

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: P641986

Luminaire Tested: GWS-SA6C-722-U-RW-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641986  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6C-722-U-RW-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

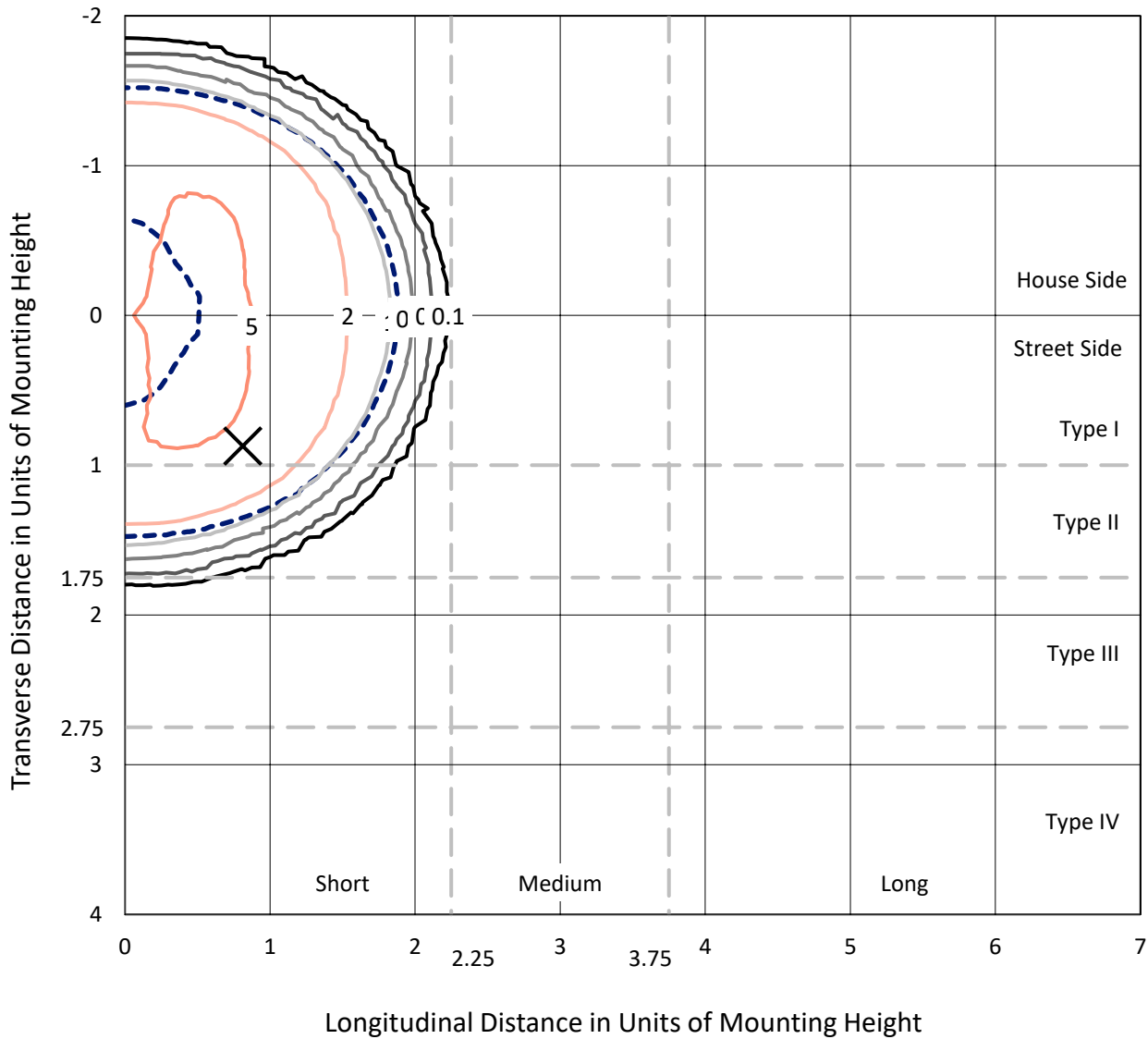
Lumens per Lamp: N/A  
Luminaire Lumens: 13555.8 lumens  
Efficiency: N/A  
Efficacy: 71.6 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

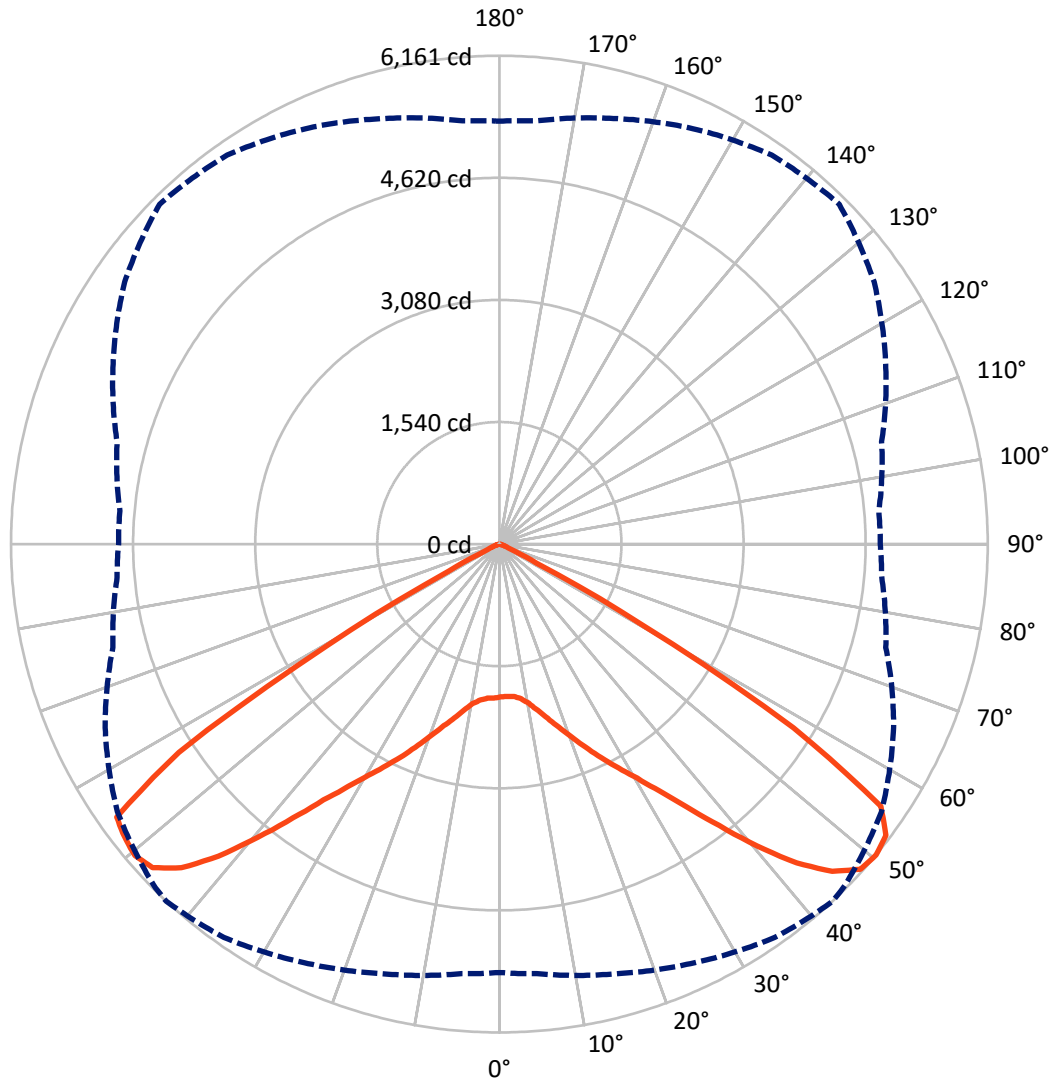
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6777.7	0.0	6777.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6778.1	0.0	6778.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13555.8	0.0	13555.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	189.9	1.4
10°-20°	653.4	4.8
20°-30°	1322.0	9.8
30°-40°	2452.7	18.1
40°-50°	4071.3	30.0
50°-60°	4155.0	30.7
60°-70°	681.4	5.0
70°-80°	29.8	0.2
80°-90°	0.4	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°	13555.8	100.0
0°-180°	13555.8	100.0

**Coefficient of Utilization**



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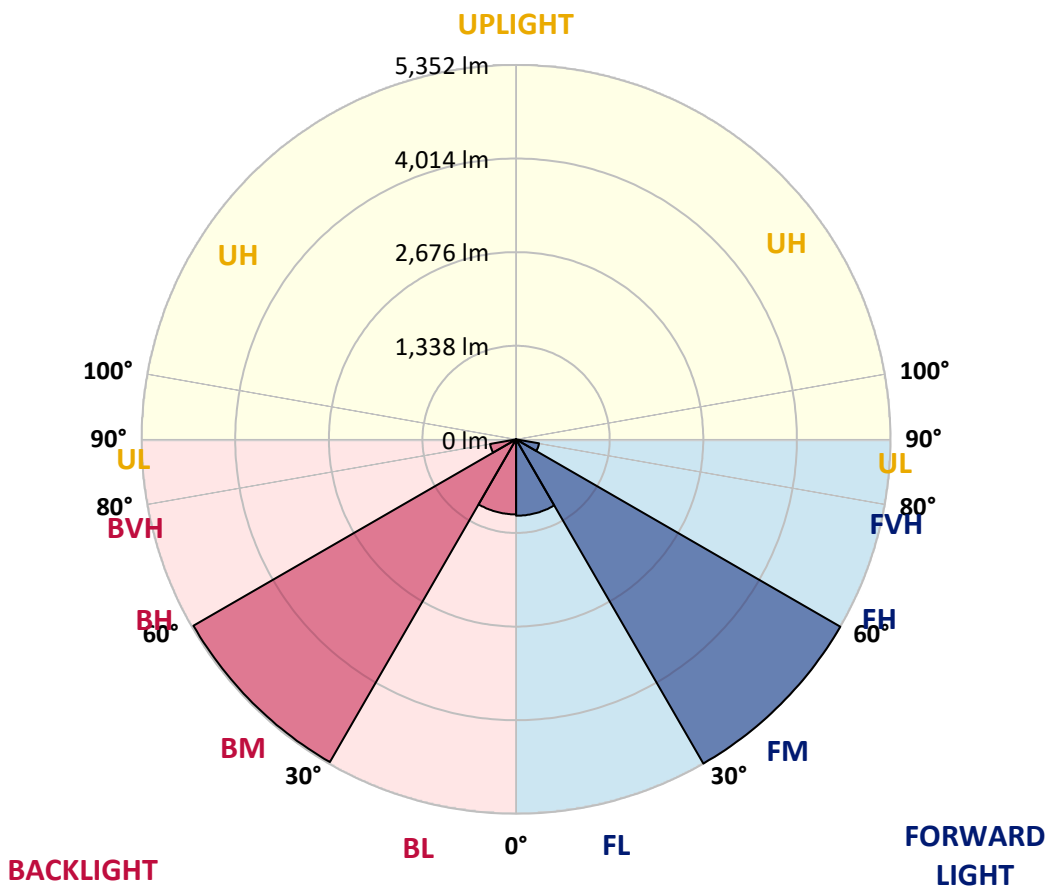
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1092.1	8.1			
FM (30°-60°)	5352.5	39.5			
FH (60°-80°)	333.3	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	1073.1	7.9	B3/2500		
BM (30°-60°)	5326.5	39.3	B4/8500		
BH (60°-80°)	377.9	2.8	B1/500		G0/660
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	1928.1	1928.1	1928.1	1928.1	1928.1	1928.1	1928.1	1928.1	1928.1	1928.1	1928.1
2.5°	1892.1	1896.6	1902.6	1908.6	1916.1	1923.6	1928.1	1941.6	1938.6	1950.6	1950.6
5°	1871.1	1875.6	1883.1	1896.6	1913.1	1929.6	1941.6	1968.6	1983.6	2007.6	2016.6
7.5°	1881.6	1887.6	1896.6	1917.6	1943.1	1968.6	1982.1	2025.6	2055.5	2100.5	2126.0
10°	1916.1	1922.1	1937.1	1973.1	2006.1	2042.0	2058.5	2114.0	2162.0	2223.5	2259.4
12.5°	1955.1	1962.6	1992.6	2046.5	2103.5	2151.5	2174.0	2235.5	2284.9	2353.9	2410.9
15°	1995.6	2007.6	2054.0	2133.5	2214.5	2278.9	2302.9	2368.9	2418.4	2491.8	2556.3
17.5°	2090.0	2103.5	2156.0	2241.5	2352.4	2427.4	2448.4	2517.3	2554.8	2604.3	2671.8
20°	2208.5	2234.0	2298.4	2401.9	2523.3	2595.3	2610.3	2677.7	2674.7	2695.7	2754.2
22.5°	2355.4	2373.4	2443.9	2566.8	2703.2	2782.7	2817.2	2845.7	2808.2	2790.2	2827.7
25°	2508.3	2529.3	2605.8	2740.7	2893.6	2985.1	3013.6	3036.1	2976.1	2908.6	2913.1
27.5°	2706.2	2721.2	2796.2	2940.1	3093.1	3196.5	3222.0	3261.0	3181.5	3073.6	3043.6
30°	2941.6	2956.6	3036.1	3187.5	3338.9	3427.4	3466.4	3514.4	3427.4	3292.5	3258.0
32.5°	3217.5	3232.5	3334.4	3490.4	3614.8	3710.8	3748.2	3799.2	3730.3	3578.8	3539.8
35°	3547.3	3556.3	3676.3	3845.7	3977.6	4070.6	4096.1	4156.1	4079.6	3928.2	3907.2
37.5°	3929.7	3940.2	4070.6	4267.0	4401.9	4505.4	4545.9	4562.4	4469.4	4300.0	4283.5
40°	4349.5	4383.9	4511.4	4722.8	4874.2	5004.7	5040.6	4985.2	4854.7	4623.8	4593.9
42.5°	4787.3	4817.2	4959.7	5189.1	5364.5	5497.9	5499.4	5379.5	5157.6	4838.2	4793.3
45°	5151.6	5163.6	5348.0	5578.9	5794.8	5889.2	5898.2	5680.8	5346.5	4962.7	4866.7
47.5°	5402.0	5421.5	5581.9	5803.8	6042.2	6127.6	6109.6	5838.3	5436.5	5043.6	4884.7
50°	5405.0	5438.0	5611.9	5826.3	6057.2	6160.6	6135.1	5883.2	5487.4	5046.6	4841.2
52.5°	4926.7	4980.7	5264.0	5574.4	5928.2	6105.1	6111.1	5941.7	5467.9	4998.7	4802.3
55°	3716.8	3775.2	4132.1	4661.3	5345.0	5838.3	5923.7	5872.8	5445.5	5019.7	4871.2
57.5°	1967.1	1922.1	2120.0	2644.8	3503.9	4376.5	4626.8	5034.6	5195.1	5045.1	4998.7
60°	428.8	457.3	608.7	820.1	1367.4	2058.5	2302.9	3001.6	3832.2	4201.0	4467.9
62.5°	184.4	181.4	188.9	214.4	313.4	521.8	637.2	1040.5	1641.7	2254.9	2670.3
65°	151.4	152.9	158.9	158.9	148.4	149.9	157.4	238.4	383.8	538.2	722.7
67.5°	113.9	115.4	125.9	128.9	121.4	107.9	106.5	90.0	94.5	118.4	122.9
70°	72.0	72.0	78.0	81.0	81.0	75.0	73.5	64.5	63.0	72.0	81.0
72.5°	39.0	39.0	42.0	43.5	42.0	40.5	40.5	39.0	37.5	43.5	55.5
75°	16.5	16.5	18.0	18.0	16.5	16.5	16.5	16.5	16.5	19.5	30.0
77.5°	3.0	4.5	6.0	4.5	3.0	3.0	3.0	4.5	4.5	6.0	9.0
80°	1.5	1.5	3.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
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°	1928.1	1928.1	1928.1	1928.1	1928.1	1928.1	1928.1	1928.1	1928.1	1928.1	1928.1
2.5°	1961.1	1944.6	1950.6	1953.6	1949.1	1946.1	1929.6	1925.1	1917.6	1905.6	1902.6
5°	2027.1	2013.6	2012.1	2003.1	1982.1	1956.6	1925.1	1911.6	1896.6	1881.6	1878.6
7.5°	2138.0	2121.5	2111.0	2081.0	2033.0	1992.6	1940.1	1911.6	1892.1	1872.6	1868.1
10°	2280.4	2260.9	2231.0	2175.5	2111.0	2052.5	1991.1	1953.6	1923.6	1896.6	1895.1
12.5°	2431.9	2410.9	2356.9	2286.4	2208.5	2154.5	2076.5	2024.1	1979.1	1938.6	1934.1
15°	2590.8	2565.3	2491.8	2407.9	2335.9	2280.4	2195.0	2111.0	2042.0	1983.6	1977.6
17.5°	2712.2	2680.7	2593.8	2530.8	2472.3	2415.4	2319.4	2208.5	2117.0	2046.5	2030.1
20°	2788.7	2758.7	2676.2	2641.8	2614.8	2574.3	2460.3	2344.9	2243.0	2156.0	2141.0
22.5°	2862.2	2826.2	2754.2	2754.2	2775.2	2758.7	2635.8	2503.8	2383.9	2283.4	2260.9
25°	2944.6	2916.1	2865.2	2907.1	2959.6	2958.1	2832.2	2667.3	2529.3	2416.9	2394.4
27.5°	3064.6	3036.1	3018.1	3097.6	3163.5	3159.0	3021.1	2842.7	2697.2	2586.3	2565.3
30°	3276.0	3249.0	3229.5	3325.4	3409.4	3377.9	3226.5	3054.1	2907.1	2781.2	2766.2
32.5°	3557.8	3529.3	3503.9	3599.8	3674.8	3634.3	3490.4	3328.4	3159.0	3036.1	3006.1
35°	3928.2	3868.2	3842.7	3956.6	3988.1	3943.2	3805.2	3662.8	3482.9	3341.9	3322.4
37.5°	4310.5	4240.0	4222.0	4321.0	4372.0	4355.5	4193.5	4045.1	3850.2	3694.3	3671.8
40°	4637.3	4572.9	4541.4	4695.8	4811.2	4821.7	4676.3	4494.9	4265.5	4103.6	4063.1
42.5°	4829.2	4773.8	4766.3	5006.2	5195.1	5330.0	5156.1	4968.7	4727.3	4544.4	4511.4
45°	4872.7	4836.7	4899.7	5214.6	5508.4	5754.3	5605.9	5408.0	5147.1	4953.7	4922.2
47.5°	4868.2	4856.2	4968.7	5322.5	5694.3	5997.2	5923.7	5700.3	5448.5	5246.0	5216.1
50°	4803.8	4805.3	4992.7	5376.5	5769.3	6063.2	5989.7	5782.8	5557.9	5358.5	5334.5
52.5°	4778.3	4769.3	4947.7	5360.0	5845.8	6033.2	5868.3	5635.9	5385.5	5139.6	5103.6
55°	4868.2	4845.7	4953.7	5346.5	5854.8	6016.7	5581.9	5078.1	4565.4	4274.5	4250.5
57.5°	5003.2	4979.2	5030.1	5247.5	5385.5	5003.2	4108.1	3295.5	2767.7	2544.3	2446.9
60°	4467.9	4451.4	4412.4	4150.1	3559.3	2685.2	1829.1	1166.5	838.1	677.7	677.7
62.5°	2772.2	2749.7	2538.3	1886.1	1370.4	793.1	436.3	272.9	206.9	193.4	191.9
65°	778.1	773.6	640.2	452.8	287.9	178.4	157.4	160.4	157.4	152.9	151.4
67.5°	116.9	128.9	128.9	105.0	100.5	112.4	131.9	140.9	133.4	125.9	122.9
70°	75.0	81.0	78.0	67.5	72.0	84.0	94.5	96.0	91.5	84.0	82.5
72.5°	52.5	58.5	48.0	43.5	45.0	49.5	54.0	54.0	52.5	49.5	46.5
75°	31.5	31.5	22.5	21.0	21.0	22.5	22.5	25.5	25.5	24.0	22.5
77.5°	10.5	12.0	7.5	6.0	6.0	6.0	7.5	9.0	9.0	7.5	6.0
80°	1.5	3.0	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	1.5
82.5°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
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)