

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: P643768

Luminaire Tested: GWS-SA6F-750-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643768
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-SAGF-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: 30240.9 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

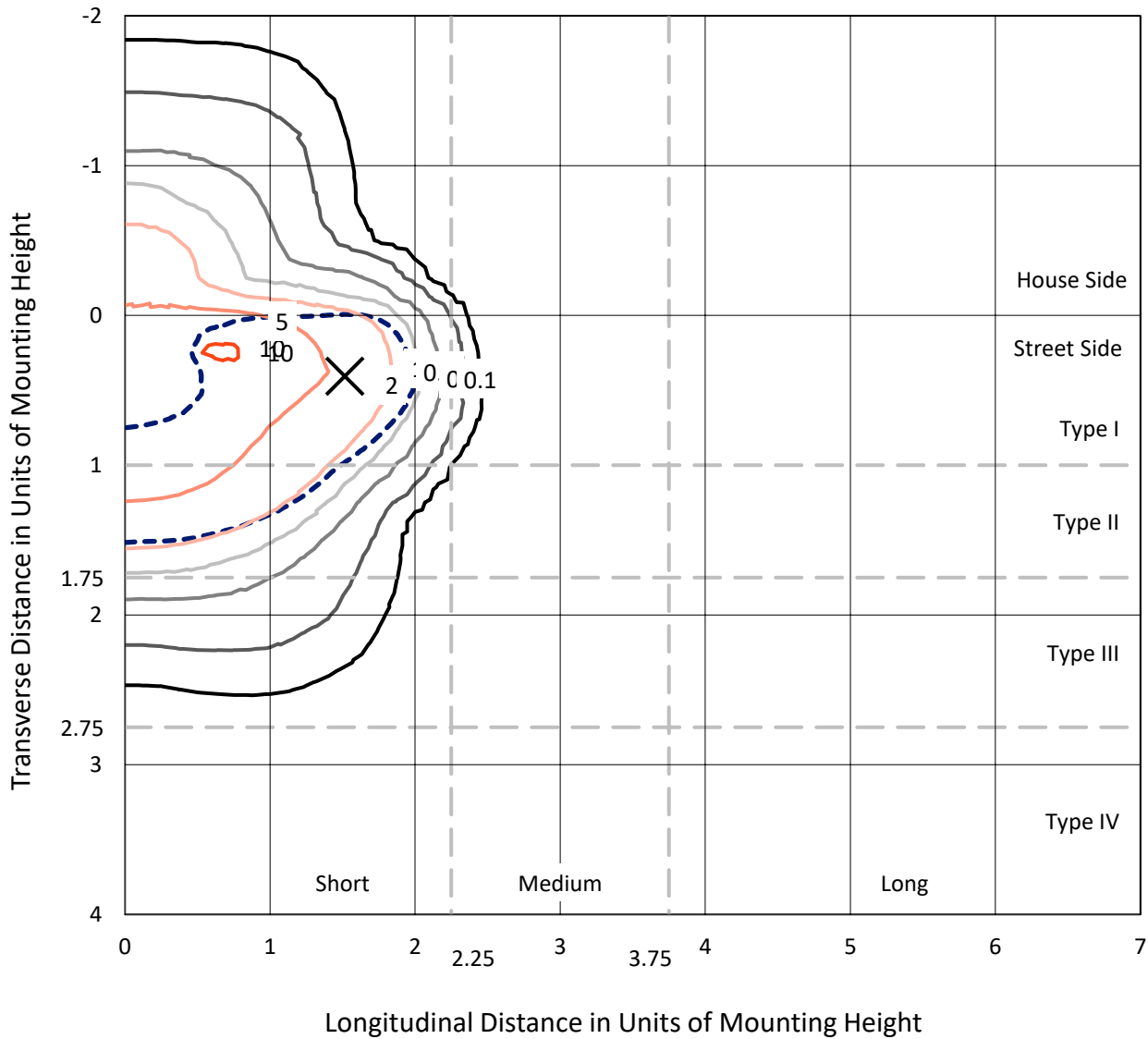
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

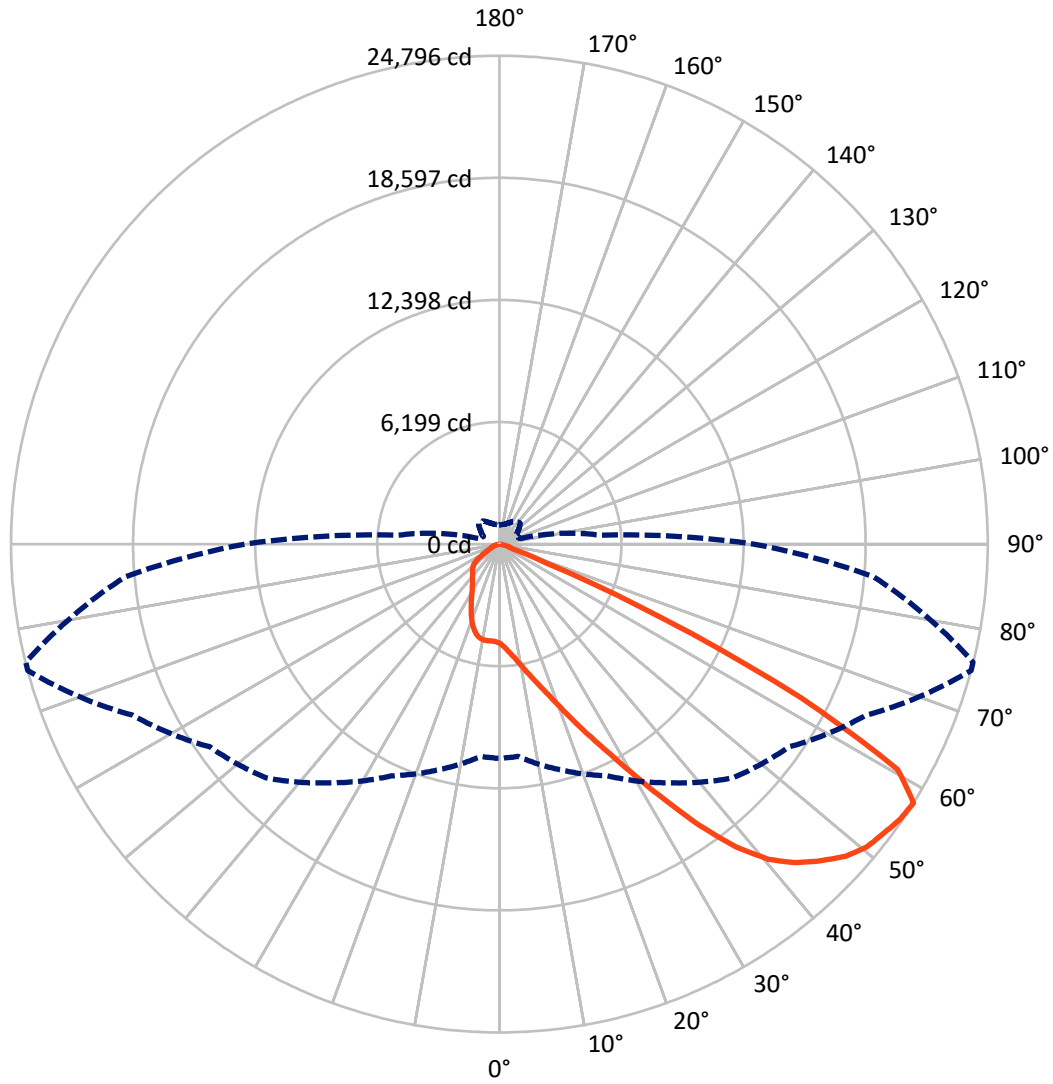
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 10.5 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
House Side	Lumens	4939.8	0.0	4939.8
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	25301.1	0.0	25301.1
	% Fixture	83.7	0.0	83.7
Total	Lumens	30240.9	0.0	30240.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	513.2	1.7
10°-20°	1667.2	5.5
20°-30°	3053.1	10.1
30°-40°	5065.4	16.8
40°-50°	7736.1	25.6
50°-60°	8692.8	28.7
60°-70°	3206.3	10.6
70°-80°	306.5	1.0
80°-90°	0.2	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°	30240.9	100.0
0°-180°	30240.9	100.0

Coefficient of Utilization



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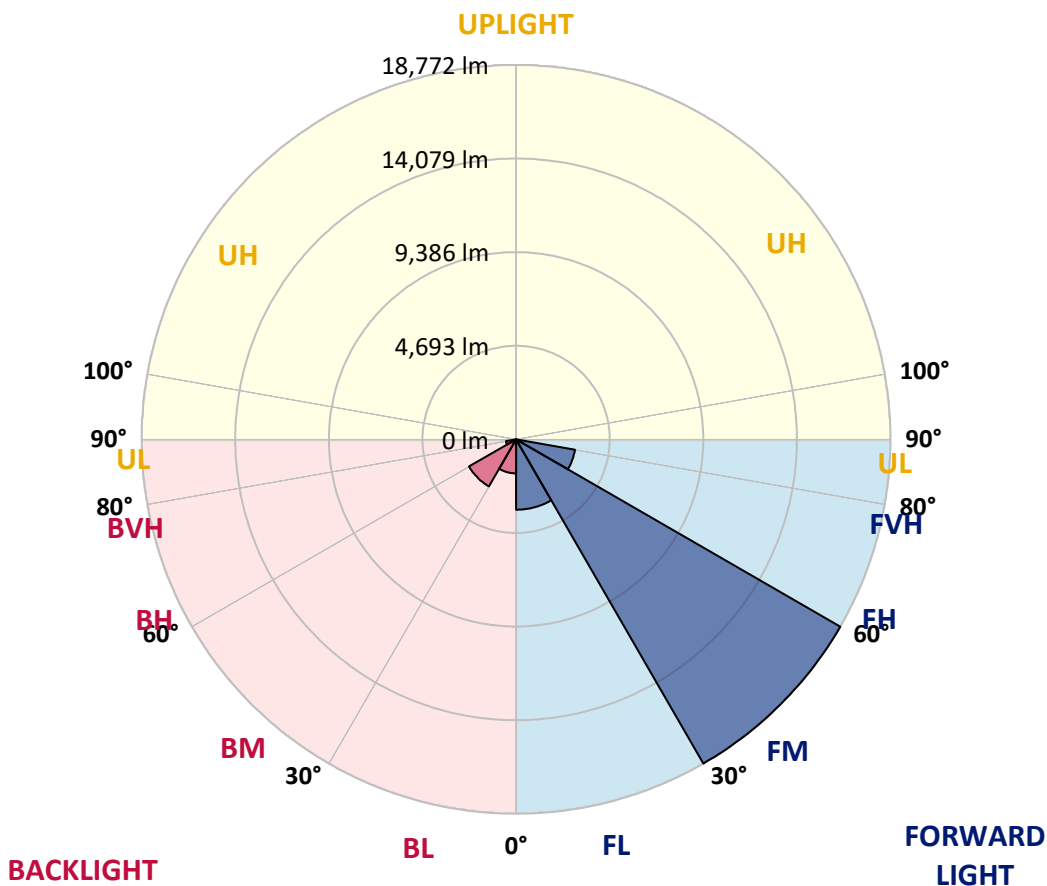
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3529.1	11.7			
FM (30°-60°)	18772.1	62.1			
FH (60°-80°)	2999.8	9.9			G2/5000
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	1704.5	5.6	B3/2500		
BM (30°-60°)	2722.1	9.0	B3/5000		
BH (60°-80°)	513.0	1.7	B2/1000		G2/1000
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°	55°	65°	75°	76°	85°
0°	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8
2.5°	5635.0	5693.4	5675.1	5638.6	5616.7	5540.1	5492.7	5354.0	5255.4	5244.5	5153.2
5°	6346.7	6335.7	6321.1	6277.3	6240.8	6120.4	5978.1	5744.5	5536.5	5510.9	5317.5
7.5°	6737.2	6744.5	6751.8	6744.5	6718.9	6627.7	6470.8	6197.0	5879.5	5857.6	5551.1
10°	6897.8	6912.4	6948.9	7018.2	7080.2	7072.9	6981.7	6700.7	6310.2	6273.7	5861.3
12.5°	6974.4	6992.7	7051.0	7182.4	7350.3	7481.7	7496.3	7244.5	6813.8	6755.4	6229.9
15°	7080.2	7098.5	7171.5	7343.0	7587.5	7846.7	8014.5	7854.0	7372.2	7310.2	6635.0
17.5°	7127.7	7153.2	7259.1	7485.4	7802.9	8200.7	8580.2	8565.6	8032.8	7985.3	7105.8
20°	7218.9	7237.2	7332.1	7576.6	7959.8	8532.8	9171.5	9401.4	8839.4	8770.0	7675.1
22.5°	7507.2	7514.5	7558.3	7711.6	8069.3	8773.7	9773.7	10375.8	9791.9	9700.7	8313.8
25°	7978.0	7974.4	7992.6	8018.2	8281.0	9018.2	10353.9	11474.4	10883.1	10784.6	9036.4
27.5°	8576.6	8576.6	8620.4	8547.4	8653.2	9321.1	10926.9	12737.1	12153.2	12014.5	9828.4
30°	9281.0	9277.3	9379.5	9262.7	9295.6	9799.2	11543.7	14113.0	13686.0	13514.5	10740.8
32.5°	10237.2	10215.3	10332.0	10171.5	10062.0	10521.8	12295.5	15551.0	15521.8	15259.0	11886.8
35°	11445.2	11408.7	11445.2	11288.2	11091.2	11532.8	13280.9	16985.3	17558.3	17280.9	13251.7
37.5°	12645.9	12762.7	12802.8	12532.8	12372.2	12813.8	14467.1	18269.9	19503.5	19215.2	14671.4
40°	14061.9	14025.5	14164.1	13861.2	13759.0	14248.1	15627.6	19226.1	21043.7	20769.9	15934.2
42.5°	15105.7	15171.4	15343.0	15175.1	15094.8	15554.6	16602.1	19784.5	22113.0	21842.9	16835.7
45°	16357.6	16405.0	16470.7	16332.0	16248.1	16700.6	17306.5	20029.1	22926.9	22634.9	17441.5
47.5°	17711.6	17748.1	17748.1	17463.4	17193.3	17379.4	17777.3	20167.7	23675.0	23394.0	17890.4
50°	18682.4	18700.6	18861.2	18660.5	18072.9	17784.5	17992.6	20302.8	24171.4	23908.6	18036.4
52.5°	17821.0	17799.1	18328.3	18744.4	18901.3	18328.3	18364.8	20499.9	24412.2	24186.0	18153.2
55°	15007.2	14970.7	15715.2	16726.2	18109.4	18842.9	18813.7	20616.6	24678.7	24540.0	18576.5
57.5°	10879.5	10817.4	11853.9	12978.0	14791.9	16780.9	17948.8	20551.0	24795.5	24784.5	19069.2
60°	6540.1	6489.0	7467.1	8649.6	10051.0	12051.0	13989.0	18408.6	23233.4	23255.3	17788.2
62.5°	4025.5	4073.0	4956.2	5558.4	6080.3	6682.4	7802.9	12383.1	17211.6	17353.9	12499.9
65°	2708.0	2744.5	3562.0	4321.1	4321.1	3532.8	3032.8	5919.7	9182.4	8941.5	5912.4
67.5°	1817.5	1857.7	2503.6	3390.5	3518.2	2463.5	1229.9	1766.4	2558.4	2481.7	1463.5
70°	1069.3	1113.1	1667.9	2324.8	2562.0	1715.3	821.2	748.2	726.3	704.4	569.3
72.5°	478.1	496.3	850.4	1182.5	1080.3	722.6	580.3	598.5	565.7	554.7	463.5
75°	146.0	153.3	219.0	255.5	259.1	259.1	350.4	470.8	445.3	448.9	357.7
77.5°	36.5	36.5	58.4	54.7	29.2	25.5	65.7	105.8	109.5	98.5	73.0
80°	0.0	0.0	0.0	0.0	0.0	3.6	3.6	3.6	3.6	3.6	3.6
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°	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8
2.5°	5113.1	5018.2	4956.2	4868.6	4806.5	4740.8	4682.4	4635.0	4609.5	4602.2	4605.8
5°	5229.9	5080.3	4934.3	4766.4	4649.6	4540.1	4452.5	4383.2	4350.3	4339.4	4339.4
7.5°	5408.7	5200.7	4941.6	4678.8	4481.7	4310.2	4208.0	4131.4	4102.2	4094.9	4073.0
10°	5642.3	5357.6	4930.6	4521.9	4244.5	4065.7	3992.7	3970.8	3981.7	3985.4	3981.7
12.5°	5923.3	5521.9	4861.3	4291.9	3992.7	3883.2	3890.5	3948.9	4014.6	4047.4	4054.7
15°	6222.6	5671.5	4704.3	4018.2	3777.3	3773.7	3879.5	4014.6	4142.3	4197.1	4211.7
17.5°	6558.3	5791.9	4463.5	3726.3	3591.2	3697.1	3886.8	4094.9	4266.4	4357.6	4375.9
20°	6927.0	5890.5	4156.9	3452.5	3427.0	3616.8	3879.5	4135.0	4346.7	4448.9	4467.1
22.5°	7310.2	5959.8	3802.9	3200.7	3277.3	3525.5	3810.2	4058.4	4259.1	4375.9	4390.5
25°	7748.1	5967.1	3441.6	2989.0	3138.7	3401.4	3642.3	3846.7	4014.6	4116.8	4127.7
27.5°	8131.3	5879.5	3120.4	2817.5	3010.9	3248.2	3408.7	3521.9	3638.7	3697.1	3700.7
30°	8572.9	5726.2	2817.5	2678.8	2879.5	3058.4	3138.7	3164.2	3175.2	3186.1	3171.5
32.5°	9098.5	5540.1	2591.2	2543.8	2729.9	2850.3	2872.2	2821.1	2759.1	2671.5	2649.6
35°	9744.5	5372.2	2405.1	2412.4	2565.7	2638.7	2620.4	2510.9	2390.5	2284.7	2266.4
37.5°	10445.2	5229.9	2262.8	2284.7	2386.8	2437.9	2383.2	2262.8	2208.0	2116.8	2120.4
40°	11065.6	5113.1	2135.0	2156.9	2204.4	2251.8	2164.2	2083.9	2186.1	2178.8	2186.1
42.5°	11507.2	5014.6	2025.5	2014.6	2047.4	2080.3	2014.6	1974.4	2146.0	2098.5	2124.1
45°	11766.3	4923.3	1934.3	1868.6	1919.7	1978.1	1934.3	1883.2	1941.6	1722.6	1704.4
47.5°	11941.5	4872.2	1854.0	1726.3	1817.5	1919.7	1828.5	1704.4	1620.4	1430.6	1416.0
50°	11959.8	4846.7	1759.1	1580.3	1697.1	1806.6	1700.7	1529.2	1408.7	1324.8	1313.9
52.5°	12054.7	4897.8	1627.7	1394.2	1521.9	1697.1	1624.1	1452.5	1288.3	1215.3	1200.7
55°	12478.0	5113.1	1408.7	1138.7	1324.8	1613.1	1562.0	1295.6	1138.7	1094.9	1083.9
57.5°	12916.0	5156.9	1109.5	901.5	1153.3	1492.7	1427.0	1193.4	1040.1	989.0	978.1
60°	11810.1	4248.1	832.1	744.5	1018.2	1379.6	1321.2	1131.4	952.5	890.5	879.6
62.5°	7759.1	2295.6	660.6	631.4	857.7	1167.9	1204.4	1021.9	850.4	784.7	781.0
65°	3576.6	1065.7	507.3	500.0	671.5	930.7	1036.5	894.2	719.0	660.6	660.6
67.5°	974.4	529.2	397.8	368.6	456.2	624.1	755.5	667.9	510.9	441.6	438.0
70°	485.4	427.0	357.7	317.5	328.5	386.9	445.3	372.3	259.1	211.7	208.0
72.5°	397.8	350.4	302.9	270.1	248.2	237.2	229.9	186.1	120.4	91.2	87.6
75°	295.6	251.8	215.3	175.2	149.6	138.7	124.1	91.2	51.1	29.2	25.5
77.5°	65.7	62.0	58.4	43.8	40.1	32.8	25.5	18.2	7.3	0.0	0.0
80°	3.6	3.6	3.6	3.6	3.6	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)