

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: P642612

Luminaire Tested: GWS-SA6D-730-U-T1-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642612  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6D-730-U-T1-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: (96) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

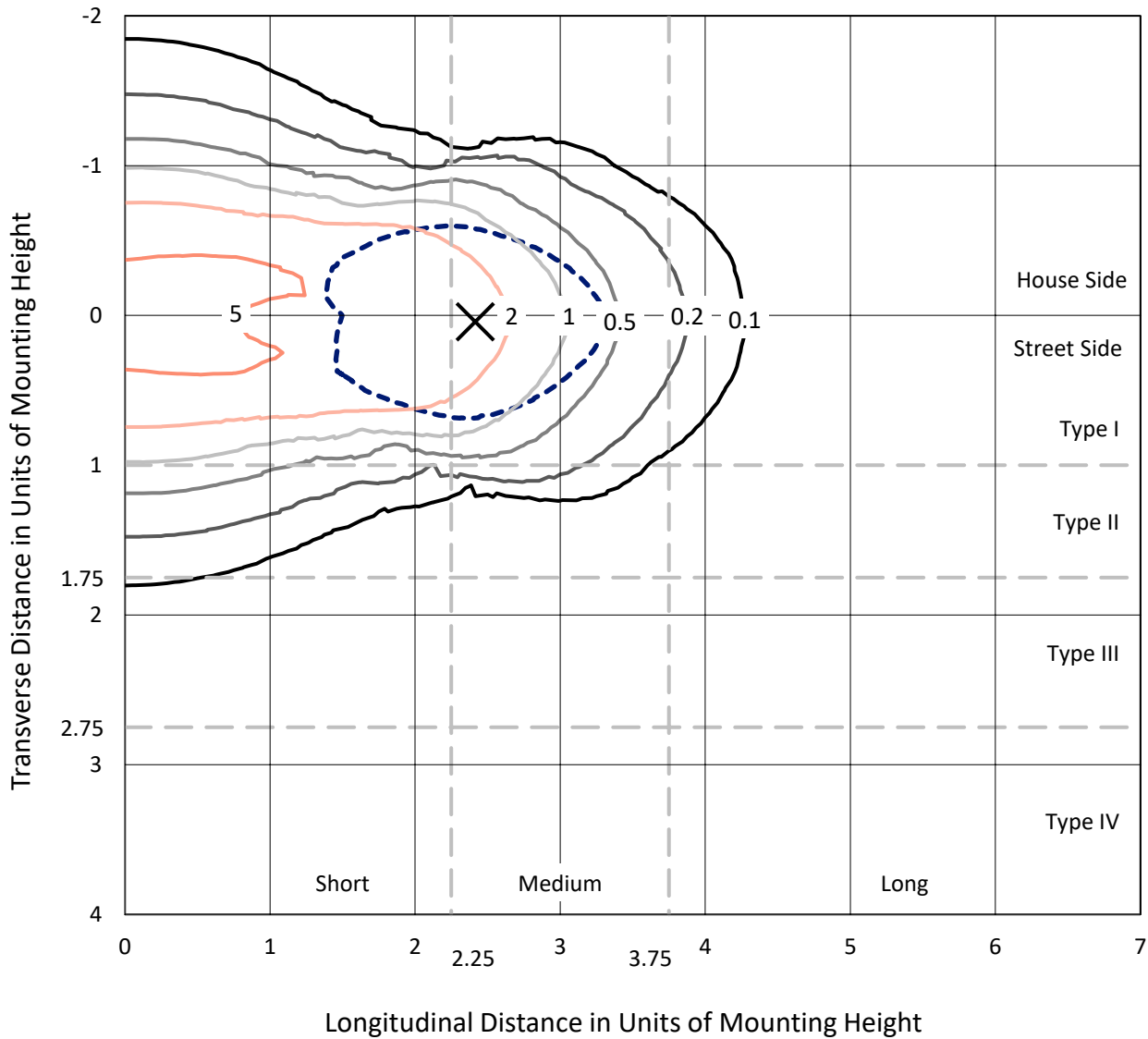
Lumens per Lamp: N/A  
Luminaire Lumens: 32560.1 lumens  
Efficiency: N/A  
Efficacy: 132.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type I - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

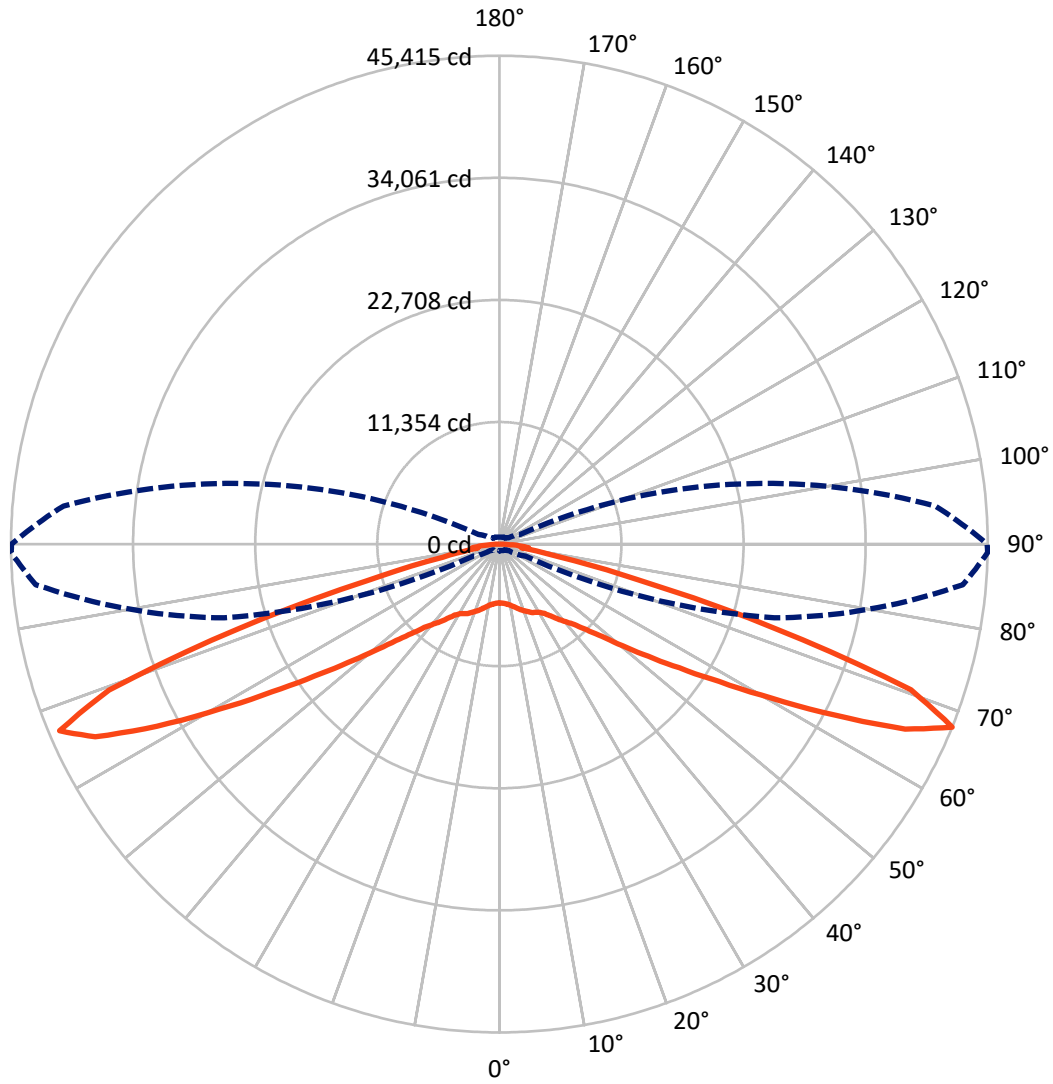
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.6 fc  
 Type I - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16137.4	0.0	16137.4
	% Fixture	49.6	0.0	49.6
<b>Street Side</b>	Lumens	16422.7	0.0	16422.7
	% Fixture	50.4	0.0	50.4
<b>Total</b>	Lumens	32560.1	0.0	32560.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	548.2	1.7
10°-20°	1784.9	5.5
20°-30°	3017.4	9.3
30°-40°	4140.9	12.7
40°-50°	5280.6	16.2
50°-60°	6625.4	20.3
60°-70°	7990.7	24.5
70°-80°	2890.8	8.9
80°-90°	281.1	0.9
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°	32560.1	100.0
0°-180°	32560.1	100.0

**Coefficient of Utilization**



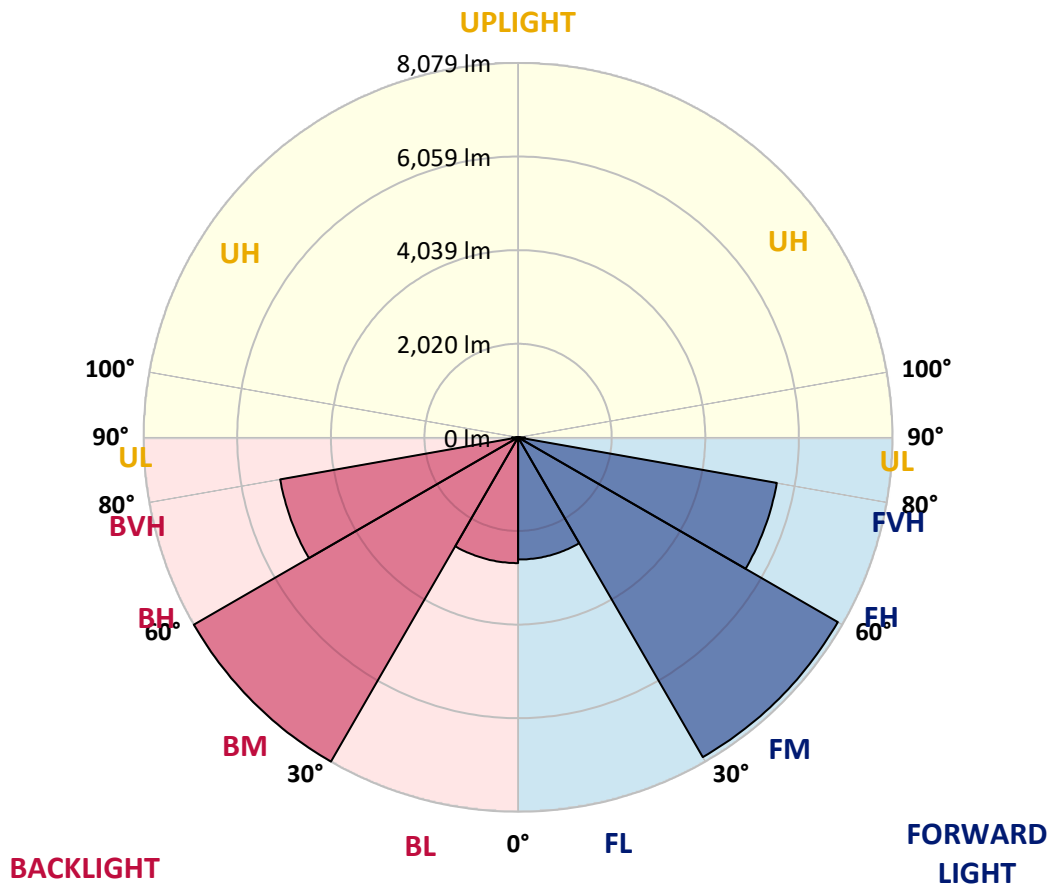
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2637.1	8.1			
FM (30°-60°)	7968.1	24.5			
FH (60°-80°)	5669.2	17.4			G3/7500
FVH (80°-90°)	148.3	0.5			G2/225
BL (0°-30°)	2713.4	8.3	B4/5000		
BM (30°-60°)	8078.8	24.8	B4/8500		
BH (60°-80°)	5212.4	16.0	B5		G5
BVH (80°-90°)	132.8	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type I Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	5465.0	5465.0	5465.0	5465.0	5465.0	5465.0	5465.0	5465.0	5465.0	5465.0	5465.0
2.5°	5481.3	5476.6	5465.0	5500.0	5493.0	5495.4	5509.4	5500.0	5483.7	5455.6	5495.4
5°	5635.7	5633.3	5607.6	5628.6	5605.3	5588.9	5586.5	5563.2	5544.5	5514.1	5556.1
7.5°	5785.3	5783.0	5761.9	5799.3	5780.6	5761.9	5740.9	5694.1	5649.7	5605.3	5652.0
10°	5899.9	5897.6	5892.9	5946.7	5951.3	5958.4	5949.0	5869.5	5792.3	5738.5	5785.3
12.5°	5965.4	5972.4	5984.1	6082.3	6131.4	6178.2	6189.9	6124.4	5995.8	5918.6	5974.7
15°	5920.9	5935.0	5993.4	6171.2	6306.8	6412.0	6456.5	6402.7	6236.6	6108.0	6171.2
17.5°	5708.1	5719.8	5834.4	6105.7	6405.0	6648.2	6720.7	6688.0	6503.2	6346.5	6407.3
20°	5413.5	5439.2	5563.2	5942.0	6388.6	6811.9	7006.0	6994.3	6793.2	6552.3	6624.8
22.5°	5146.9	5177.3	5308.3	5726.9	6278.7	6854.0	7293.6	7324.0	7057.4	6758.1	6816.6
25°	4847.6	4875.7	5044.0	5472.0	6089.3	6821.2	7539.2	7677.1	7356.8	6994.3	7048.1
27.5°	4541.3	4562.3	4728.3	5184.3	5841.4	6760.5	7733.2	8065.3	7651.4	7158.0	7195.4
30°	4272.3	4300.4	4452.4	4896.7	5570.2	6638.9	7892.3	8479.2	7990.5	7342.7	7373.1
32.5°	4012.8	4036.2	4202.2	4613.8	5282.6	6451.8	8034.9	8965.6	8493.2	7686.5	7686.5
35°	3685.4	3727.5	3914.6	4342.5	5011.3	6203.9	8137.8	9531.5	9180.7	8193.9	8196.3
37.5°	3383.7	3407.1	3603.5	4036.2	4726.0	5923.3	8147.1	10118.5	10050.6	8839.3	8844.0
40°	3040.0	3070.4	3280.8	3708.8	4398.6	5628.6	8058.3	10665.7	10962.6	9503.4	9477.7
42.5°	2691.6	2736.0	2937.1	3355.7	4045.5	5268.5	7822.1	11187.1	12120.2	10272.8	10209.7
45°	2354.8	2382.9	2584.0	2979.2	3641.0	4838.2	7443.3	11687.6	13495.2	11442.0	11350.8
47.5°	1976.0	1987.7	2195.8	2574.6	3222.4	4358.9	6900.8	12134.2	15005.8	12990.1	12833.4
50°	1639.3	1655.6	1819.3	2144.4	2710.3	3790.6	6224.9	12396.1	16930.4	15101.7	14830.4
52.5°	1325.9	1342.3	1473.2	1732.8	2240.2	3142.9	5387.8	12335.3	18883.0	17723.1	17327.9
55°	1071.0	1082.7	1171.6	1375.0	1763.2	2499.8	4398.6	11790.4	21050.7	21146.6	20295.4
57.5°	905.0	909.7	970.5	1094.4	1377.3	1926.9	3395.4	10504.3	23323.7	25514.8	24116.4
60°	809.1	811.4	839.5	916.7	1087.4	1470.9	2488.1	8455.8	25678.5	30979.7	29062.2
62.5°	748.3	748.3	771.7	816.1	902.6	1131.8	1828.7	6072.9	27369.2	36926.4	35020.6
65°	689.8	689.8	706.2	743.6	790.4	923.7	1372.7	3916.9	28199.3	41898.0	41474.7
67.5°	615.0	617.3	629.0	668.8	710.9	771.7	1040.6	2649.5	26475.9	43273.0	45415.0
70°	544.9	547.2	563.6	589.3	624.4	666.5	813.8	1826.3	19271.1	36040.1	40607.1
72.5°	467.7	477.0	488.7	516.8	537.8	568.2	664.1	1183.3	11212.9	23183.4	26843.0
75°	383.5	395.2	409.2	437.3	451.3	463.0	547.2	844.2	5394.8	11748.4	13378.3
77.5°	297.0	308.7	325.0	350.8	360.1	374.2	418.6	610.3	2584.0	5207.7	5614.6
80°	198.8	203.4	217.5	247.9	264.2	273.6	308.7	416.2	1122.5	2090.6	2071.9
82.5°	121.6	123.9	128.6	147.3	154.3	163.7	201.1	254.9	535.5	2375.9	2724.3
85°	44.4	42.1	39.8	51.4	60.8	70.2	93.5	128.6	233.8	1632.2	1826.3
87.5°	0.0	0.0	0.0	2.3	4.7	4.7	9.4	18.7	56.1	610.3	418.6
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°	5465.0	5465.0	5465.0	5465.0	5465.0	5465.0	5465.0	5465.0	5465.0	5465.0	5465.0
2.5°	5483.7	5457.9	5490.7	5514.1	5565.5	5584.2	5588.9	5572.5	5572.5	5544.5	5549.1
5°	5546.8	5530.4	5584.2	5624.0	5698.8	5726.9	5745.6	5733.9	5740.9	5722.2	5726.9
7.5°	5642.7	5628.6	5722.2	5799.3	5876.5	5909.3	5925.6	5916.3	5918.6	5895.2	5902.2
10°	5776.0	5780.6	5892.9	5993.4	6096.3	6129.1	6136.1	6108.0	6084.6	6042.5	6044.9
12.5°	5958.4	5981.7	6140.8	6253.0	6358.2	6405.0	6353.6	6250.7	6154.8	6082.3	6072.9
15°	6157.1	6199.2	6428.4	6571.0	6685.6	6662.2	6510.2	6278.7	6089.3	5981.7	5960.7
17.5°	6395.7	6458.8	6746.4	6917.1	7015.3	6865.7	6547.7	6201.6	5937.3	5792.3	5764.3
20°	6620.1	6720.7	7083.2	7305.3	7317.0	6980.3	6531.3	6044.9	5712.8	5535.1	5497.7
22.5°	6825.9	6954.5	7436.3	7719.2	7567.2	7031.7	6430.7	5822.7	5441.6	5233.4	5200.7
25°	7050.4	7232.8	7847.8	8112.1	7817.4	7010.7	6220.3	5546.8	5114.2	4901.4	4878.0
27.5°	7204.8	7433.9	8261.7	8514.3	8023.2	6891.4	5949.0	5245.1	4814.9	4613.8	4581.0
30°	7382.5	7674.8	8717.7	8951.6	8149.5	6716.0	5659.0	4964.5	4536.6	4319.1	4295.7
32.5°	7705.2	8072.3	9283.6	9414.6	8189.2	6498.5	5380.8	4693.3	4246.6	4029.1	3996.4
35°	8224.3	8654.6	10078.7	9931.4	8158.8	6260.0	5116.5	4375.2	3949.6	3746.2	3713.5
37.5°	8879.1	9414.6	10965.0	10396.7	8074.7	5998.1	4803.2	4108.7	3683.1	3477.3	3458.6
40°	9489.4	10148.9	11958.8	10798.9	7904.0	5675.4	4501.5	3830.4	3395.4	3177.9	3135.9
42.5°	10254.1	11131.0	13109.3	11147.4	7623.3	5289.6	4162.4	3486.6	3035.3	2838.9	2787.4
45°	11416.3	12506.0	14446.9	11481.8	7204.8	4814.9	3736.8	3068.0	2640.1	2439.0	2399.2
47.5°	12866.1	14224.8	15896.8	11680.5	6568.7	4314.4	3255.1	2626.1	2198.1	1971.3	1952.6
50°	14902.9	16724.6	17451.8	11645.5	5857.8	3720.5	2712.6	2099.9	1742.1	1578.5	1552.7
52.5°	17384.0	19862.8	19133.2	11224.5	5102.5	3044.7	2114.0	1648.6	1382.0	1265.1	1244.1
55°	20496.5	23620.7	20903.4	10321.9	4148.4	2331.4	1660.3	1300.2	1117.8	1047.6	1038.3
57.5°	24350.2	28487.0	22608.1	8801.9	3119.5	1779.6	1279.1	1073.3	986.8	944.7	942.4
60°	29436.4	33652.6	24088.3	6840.0	2233.2	1361.0	1057.0	958.8	890.9	862.9	860.5
62.5°	35483.6	38343.5	25009.7	4658.2	1679.0	1085.0	930.7	869.9	830.1	813.8	811.4
65°	41699.2	41308.7	24570.1	3051.7	1274.5	921.3	834.8	802.1	767.0	750.6	750.6
67.5°	45370.5	40682.0	21195.7	2118.6	1010.2	809.1	753.0	722.6	664.1	650.1	650.1
70°	40186.2	32965.1	13892.7	1550.4	818.5	708.5	654.8	612.7	589.3	575.3	572.9
72.5°	26578.8	21450.6	7387.2	1075.7	682.8	603.3	554.2	537.8	509.8	495.8	493.4
75°	13228.6	11266.6	3785.9	776.4	568.2	484.1	463.0	456.0	432.6	413.9	409.2
77.5°	5514.1	5016.0	1765.5	563.6	432.6	390.5	371.8	371.8	346.1	325.0	315.7
80°	2078.9	1852.0	834.8	385.8	320.4	290.0	278.3	268.9	247.9	222.2	208.1
82.5°	2780.4	1817.0	409.2	240.9	210.5	187.1	170.7	163.7	152.0	140.3	131.0
85°	1800.6	1290.8	184.7	123.9	105.2	79.5	70.2	65.5	58.5	51.4	46.8
87.5°	367.1	432.6	56.1	23.4	14.0	7.0	7.0	2.3	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)