9	12005.8	11849.6	9090.8
42.5°	8618.1	8655.6	8753.4	8657.7	8611.9	8874.2	9471.8	11287.4	12615.9	12461.8	9605.1
45°	9332.3	9359.4	9396.8	9317.7	9269.8	9528.0	9873.7	11427.0	13080.2	12913.6	9950.7
47.5°	10104.8	10125.6	10125.6	9963.2	9809.1	9915.3	10142.3	11506.1	13507.0	13346.7	10206.8
50°	10658.6	10669.0	10760.7	10646.1	10310.9	10146.4	10265.1	11583.1	13790.2	13640.3	10290.1
52.5°	10167.2	10154.7	10456.7	10694.0	10783.6	10456.7	10477.5	11695.6	13927.6	13798.5	10356.7
55°	8561.9	8541.1	8965.8	9542.6	10331.7	10750.2	10733.6	11762.2	14079.6	14000.5	10598.2
57.5°	6207.0	6171.6	6762.9	7404.2	8439.0	9573.8	10240.1	11724.7	14146.3	14140.0	10879.3
60°	3731.3	3702.1	4260.1	4934.7	5734.3	6875.3	7981.0	10502.5	13255.1	13267.6	10148.5
62.5°	2296.6	2323.7	2827.6	3171.1	3468.9	3812.5	4451.7	7064.8	9819.5	9900.7	7131.4
65°	1545.0	1565.8	2032.2	2465.3	2465.3	2015.5	1730.3	3377.3	5238.7	5101.3	3373.1
67.5°	1036.9	1059.8	1428.4	1934.3	2007.2	1405.5	701.7	1007.8	1459.6	1415.9	835.0
70°	610.1	635.1	951.6	1326.3	1461.7	978.6	468.5	426.8	414.4	401.9	324.8
72.5°	272.8	283.2	485.1	674.6	616.3	412.3	331.1	341.5	322.7	316.5	264.4
75°	83.3	87.5	124.9	145.8	147.8	147.8	199.9	268.6	254.0	256.1	204.1
77.5°	20.8	20.8	33.3	31.2	16.7	14.6	37.5	60.4	62.5	56.2	41.6
80°	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2877.6	2877.6	2877.6	2877.6	2877.6	2877.6	2877.6	2877.6	2877.6	2877.6	2877.6
2.5°	2917.1	2863.0	2827.6	2777.6	2742.2	2704.7	2671.4	2644.4	2629.8	2625.6	2627.7
5°	2983.8	2898.4	2815.1	2719.3	2652.7	2590.2	2540.2	2500.7	2481.9	2475.7	2475.7
7.5°	3085.8	2967.1	2819.3	2669.3	2556.9	2459.0	2400.7	2357.0	2340.4	2336.2	2323.7
10°	3219.0	3056.6	2813.0	2579.8	2421.6	2319.5	2277.9	2265.4	2271.6	2273.7	2271.6
12.5°	3379.4	3150.3	2773.5	2448.6	2277.9	2215.4	2219.6	2252.9	2290.4	2309.1	2313.3
15°	3550.1	3235.7	2683.9	2292.5	2155.0	2153.0	2213.3	2290.4	2363.3	2394.5	2402.8
17.5°	3741.7	3304.4	2546.5	2125.9	2048.9	2109.2	2217.5	2336.2	2434.1	2486.1	2496.5
20°	3952.0	3360.6	2371.6	1969.7	1955.2	2063.4	2213.3	2359.1	2479.9	2538.2	2548.6
22.5°	4170.6	3400.2	2169.6	1826.1	1869.8	2011.4	2173.8	2315.4	2429.9	2496.5	2504.9
25°	4420.4	3404.3	1963.5	1705.3	1790.7	1940.6	2078.0	2194.6	2290.4	2348.7	2354.9
27.5°	4639.1	3354.4	1780.3	1607.4	1717.8	1853.1	1944.7	2009.3	2075.9	2109.2	2111.3
30°	4891.0	3266.9	1607.4	1528.3	1642.8	1744.9	1790.7	1805.2	1811.5	1817.7	1809.4
32.5°	5190.9	3160.7	1478.3	1451.3	1557.5	1626.2	1638.7	1609.5	1574.1	1524.1	1511.7
35°	5559.4	3065.0	1372.2	1376.3	1463.8	1505.4	1495.0	1432.5	1363.8	1303.4	1293.0
37.5°	5959.2	2983.8	1290.9	1303.4	1361.7	1390.9	1359.7	1290.9	1259.7	1207.7	1209.7
40°	6313.1	2917.1	1218.1	1230.6	1257.6	1284.7	1234.7	1188.9	1247.2	1243.1	1247.2
42.5°	6565.1	2860.9	1155.6	1149.4	1168.1	1186.8	1149.4	1126.5	1224.3	1197.2	1211.8
45°	6712.9	2808.8	1103.6	1066.1	1095.2	1128.5	1103.6	1074.4	1107.7	982.8	972.4
47.5°	6812.9	2779.7	1057.7	984.9	1036.9	1095.2	1043.2	972.4	924.5	816.2	807.9
50°	6823.3	2765.1	1003.6	901.6	968.2	1030.7	970.3	872.4	803.7	755.8	749.6
52.5°	6877.4	2794.3	928.6	795.4	868.3	968.2	926.6	828.7	735.0	693.4	685.0
55°	7118.9	2917.1	803.7	649.6	755.8	920.3	891.2	739.2	649.6	624.7	618.4
57.5°	7368.8	2942.1	633.0	514.3	658.0	851.6	814.1	680.9	593.4	564.3	558.0
60°	6737.9	2423.6	474.7	424.8	580.9	787.1	753.7	645.5	543.4	508.0	501.8
62.5°	4426.7	1309.7	376.9	360.2	489.3	666.3	687.1	583.0	485.1	447.7	445.6
65°	2040.5	608.0	289.4	285.3	383.1	531.0	591.3	510.1	410.2	376.9	376.9
67.5°	555.9	301.9	227.0	210.3	260.3	356.1	431.0	381.0	291.5	251.9	249.9
70°	276.9	243.6	204.1	181.1	187.4	220.7	254.0	212.4	147.8	120.8	118.7
72.5°	227.0	199.9	172.8	154.1	141.6	135.3	131.2	106.2	68.7	52.1	50.0
75°	168.7	143.7	122.8	99.9	85.4	79.1	70.8	52.1	29.2	16.7	14.6
77.5°	37.5	35.4	33.3	25.0	22.9	18.7	14.6	10.4	4.2	0.0	0.0
80°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)