

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: P643474

Luminaire Tested: GWS-SA6F-722-U-SL2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643474  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SAGF-722-U-SL2-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

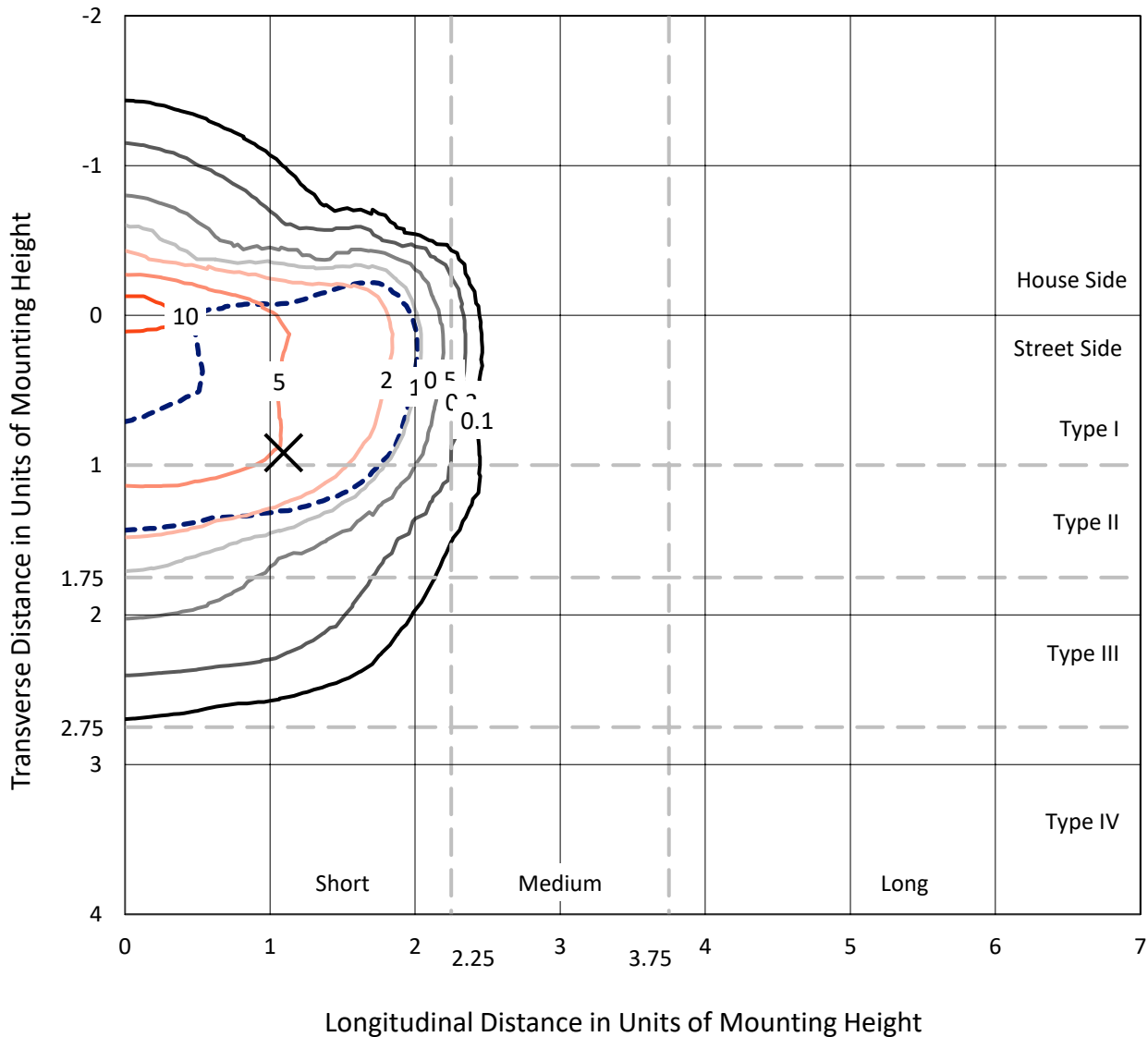
Lumens per Lamp: N/A  
Luminaire Lumens: 21526.6 lumens  
Efficiency: N/A  
Efficacy: 57.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 372.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

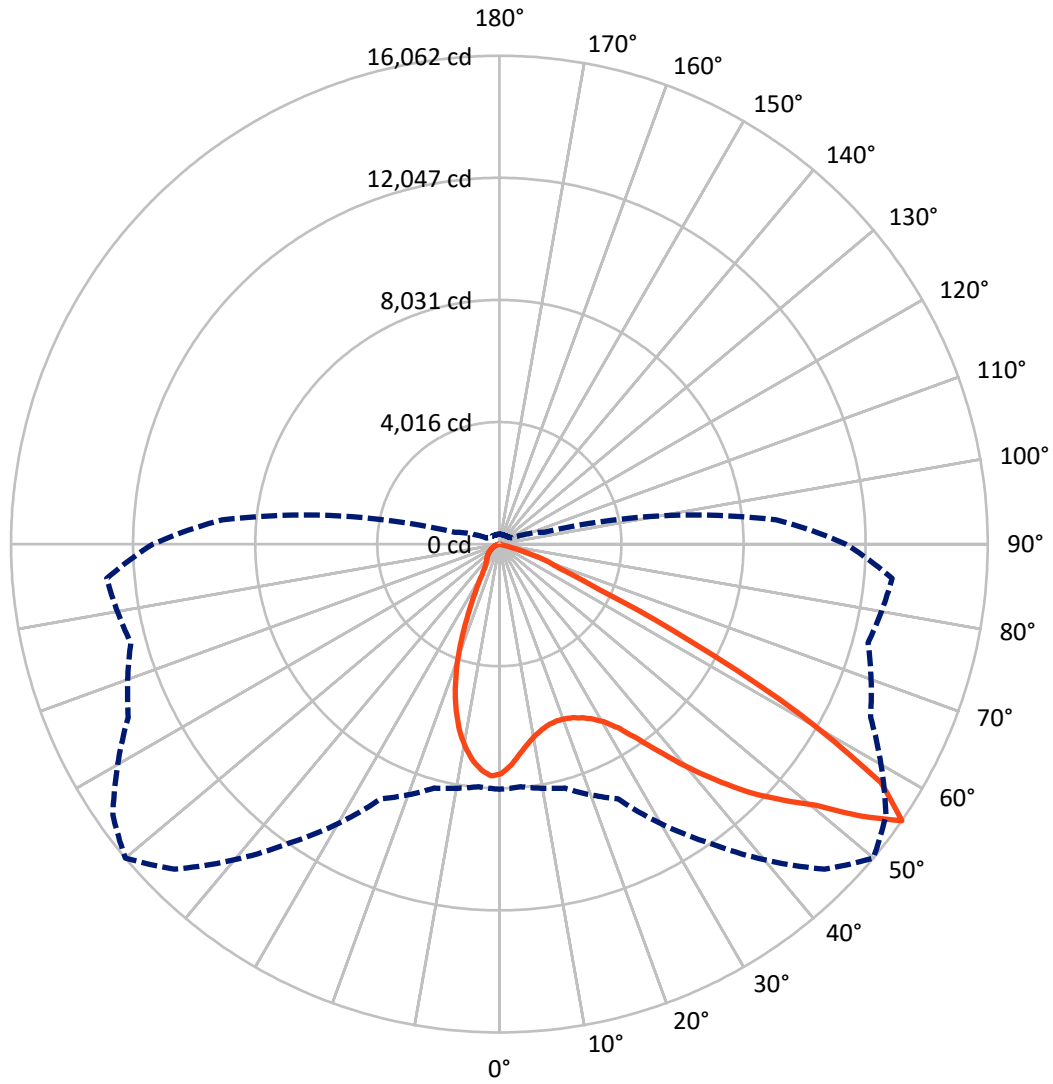
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4241.7	0.0	4241.7
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	17284.9	0.0	17284.9
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	21526.6	0.0	21526.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	663.3	3.1
10°-20°	1632.2	7.6
20°-30°	2302.3	10.7
30°-40°	3407.0	15.8
40°-50°	4915.2	22.8
50°-60°	5797.8	26.9
60°-70°	2586.3	12.0
70°-80°	222.3	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°	21526.6	100.0
0°-180°	21526.6	100.0

**Coefficient of Utilization**



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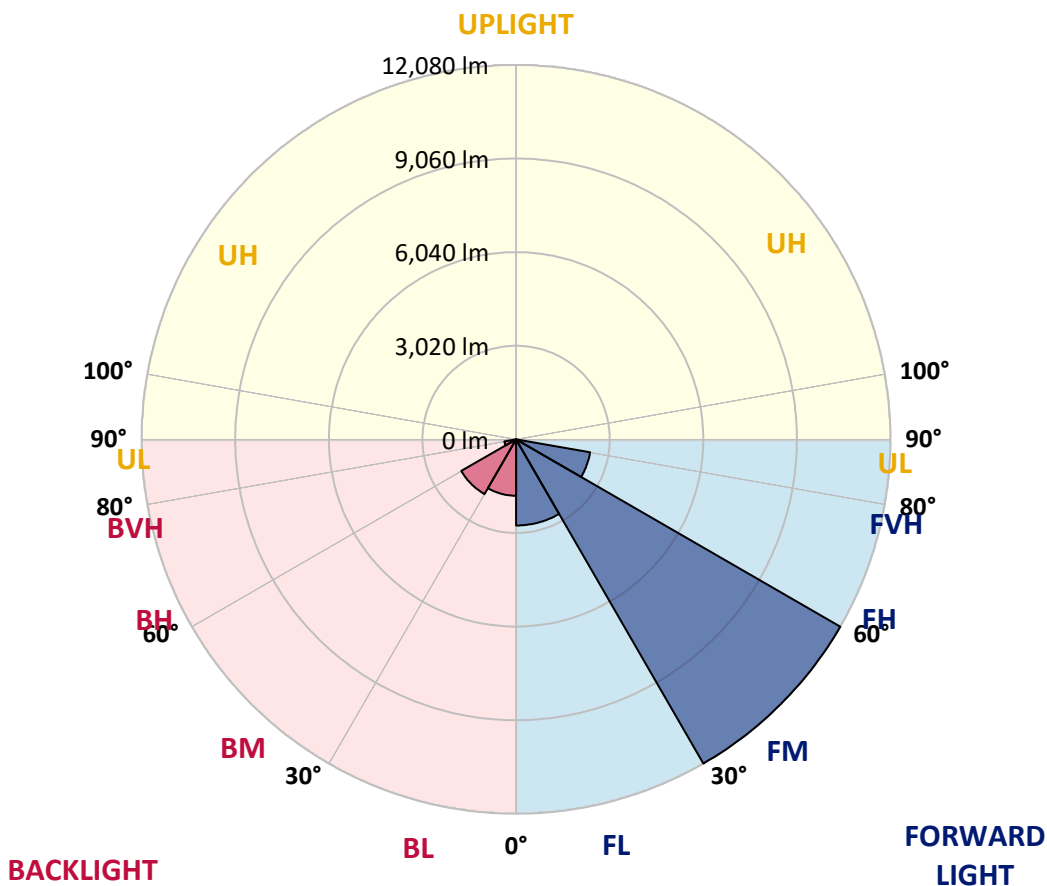
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2779.2	12.9			
FM (30°-60°)	12080.0	56.1			
FH (60°-80°)	2425.7	11.3			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1818.7	8.4	B3/2500		
BM (30°-60°)	2040.0	9.5	B2/2500		
BH (60°-80°)	383.0	1.8	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: B3-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	7552.7	7552.7	7552.7	7552.7	7552.7	7552.7	7552.7	7552.7	7552.7	7552.7	7552.7
2.5°	7016.6	7021.9	7024.5	7095.5	7121.7	7226.9	7282.0	7311.0	7387.2	7476.5	7550.1
5°	6546.2	6538.3	6551.5	6640.8	6698.6	6853.7	6937.8	6995.6	7163.8	7374.0	7550.1
7.5°	6136.3	6152.0	6167.8	6265.0	6351.8	6519.9	6640.8	6727.6	6961.4	7274.2	7571.1
10°	5847.2	5847.2	5870.8	5981.2	6083.7	6291.3	6412.2	6522.6	6801.1	7184.8	7594.8
12.5°	5634.3	5637.0	5665.9	5792.0	5910.3	6125.8	6251.9	6359.6	6667.1	7095.5	7600.0
15°	5534.5	5526.6	5550.2	5684.3	5815.7	6018.0	6149.4	6254.5	6572.5	7045.5	7626.3
17.5°	5508.2	5502.9	5521.3	5652.7	5786.7	5983.8	6112.6	6217.7	6559.4	7061.3	7705.1
20°	5584.4	5573.9	5566.0	5679.0	5805.1	5999.6	6133.6	6251.9	6622.4	7148.0	7826.0
22.5°	5765.7	5765.7	5747.3	5802.5	5886.6	6062.7	6202.0	6357.0	6788.0	7321.5	8004.7
25°	6099.5	6073.2	6039.0	6062.7	6052.2	6162.5	6328.1	6543.6	7100.7	7607.9	8222.9
27.5°	6480.5	6504.2	6446.4	6449.0	6357.0	6317.6	6509.4	6835.3	7565.9	8012.6	8546.1
30°	6998.2	6979.8	6982.5	6974.6	6761.7	6575.1	6782.7	7216.4	8151.9	8630.2	8966.6
32.5°	7402.9	7429.2	7515.9	7565.9	7287.3	6987.7	7208.5	7734.1	8819.4	9334.5	9481.6
35°	7831.3	7878.6	8054.7	8217.6	7983.7	7639.5	7876.0	8420.0	9447.5	10030.9	10072.9
37.5°	8283.3	8377.9	8588.1	8874.6	8837.8	8533.0	8748.4	9226.7	9941.5	10451.4	10561.7
40°	8801.0	8893.0	9237.2	9649.8	9736.6	9668.2	9739.2	10017.7	10267.4	10469.8	10772.0
42.5°	9368.6	9494.8	9931.0	10482.9	10808.8	10869.2	10703.6	10674.7	10409.3	10259.5	10727.3
45°	10038.8	10185.9	10680.0	11394.8	11912.5	11994.0	11707.5	11337.0	10498.7	10104.5	10593.3
47.5°	10790.4	10929.6	11421.1	12280.4	13050.4	13081.9	12582.6	11986.1	10764.1	10283.2	10695.8
50°	11042.6	11129.4	11555.1	12564.2	13983.3	14225.1	13502.4	12716.6	11297.6	10808.8	11195.1
52.5°	10175.4	10209.6	10580.1	11599.8	13794.1	15347.2	14845.3	13807.2	12246.2	11610.3	11965.1
55°	8062.6	8007.4	8306.9	9242.5	11988.7	15118.6	16062.0	15520.7	13468.2	12551.1	12966.3
57.5°	5639.6	5573.9	5505.6	6138.9	8945.5	12816.5	14800.6	15759.8	14632.4	13484.0	14046.4
60°	4635.7	4572.6	4241.5	3949.8	5408.3	9203.1	11368.5	13173.9	14537.8	13436.7	14012.2
62.5°	4005.0	3968.2	3834.2	3437.4	3182.4	5253.3	7119.1	8848.3	11155.6	10551.2	10582.8
65°	3145.7	3135.1	3227.1	3269.2	2814.5	2906.5	3631.8	4598.9	6031.1	5686.9	5392.6
67.5°	2149.7	2126.0	2299.5	2827.7	2706.8	2294.2	2126.0	2144.4	2609.6	1595.2	1266.7
70°	1366.5	1311.3	1314.0	1752.8	2202.2	1810.7	1639.8	1442.7	1298.2	236.5	268.1
72.5°	875.1	840.9	722.7	791.0	1019.6	883.0	890.9	767.4	512.5	126.1	147.2
75°	367.9	339.0	260.2	207.6	205.0	128.8	113.0	105.1	71.0	71.0	76.2
77.5°	2.6	0.0	0.0	2.6	5.3	2.6	2.6	5.3	10.5	15.8	18.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
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°	7552.7	7552.7	7552.7	7552.7	7552.7	7552.7	7552.7	7552.7	7552.7	7552.7	7552.7
2.5°	7594.8	7531.7	7602.7	7628.9	7626.3	7628.9	7552.7	7500.2	7497.5	7431.8	7400.3
5°	7623.7	7573.8	7626.3	7592.1	7510.7	7408.2	7271.5	7153.3	7100.7	7024.5	6987.7
7.5°	7678.9	7626.3	7618.4	7481.8	7279.4	7063.9	6822.2	6606.7	6491.0	6351.8	6359.6
10°	7718.3	7657.8	7555.4	7276.8	6940.4	6596.2	6236.1	5915.5	5713.2	5526.6	5495.0
12.5°	7734.1	7644.7	7405.6	6985.1	6512.1	6062.7	5534.5	5077.2	4761.8	4517.4	4483.3
15°	7763.0	7618.4	7213.7	6632.9	5983.8	5347.9	4675.1	4049.7	3631.8	3350.6	3374.3
17.5°	7807.6	7589.5	6998.2	6238.8	5416.2	4517.4	3608.2	2890.7	2507.1	2344.1	2346.8
20°	7870.7	7555.4	6761.7	5805.1	4735.6	3579.3	2522.8	1981.5	1873.7	1868.5	1860.6
22.5°	7954.8	7521.2	6509.4	5329.5	3928.8	2507.1	1679.3	1511.1	1555.7	1642.5	1658.2
25°	8054.7	7479.1	6228.2	4793.4	3048.4	1645.1	1258.8	1232.5	1340.3	1455.9	1482.2
27.5°	8209.7	7458.1	5907.6	4183.7	2139.2	1179.9	1030.2	1045.9	1143.2	1240.4	1264.0
30°	8472.5	7497.5	5558.1	3500.4	1374.4	940.8	893.5	917.2	969.7	1019.6	1040.7
32.5°	8829.9	7613.2	5219.1	2754.1	980.2	817.3	806.8	819.9	840.9	869.9	877.7
35°	9247.8	7812.9	4869.6	1971.0	809.4	746.3	735.8	735.8	746.3	751.6	754.2
37.5°	9592.0	8023.1	4541.1	1311.3	725.3	691.2	675.4	667.5	664.9	670.1	672.8
40°	9741.8	8109.9	4183.7	953.9	664.9	641.2	617.6	593.9	593.9	612.3	614.9
42.5°	9636.7	8012.6	3771.1	788.4	622.8	588.7	551.9	530.8	541.4	559.8	565.0
45°	9413.3	7773.5	3316.5	696.4	580.8	536.1	494.1	480.9	491.4	515.1	520.3
47.5°	9376.5	7615.8	2772.5	636.0	536.1	491.4	446.8	433.6	446.8	465.1	470.4
50°	9741.8	7752.5	2168.1	583.4	494.1	444.1	407.3	394.2	402.1	412.6	417.8
52.5°	10409.3	8259.6	1750.2	533.5	444.1	396.8	373.2	357.4	357.4	367.9	370.5
55°	11394.8	9145.3	1511.1	475.7	386.3	360.0	339.0	323.2	323.2	328.5	331.1
57.5°	12530.1	10217.5	1566.3	399.4	339.0	325.9	307.5	294.3	299.6	299.6	299.6
60°	12372.4	10138.6	1676.6	336.4	299.6	294.3	278.6	273.3	286.4	275.9	270.7
62.5°	9113.7	7003.5	877.7	275.9	257.5	252.3	241.8	252.3	270.7	241.8	231.3
65°	4425.5	3390.1	352.1	226.0	218.1	212.9	207.6	223.4	233.9	189.2	178.7
67.5°	1040.7	846.2	228.6	191.8	181.3	170.8	176.1	178.7	170.8	128.8	123.5
70°	270.7	265.4	178.7	160.3	144.5	134.0	134.0	131.4	113.0	81.5	76.2
72.5°	147.2	144.5	128.8	120.9	99.9	89.4	92.0	81.5	63.1	47.3	44.7
75°	73.6	78.8	73.6	68.3	55.2	49.9	49.9	44.7	31.5	18.4	18.4
77.5°	15.8	18.4	18.4	15.8	13.1	10.5	10.5	13.1	5.3	0.0	0.0
80°	2.6	2.6	2.6	2.6	2.6	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)