

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: P642518

Luminaire Tested: GWS-SA6D-722-U-T3R-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642518  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6D-722-U-T3R-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

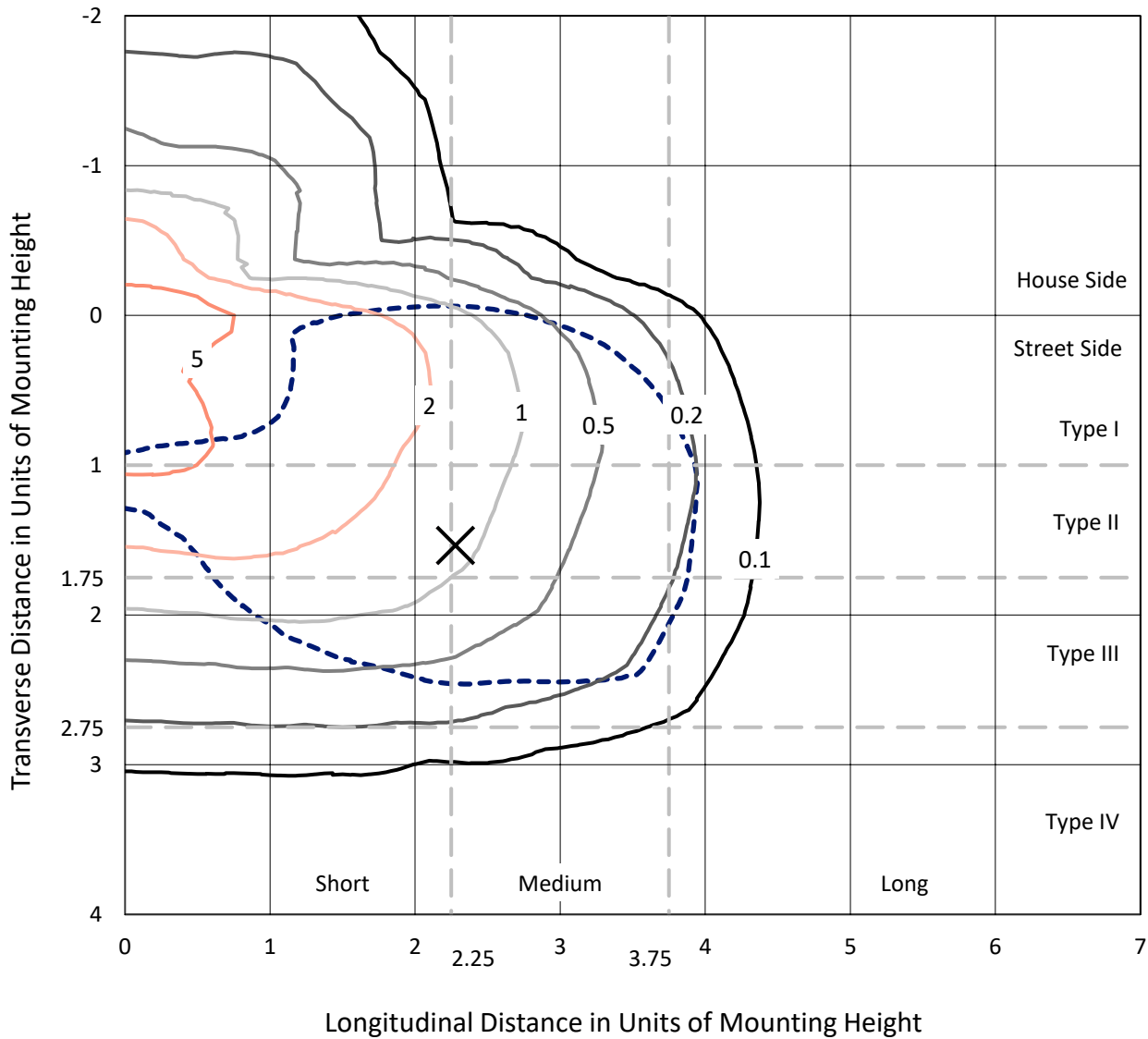
Lumens per Lamp: N/A  
Luminaire Lumens: 26824 lumens  
Efficiency: N/A  
Efficacy: 109.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

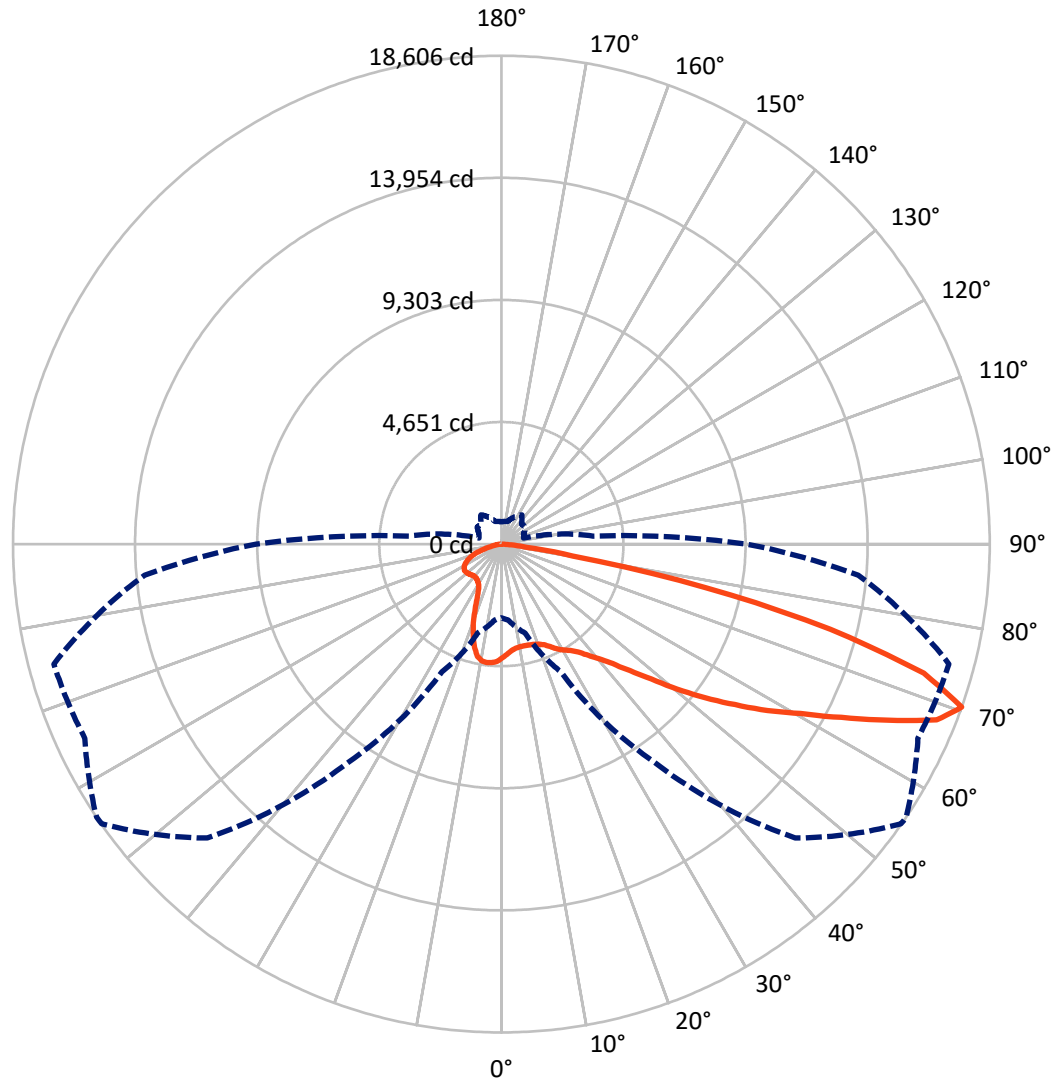
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5157.0	0.0	5157.0
	% Fixture	19.2	0.0	19.2
<b>Street Side</b>	Lumens	21667.0	0.0	21667.0
	% Fixture	80.8	0.0	80.8
<b>Total</b>	Lumens	26824.0	0.0	26824.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	400.7	1.5
10°-20°	1085.6	4.0
20°-30°	1794.9	6.7
30°-40°	2683.6	10.0
40°-50°	3993.5	14.9
50°-60°	5677.6	21.2
60°-70°	7031.9	26.2
70°-80°	3882.8	14.5
80°-90°	273.5	1.0
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°	26824.0	100.0
0°-180°	26824.0	100.0

**Coefficient of Utilization**



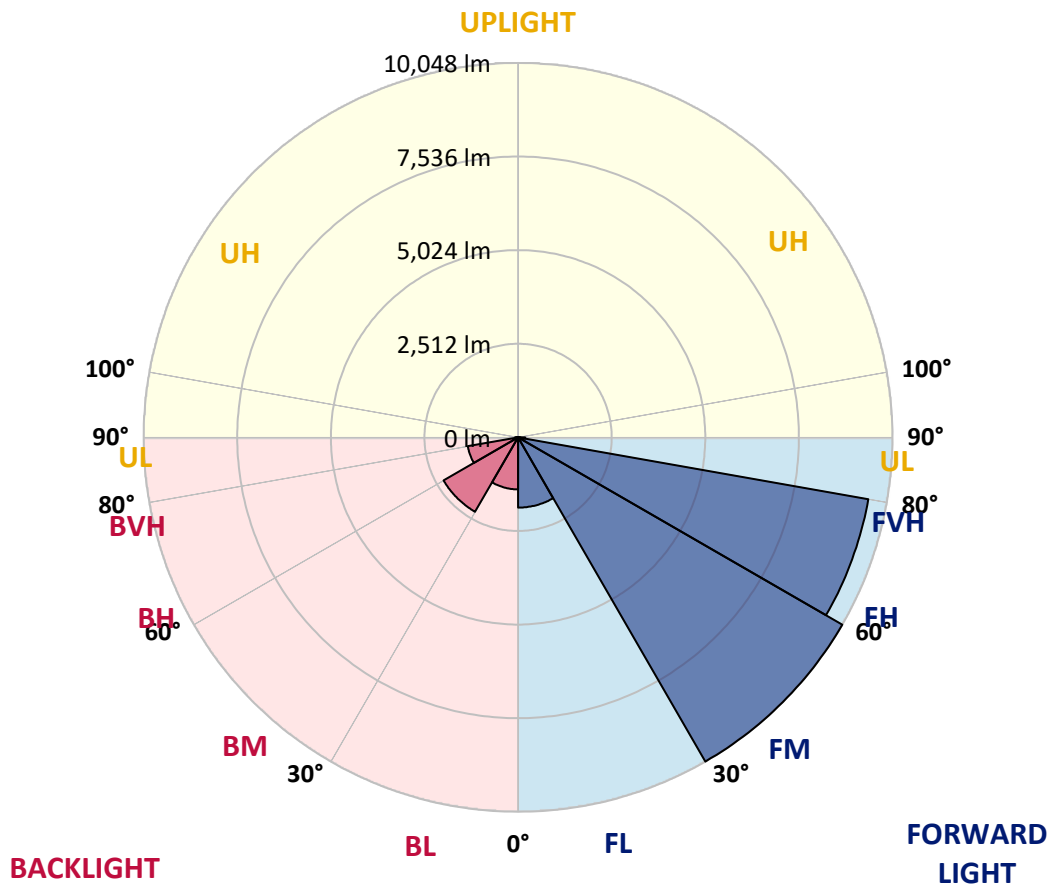
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1885.2	7.0			
FM (30°-60°)	10047.9	37.5			
FH (60°-80°)	9544.0	35.6			G4/12000
FVH (80°-90°)	190.0	0.7			G2/225
BL (0°-30°)	1396.0	5.2	B3/2500		
BM (30°-60°)	2306.8	8.6	B2/2500		
BH (60°-80°)	1370.7	5.1	B3/2500		G3/2500
BVH (80°-90°)	83.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	4329.8	4329.8	4329.8	4329.8	4329.8	4329.8	4329.8	4329.8	4329.8	4329.8	4329.8
2.5°	4051.7	4029.0	4055.5	4068.8	4102.8	4152.0	4195.5	4197.4	4220.1	4275.0	4327.9
5°	3868.3	3856.9	3864.5	3904.2	3940.1	4002.6	4068.8	4074.4	4138.8	4246.6	4352.5
7.5°	3726.4	3711.3	3739.6	3790.7	3836.1	3906.1	3993.1	4000.7	4091.5	4254.1	4416.8
10°	3522.1	3510.8	3563.7	3631.8	3730.2	3845.6	3960.9	3970.4	4089.6	4303.3	4530.3
12.5°	3433.2	3433.2	3455.9	3520.2	3628.0	3781.3	3955.3	3970.4	4119.8	4379.0	4676.0
15°	3571.3	3580.7	3561.8	3558.0	3601.6	3747.2	3962.8	3985.5	4176.6	4456.5	4819.7
17.5°	3849.3	3858.8	3809.6	3732.1	3688.6	3779.4	3991.2	4015.8	4237.1	4541.7	4974.8
20°	4239.0	4250.4	4142.5	4023.4	3873.9	3872.0	4046.1	4068.8	4314.7	4634.3	5139.4
22.5°	4694.9	4702.4	4566.3	4377.1	4148.2	4044.2	4140.6	4163.3	4414.9	4763.0	5317.2
25°	5222.6	5245.3	5080.8	4806.5	4496.3	4280.6	4297.6	4324.1	4594.6	4935.1	5527.2
27.5°	5786.3	5814.7	5625.5	5322.9	4895.4	4541.7	4500.0	4522.7	4785.7	5041.0	5638.8
30°	6363.2	6384.1	6194.9	5848.7	5324.8	4836.7	4670.3	4683.5	4868.9	5092.1	5752.3
32.5°	7004.5	6987.5	6805.9	6406.8	5820.4	5190.5	4829.2	4825.4	4961.6	5194.3	5914.9
35°	7606.0	7630.6	7437.7	6996.9	6365.1	5627.4	5067.5	5052.4	5158.3	5360.7	6143.8
37.5°	8334.3	8326.7	8095.9	7619.2	6911.8	6045.5	5402.3	5375.8	5413.7	5619.9	6463.5
40°	8854.4	8907.4	8758.0	8313.5	7551.2	6560.0	5793.9	5735.2	5744.7	5939.5	6891.0
42.5°	9280.0	9329.2	9344.4	9060.6	8283.2	7195.5	6281.9	6223.3	6228.9	6505.1	7416.9
45°	9607.3	9673.5	9887.2	9804.0	9107.9	7929.5	6942.1	6881.5	6885.3	7191.8	8052.4
47.5°	9741.6	9813.5	10246.6	10445.3	9983.7	8807.2	7763.0	7674.1	7687.3	8025.9	8778.8
50°	9698.1	9794.6	10380.9	10939.0	10717.6	9700.0	8744.7	8682.3	8631.2	9123.0	9567.6
52.5°	9323.6	9429.5	10367.7	11253.0	11317.3	10543.6	9758.6	9722.7	9711.3	10288.3	10449.0
55°	8220.8	8398.6	9911.8	11336.2	11786.4	11338.1	10857.6	10797.1	10855.7	11536.7	11340.0
57.5°	7609.8	7742.2	9019.0	11243.5	12170.4	12094.7	11954.7	11960.4	12026.6	12892.9	12420.1
60°	7261.7	7416.9	8523.4	10990.0	12539.2	13014.0	13102.9	13102.9	13222.1	14355.1	13517.2
62.5°	6800.2	6957.2	8060.0	10502.0	12879.7	14096.0	14546.2	14540.5	14587.8	15923.2	14589.7
65°	5863.9	6009.5	7129.3	9732.1	13046.2	15287.7	16186.2	16169.1	16074.6	17319.2	15299.0
67.5°	4257.9	4396.0	5461.0	8268.1	12446.5	16248.6	17875.3	17882.9	17317.3	18198.8	15336.9
70°	2807.1	2901.7	3510.8	5370.2	10121.8	15834.3	18582.8	18605.5	17508.4	17650.2	13649.6
72.5°	1751.6	1817.8	2192.3	3202.4	5981.1	12533.5	16766.9	16829.3	15751.1	15510.9	11215.1
75°	1163.3	1208.7	1458.4	1867.0	2767.4	6783.2	12745.4	12945.9	12624.3	12159.0	7814.1
77.5°	699.9	737.7	928.8	1186.0	1225.7	2650.1	7439.5	7957.8	8003.2	6348.1	3272.4
80°	319.7	363.2	512.6	677.2	652.6	923.1	2623.6	2744.7	3238.4	2016.4	1032.8
82.5°	189.2	208.1	340.5	336.7	278.1	448.3	943.9	968.5	822.8	737.7	440.7
85°	75.7	88.9	143.8	126.7	102.1	145.7	355.6	372.6	357.5	321.6	162.7
87.5°	0.0	0.0	0.0	0.0	1.9	3.8	32.2	34.0	49.2	88.9	49.2
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°	4329.8	4329.8	4329.8	4329.8	4329.8	4329.8	4329.8	4329.8	4329.8	4329.8	4329.8
2.5°	4362.0	4350.6	4407.4	4450.9	4469.8	4488.7	4471.7	4466.0	4466.0	4428.2	4409.3
5°	4409.3	4414.9	4492.5	4528.4	4528.4	4513.3	4467.9	4435.7	4424.4	4375.2	4362.0
7.5°	4498.2	4522.7	4594.6	4592.7	4539.8	4456.5	4343.0	4256.0	4176.6	4142.5	4121.7
10°	4643.8	4676.0	4725.1	4645.7	4498.2	4278.7	4038.5	3849.3	3735.9	3645.1	3645.1
12.5°	4810.3	4840.5	4831.1	4647.6	4343.0	3932.6	3586.4	3368.9	3210.0	3126.8	3126.8
15°	4976.7	5001.3	4899.2	4560.6	4019.6	3472.9	3094.6	2833.6	2695.5	2617.9	2617.9
17.5°	5145.1	5143.2	4927.5	4360.1	3597.8	2964.1	2593.3	2390.9	2343.7	2330.4	2328.5
20°	5307.7	5264.2	4891.6	4025.3	3107.9	2451.5	2216.9	2230.2	2300.2	2330.4	2334.2
22.5°	5491.2	5383.4	4785.7	3597.8	2551.7	2095.9	2111.0	2220.7	2322.8	2368.2	2373.9
25°	5678.5	5485.6	4607.9	3096.5	2086.4	1965.3	2082.6	2205.6	2321.0	2379.6	2385.3
27.5°	5754.2	5485.6	4305.2	2515.8	1838.6	1910.5	2039.1	2158.3	2279.3	2347.4	2360.7
30°	5816.6	5438.3	3881.5	1991.8	1736.5	1857.5	1969.1	2078.8	2198.0	2281.2	2296.4
32.5°	5903.6	5396.7	3368.9	1674.0	1689.2	1806.5	1884.0	1976.7	2084.5	2139.4	2133.7
35°	6005.7	5332.3	2750.3	1522.7	1649.4	1762.9	1817.8	1872.7	1823.5	1821.6	1827.3
37.5°	6151.4	5275.6	2211.2	1454.6	1623.0	1732.7	1778.1	1660.8	1592.7	1564.3	1553.0
40°	6361.4	5252.9	1744.0	1414.9	1619.2	1730.8	1698.6	1517.0	1424.4	1326.0	1324.1
42.5°	6626.2	5235.9	1441.4	1396.0	1632.4	1774.3	1588.9	1422.5	1231.4	1187.9	1184.1
45°	6966.7	5209.4	1290.1	1392.2	1664.6	1808.3	1577.6	1291.9	1161.4	1142.5	1142.5
47.5°	7377.1	5167.8	1222.0	1392.2	1700.5	1793.2	1543.5	1263.6	1129.3	1150.1	1163.3
50°	7848.1	5114.8	1186.0	1388.4	1736.5	1793.2	1471.6	1257.9	1121.7	1229.5	1273.0
52.5°	8351.3	5054.3	1161.4	1373.3	1761.1	1795.1	1475.4	1276.8	1129.3	1248.4	1284.4
55°	8907.4	5044.8	1127.4	1341.1	1768.6	1745.9	1484.9	1318.4	1140.6	1131.2	1133.1
57.5°	9609.2	5158.3	1102.8	1293.8	1738.4	1645.7	1503.8	1348.7	1127.4	1129.3	1142.5
60°	10343.1	5372.1	1123.6	1248.4	1675.9	1551.1	1517.0	1333.6	1063.1	1032.8	1036.6
62.5°	10967.3	5534.7	1140.6	1227.6	1585.1	1467.9	1503.8	1299.5	1027.1	1019.6	1036.6
65°	11228.4	5400.4	1099.0	1184.1	1452.7	1365.7	1475.4	1256.0	996.9	968.5	970.4
67.5°	10939.0	4770.5	1017.7	1087.7	1303.3	1235.2	1430.0	1199.3	955.2	921.2	913.6
70°	9344.4	3505.1	877.7	934.4	1121.7	1082.0	1360.0	1125.5	889.0	864.4	847.4
72.5°	7530.3	2481.7	728.3	743.4	879.6	911.7	1239.0	1032.8	813.4	743.4	718.8
75°	5241.5	1558.7	607.2	592.1	635.6	696.1	966.6	856.9	701.8	628.0	605.3
77.5°	2254.8	800.1	474.8	467.2	423.7	482.4	741.5	715.0	588.3	503.2	489.9
80°	754.7	463.4	342.4	329.1	281.8	338.6	522.1	571.3	461.5	372.6	349.9
82.5°	378.3	268.6	217.5	196.7	189.2	213.7	308.3	355.6	319.7	257.3	217.5
85°	185.4	153.2	119.2	117.3	98.4	92.7	128.6	151.3	143.8	105.9	100.3
87.5°	68.1	60.5	37.8	30.3	18.9	13.2	7.6	7.6	5.7	5.7	5.7
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)