

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: P641516

Luminaire Tested: GWS-SA6B-722-U-T2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641516  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-722-U-T2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

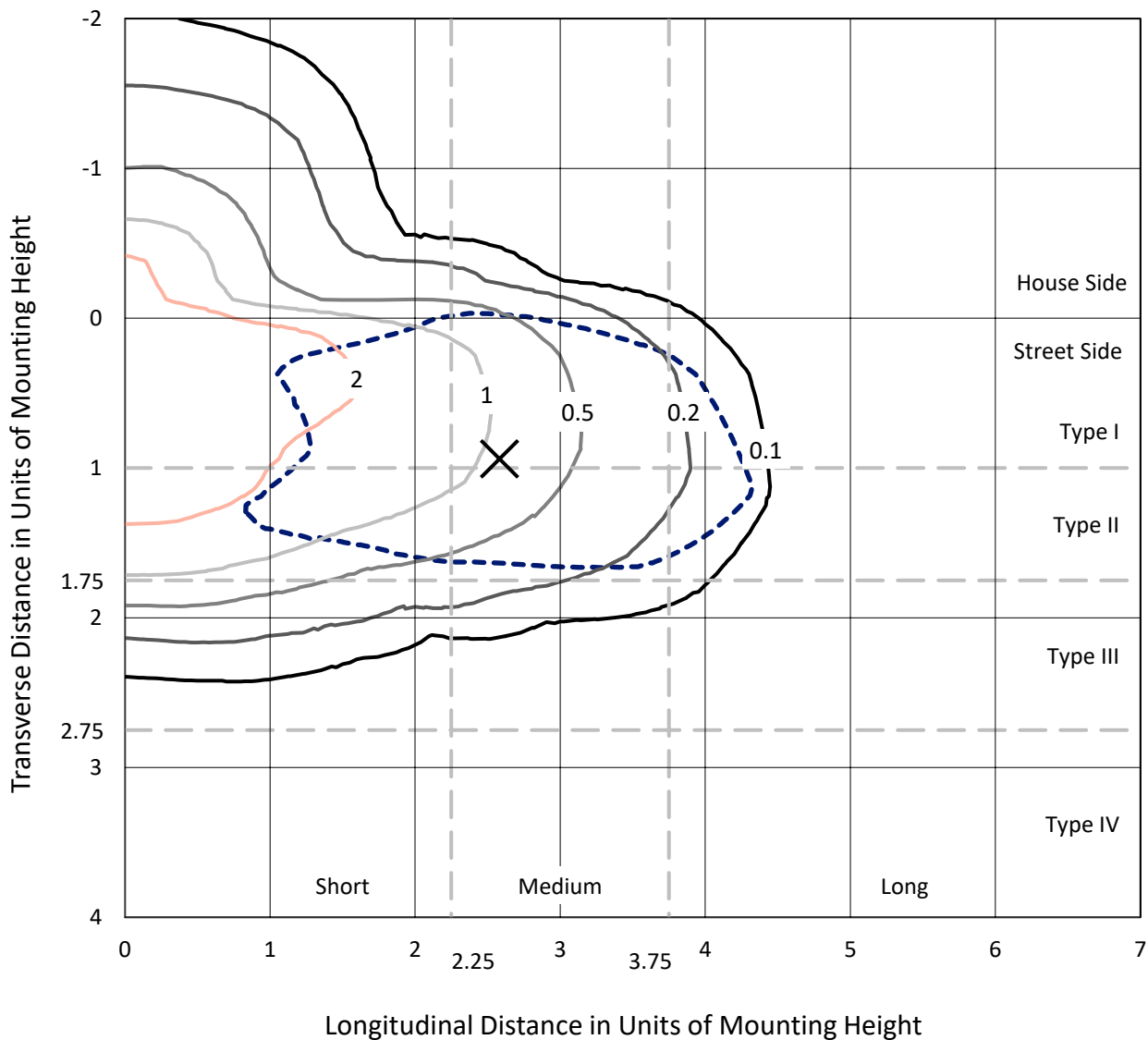
Lumens per Lamp: N/A  
Luminaire Lumens: 15473.2 lumens  
Efficiency: N/A  
Efficacy: 111.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): 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

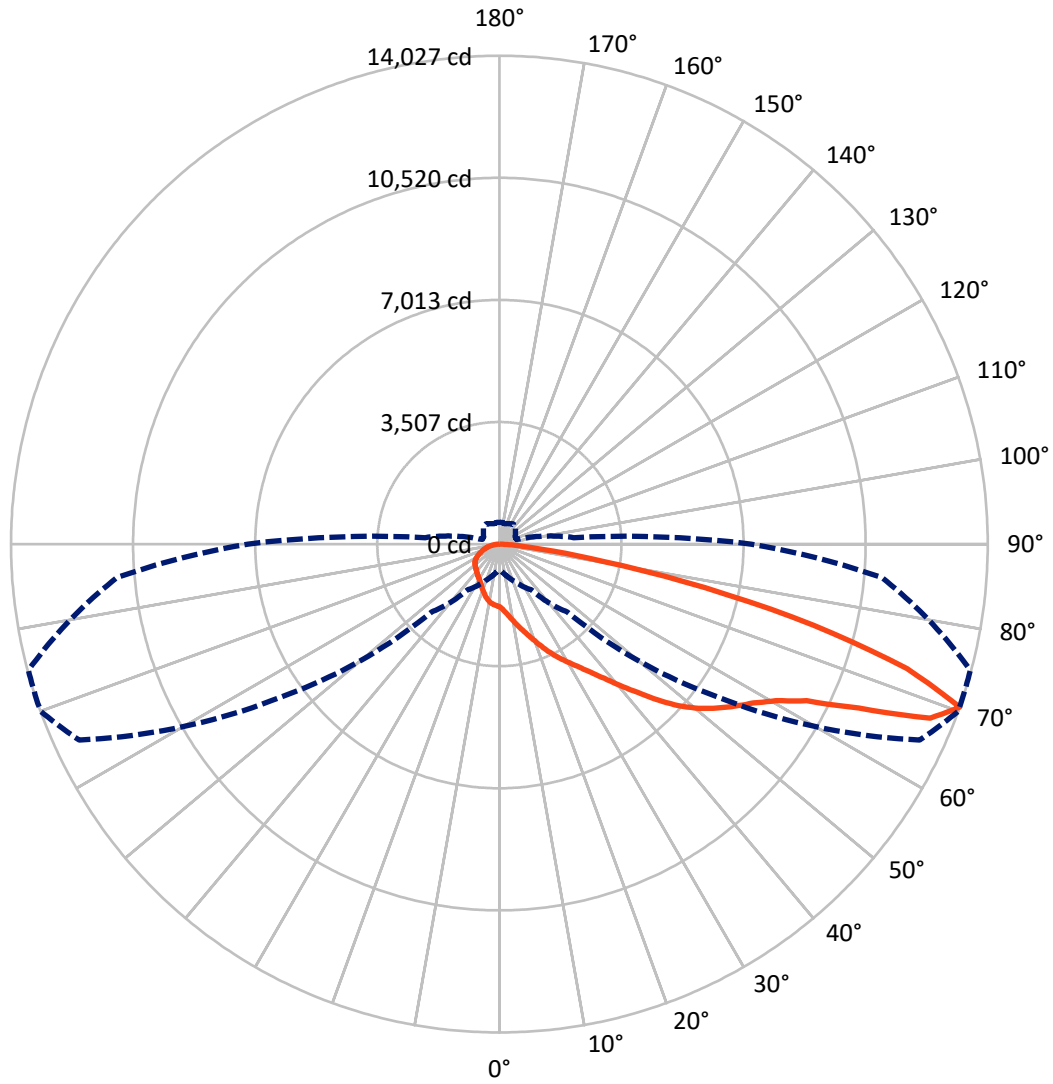
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2772.8	0.0	2772.8
	% Fixture	17.9	0.0	17.9
<b>Street Side</b>	Lumens	12700.4	0.0	12700.4
	% Fixture	82.1	0.0	82.1
<b>Total</b>	Lumens	15473.2	0.0	15473.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	183.4	1.2
10°-20°	596.6	3.9
20°-30°	1056.9	6.8
30°-40°	1590.7	10.3
40°-50°	2406.6	15.6
50°-60°	3447.5	22.3
60°-70°	3810.9	24.6
70°-80°	2150.6	13.9
80°-90°	230.0	1.5
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°	15473.2	100.0
0°-180°	15473.2	100.0

**Coefficient of Utilization**



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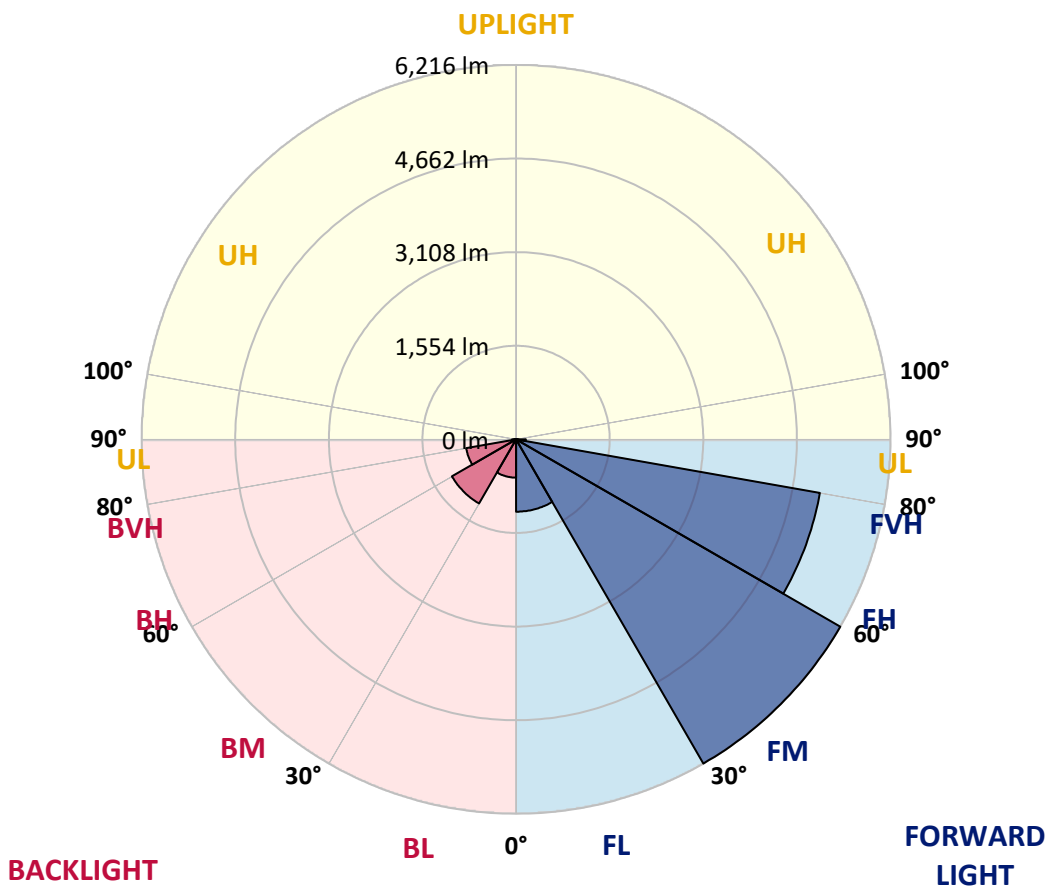
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1201.2	7.8			
FM (30°-60°)	6215.6	40.2			
FH (60°-80°)	5121.0	33.1			G3/7500
FVH (80°-90°)	162.6	1.1			G2/225
BL (0°-30°)	635.8	4.1	B2/1000		
BM (30°-60°)	1229.2	7.9	B2/2500		
BH (60°-80°)	840.4	5.4	B2/1000		G2/1000
BVH (80°-90°)	67.4	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1804.5	1804.5	1804.5	1804.5	1804.5	1804.5	1804.5	1804.5	1804.5	1804.5	1804.5
2.5°	1999.0	1995.7	1997.9	1995.7	1983.4	1953.2	1928.6	1897.3	1876.0	1863.8	1834.7
5°	2233.8	2230.5	2222.6	2211.5	2189.1	2147.7	2086.2	2018.0	1976.7	1945.4	1883.9
7.5°	2402.6	2402.6	2401.5	2388.1	2372.5	2328.9	2256.2	2166.7	2106.4	2052.7	1952.1
10°	2488.7	2494.3	2502.1	2521.2	2517.8	2494.3	2426.1	2330.0	2253.9	2191.3	2041.5
12.5°	2535.7	2539.0	2552.5	2591.6	2631.8	2637.4	2597.2	2496.6	2413.8	2330.0	2141.0
15°	2596.1	2597.2	2615.1	2662.0	2721.3	2780.5	2770.5	2669.8	2584.9	2492.1	2251.7
17.5°	2643.0	2650.8	2683.3	2738.0	2811.8	2893.5	2942.6	2880.0	2774.9	2668.7	2372.5
20°	2659.8	2665.4	2707.9	2791.7	2892.3	3007.5	3117.1	3100.3	2994.1	2868.9	2508.9
22.5°	2720.2	2720.2	2751.5	2821.9	2940.4	3108.1	3285.9	3329.5	3235.6	3089.1	2655.3
25°	2853.2	2848.7	2863.3	2892.3	2981.8	3188.6	3452.5	3583.3	3478.2	3313.8	2801.8
27.5°	3035.4	3033.2	3032.1	3036.6	3066.7	3259.0	3593.3	3820.3	3715.2	3529.6	2932.6
30°	3233.3	3226.6	3241.2	3227.7	3221.0	3342.9	3713.0	4032.7	3951.1	3743.2	3041.0
32.5°	3502.8	3490.5	3487.1	3443.5	3416.7	3473.7	3809.1	4274.2	4209.4	3973.5	3162.9
35°	3858.3	3847.1	3790.1	3720.8	3641.4	3668.2	3928.7	4510.1	4514.6	4261.9	3322.8
37.5°	4217.2	4219.4	4174.7	4011.5	3929.9	3914.2	4111.0	4797.5	4893.6	4606.3	3529.6
40°	4515.7	4529.1	4529.1	4357.0	4235.1	4220.6	4367.0	5138.5	5329.6	5028.9	3791.2
42.5°	4742.7	4755.0	4794.1	4670.0	4541.4	4591.7	4677.8	5480.6	5823.8	5551.0	4122.2
45°	4992.0	5002.1	5023.3	4951.7	4876.8	5011.0	5030.0	5889.8	6389.5	6136.9	4506.8
47.5°	5322.9	5314.0	5316.2	5263.7	5205.5	5422.4	5418.0	6234.1	6936.2	6778.6	4923.8
50°	5734.4	5751.1	5735.5	5631.5	5563.3	5761.2	5786.9	6615.4	7417.0	7413.6	5344.2
52.5°	6130.1	6136.9	6219.6	6224.1	6084.3	6042.9	6110.0	7000.0	7822.8	7995.0	5747.8
55°	6150.3	6176.0	6424.2	6603.1	6828.9	6496.9	6436.5	7366.7	8215.3	8564.1	6167.0
57.5°	5722.1	5763.4	6184.9	6570.6	7199.0	7276.1	6995.5	7840.7	8607.7	9124.2	6652.3
60°	4807.5	4893.6	5466.0	6056.4	7032.4	7836.3	8139.2	8484.7	9123.1	9696.6	7241.5
62.5°	3070.1	3103.6	3906.4	4894.7	6282.2	7781.5	9384.7	9619.5	9908.0	10442.4	8149.3
65°	1537.3	1644.6	2115.3	2921.4	4530.2	6856.9	10014.2	11697.9	11344.6	11719.2	9620.6
67.5°	1043.1	1077.8	1315.9	1755.3	2656.4	4857.8	9624.0	13448.7	13344.8	13406.3	11189.2
70°	769.2	791.6	979.4	1243.2	1606.6	2758.2	7661.8	13316.8	14026.8	14004.4	11024.9
72.5°	561.2	572.4	714.4	949.2	1190.7	1426.6	4678.9	10757.7	12244.6	12889.7	9641.9
75°	408.1	421.5	496.4	709.9	925.7	889.9	2309.8	7770.3	9337.8	10578.8	7855.3
77.5°	304.1	320.9	355.5	445.0	648.5	637.3	998.4	5045.7	6039.6	6909.4	4771.7
80°	219.1	222.5	242.6	285.1	411.4	373.4	475.2	2630.7	3016.4	3304.9	1870.5
82.5°	133.0	136.4	162.1	175.5	254.9	234.8	247.1	851.9	1220.9	1295.8	698.8
85°	39.1	41.4	73.8	80.5	106.2	100.6	99.5	346.6	413.7	528.8	275.0
87.5°	0.0	0.0	0.0	0.0	1.1	6.7	12.3	61.5	92.8	128.6	67.1
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°	1804.5	1804.5	1804.5	1804.5	1804.5	1804.5	1804.5	1804.5	1804.5	1804.5	1804.5
2.5°	1823.5	1797.8	1784.4	1760.9	1744.1	1727.4	1710.6	1694.9	1688.2	1678.2	1680.4
5°	1855.9	1815.7	1775.4	1729.6	1690.5	1658.0	1629.0	1603.3	1592.1	1582.0	1586.5
7.5°	1905.1	1844.7	1767.6	1683.7	1622.3	1577.5	1547.3	1529.5	1523.9	1516.0	1516.0
10°	1967.7	1877.2	1741.9	1622.3	1548.5	1512.7	1499.3	1498.2	1503.7	1504.9	1502.6
12.5°	2037.0	1908.5	1703.9	1549.6	1487.0	1475.8	1485.9	1504.9	1523.9	1533.9	1531.7
15°	2108.6	1928.6	1639.0	1480.3	1442.3	1456.8	1489.2	1527.2	1564.1	1583.1	1582.0
17.5°	2175.7	1933.1	1555.2	1413.2	1403.1	1440.0	1495.9	1555.2	1605.5	1632.3	1633.4
20°	2250.6	1925.2	1469.1	1352.8	1364.0	1424.4	1498.2	1569.7	1629.0	1655.8	1662.5
22.5°	2318.8	1898.4	1385.2	1295.8	1330.5	1405.4	1480.3	1547.3	1599.9	1625.6	1634.6
25°	2380.3	1847.0	1293.6	1247.7	1304.7	1378.5	1435.5	1482.5	1519.4	1535.1	1547.3
27.5°	2413.8	1769.8	1224.2	1209.7	1280.1	1340.5	1371.8	1386.4	1398.7	1394.2	1403.1
30°	2420.5	1673.7	1163.9	1179.5	1243.2	1288.0	1294.7	1280.1	1258.9	1224.2	1232.1
32.5°	2413.8	1563.0	1113.6	1147.1	1201.9	1228.7	1219.8	1181.8	1130.3	1076.7	1080.0
35°	2416.1	1451.2	1072.2	1111.3	1153.8	1168.3	1146.0	1093.4	1038.6	989.5	987.2
37.5°	2440.7	1357.3	1037.5	1076.7	1106.8	1109.1	1084.5	1029.7	1001.8	964.9	960.4
40°	2508.9	1288.0	1006.2	1042.0	1061.0	1059.9	1031.9	992.8	1011.8	999.5	996.2
42.5°	2620.7	1245.5	980.5	1005.1	1018.5	1020.8	998.4	973.8	1015.2	999.5	993.9
45°	2800.7	1243.2	962.6	968.2	989.5	1005.1	989.5	961.5	977.2	901.1	886.6
47.5°	3014.2	1281.3	949.2	935.8	972.7	1000.6	976.0	931.3	898.9	829.6	819.5
50°	3271.3	1358.4	936.9	901.1	948.1	983.9	959.3	897.8	848.6	811.7	806.1
52.5°	3576.6	1460.1	921.3	862.0	911.2	974.9	959.3	894.4	829.6	796.0	790.4
55°	3896.3	1577.5	903.4	815.0	869.8	977.2	967.1	870.9	815.0	797.2	792.7
57.5°	4293.2	1718.4	870.9	760.3	832.9	957.0	935.8	857.5	805.0	790.4	786.0
60°	4808.6	1927.5	809.5	704.4	790.4	921.3	907.8	835.2	778.1	765.8	762.5
62.5°	5624.8	2281.9	734.5	650.7	740.1	846.3	866.5	792.7	744.6	743.5	742.4
65°	6955.2	2707.9	646.2	602.6	687.6	784.9	811.7	749.1	709.9	722.2	721.1
67.5°	7887.7	2744.8	573.5	552.3	626.1	717.8	756.9	704.4	661.9	685.4	684.2
70°	7224.7	2141.0	510.9	499.8	560.1	645.1	697.6	648.5	606.0	628.3	623.9
72.5°	6093.2	1641.3	451.7	445.0	493.0	569.1	621.6	592.6	547.8	547.8	537.8
75°	4897.0	1353.9	389.1	385.7	418.1	491.9	551.2	502.0	460.6	458.4	451.7
77.5°	2808.5	887.7	326.5	324.2	334.3	411.4	428.2	418.1	386.8	372.3	367.8
80°	1119.1	461.7	257.1	242.6	252.7	301.9	337.6	320.9	294.0	276.2	266.1
82.5°	433.8	231.4	181.1	158.8	173.3	218.0	244.8	239.3	221.4	181.1	169.9
85°	176.6	112.9	108.4	91.7	100.6	117.4	140.9	121.9	100.6	71.6	68.2
87.5°	47.0	41.4	40.2	24.6	19.0	5.6	1.1	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)