

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: P636071

Luminaire Tested: GWS-SA3F-722-U-T2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636071  
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-SA3F-722-U-T2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

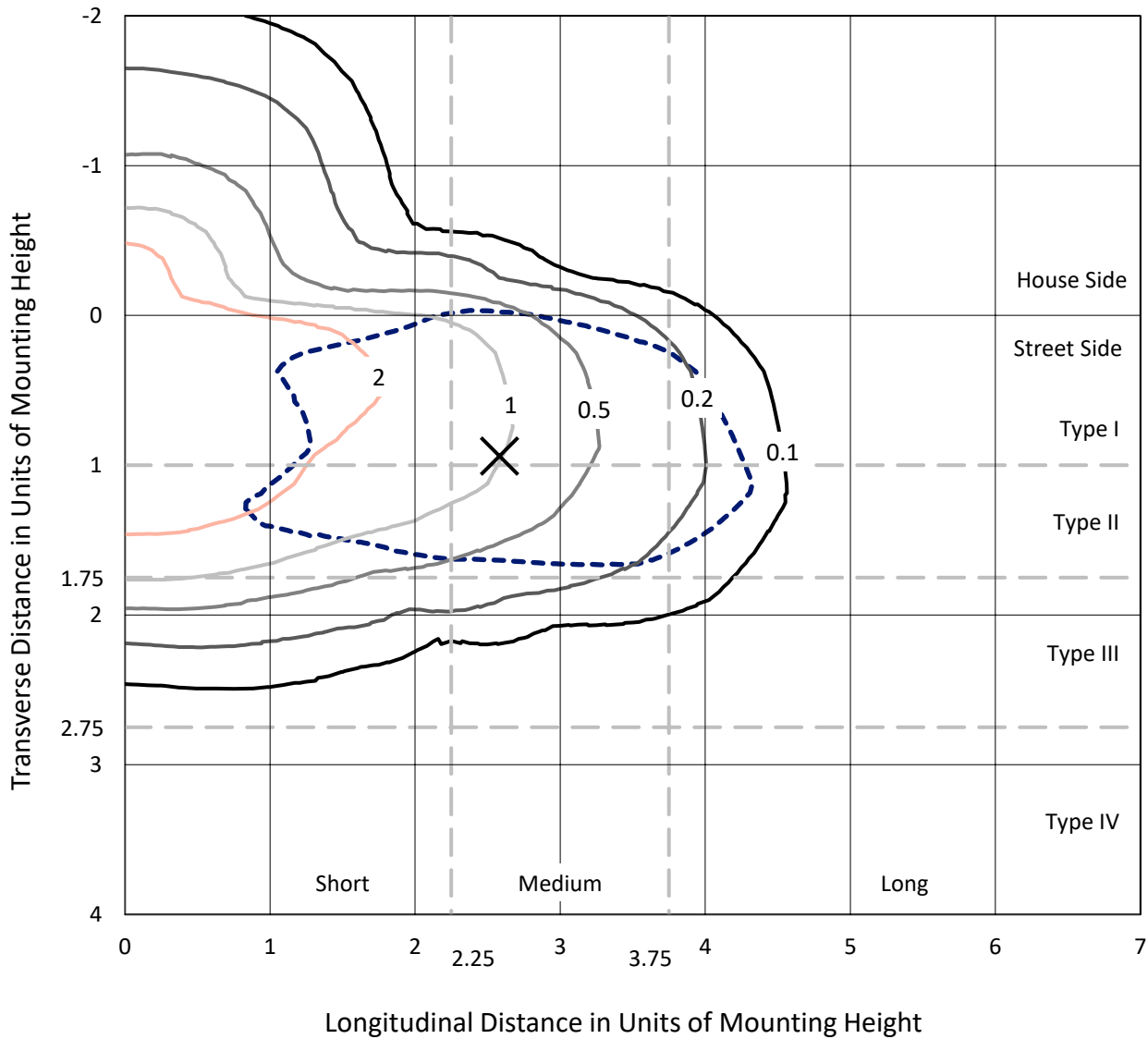
Lumens per Lamp: N/A  
Luminaire Lumens: 17868.8 lumens  
Efficiency: N/A  
Efficacy: 97.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 183.2  
Input Voltage (V): 120  
Input Current (Ain): 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

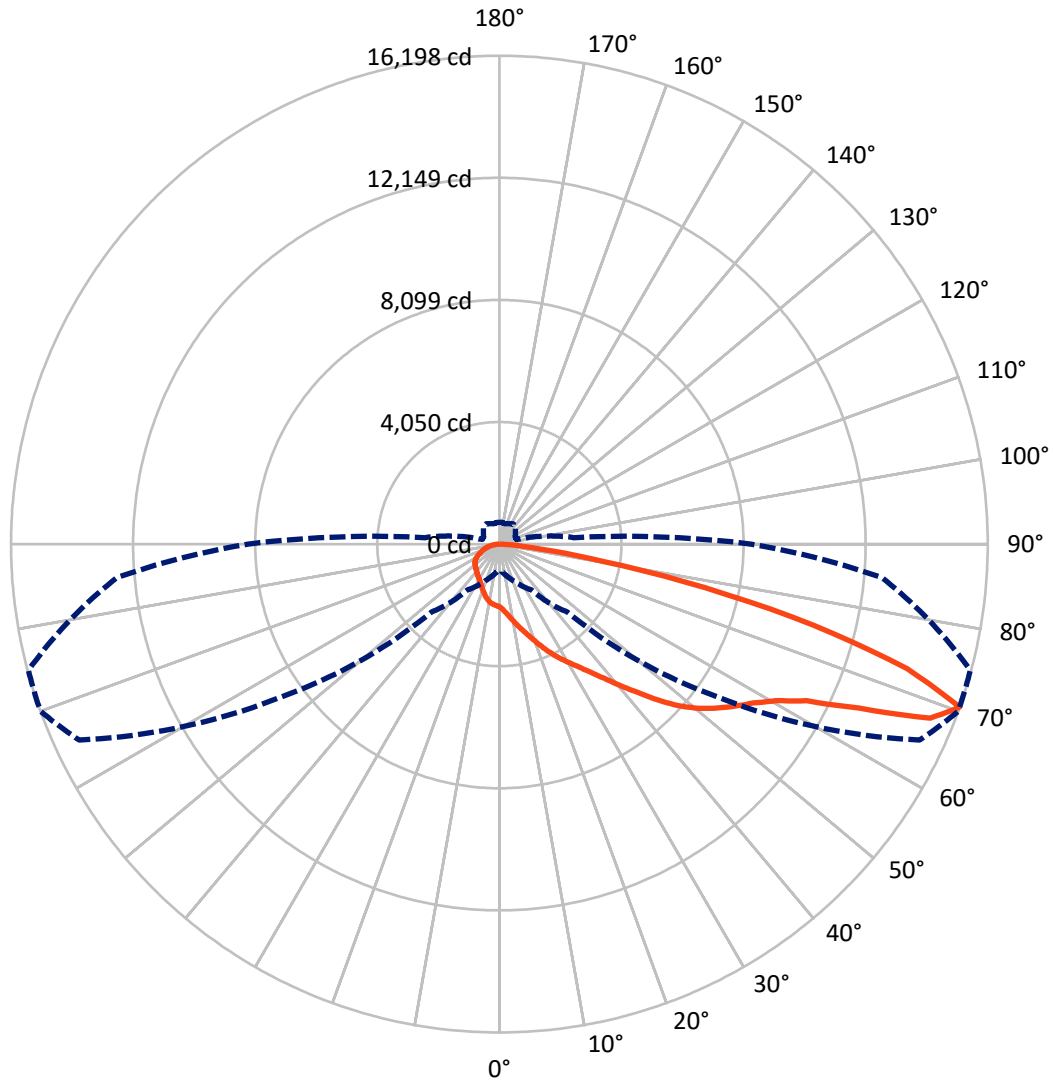
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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	3202.1	0.0	3202.1
	% Fixture	17.9	0.0	17.9
<b>Street Side</b>	Lumens	14666.7	0.0	14666.7
	% Fixture	82.1	0.0	82.1
<b>Total</b>	Lumens	17868.8	0.0	17868.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	211.8	1.2
10°-20°	689.0	3.9
20°-30°	1220.6	6.8
30°-40°	1837.0	10.3
40°-50°	2779.1	15.6
50°-60°	3981.3	22.3
60°-70°	4400.9	24.6
70°-80°	2483.5	13.9
80°-90°	265.6	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°	17868.8	100.0
0°-180°	17868.8	100.0

**Coefficient of Utilization**



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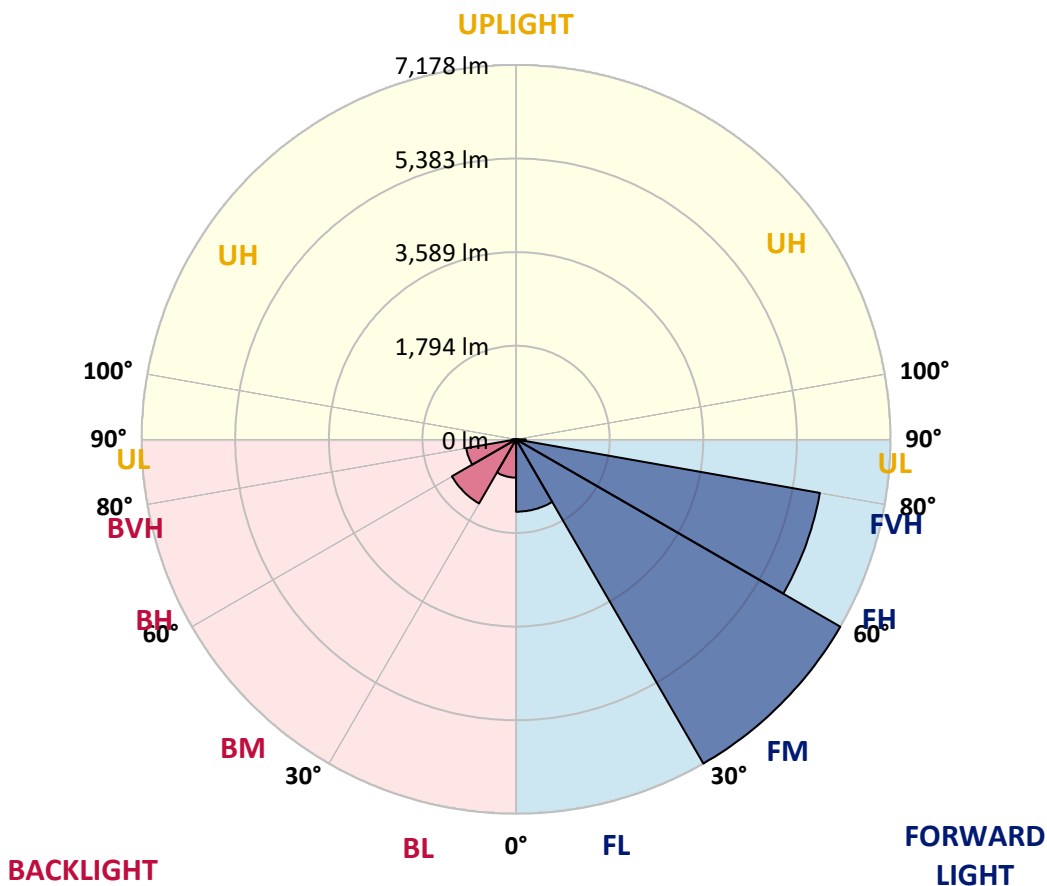
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1387.2	7.8			
FM (30°-60°)	7177.9	40.2			
FH (60°-80°)	5913.8	33.1			G3/7500
FVH (80°-90°)	187.8	1.1			G2/225
BL (0°-30°)	734.2	4.1	B2/1000		
BM (30°-60°)	1419.5	7.9	B2/2500		
BH (60°-80°)	970.5	5.4	B2/1000		G2/1000
BVH (80°-90°)	77.9	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°	2083.9	2083.9	2083.9	2083.9	2083.9	2083.9	2083.9	2083.9	2083.9	2083.9	2083.9
2.5°	2308.5	2304.7	2307.2	2304.7	2290.5	2255.6	2227.2	2191.0	2166.5	2152.3	2118.7
5°	2579.7	2575.8	2566.8	2553.8	2528.0	2480.2	2409.2	2330.5	2282.7	2246.6	2175.5
7.5°	2774.6	2774.6	2773.3	2757.8	2739.8	2689.4	2605.5	2502.2	2432.5	2370.5	2254.3
10°	2874.0	2880.5	2889.5	2911.5	2907.6	2880.5	2801.7	2690.7	2602.9	2530.6	2357.6
12.5°	2928.3	2932.1	2947.6	2992.8	3039.3	3045.8	2999.3	2883.1	2787.5	2690.7	2472.5
15°	2998.0	2999.3	3019.9	3074.2	3142.6	3211.0	3199.4	3083.2	2985.1	2877.9	2600.3
17.5°	3052.2	3061.3	3098.7	3162.0	3247.2	3341.4	3398.2	3325.9	3204.6	3081.9	2739.8
20°	3071.6	3078.0	3127.1	3223.9	3340.1	3473.1	3599.7	3580.3	3457.6	3313.0	2897.3
22.5°	3141.3	3141.3	3177.5	3258.8	3395.7	3589.3	3794.6	3845.0	3736.5	3567.4	3066.4
25°	3294.9	3289.8	3306.6	3340.1	3443.4	3682.3	3987.0	4138.0	4016.7	3826.9	3235.6
27.5°	3505.4	3502.8	3501.5	3506.7	3541.5	3763.6	4149.7	4411.8	4290.4	4076.1	3386.6
30°	3733.9	3726.2	3743.0	3727.5	3719.7	3860.5	4287.8	4657.1	4562.8	4322.7	3511.9
32.5°	4045.1	4030.9	4027.0	3976.7	3945.7	4011.5	4398.9	4936.0	4861.1	4588.7	3652.6
35°	4455.7	4442.8	4376.9	4296.9	4205.2	4236.2	4537.0	5208.4	5213.6	4921.8	3837.2
37.5°	4870.1	4872.7	4821.1	4632.5	4538.3	4520.2	4747.5	5540.2	5651.2	5319.4	4076.1
40°	5214.8	5230.3	5230.3	5031.5	4890.8	4874.0	5043.1	5934.0	6154.8	5807.5	4378.2
42.5°	5476.9	5491.1	5536.3	5393.0	5244.5	5302.6	5402.1	6329.1	6725.5	6410.4	4760.4
45°	5764.9	5776.5	5801.0	5718.4	5631.9	5786.8	5808.8	6801.6	7378.8	7087.0	5204.5
47.5°	6147.0	6136.7	6139.3	6078.6	6011.5	6261.9	6256.8	7199.3	8010.1	7828.1	5686.1
50°	6622.2	6641.5	6623.5	6503.4	6424.6	6653.2	6682.9	7639.6	8565.3	8561.4	6171.6
52.5°	7079.2	7087.0	7182.5	7187.7	7026.3	6978.5	7056.0	8083.7	9034.0	9232.8	6637.7
55°	7102.5	7132.2	7418.8	7625.4	7886.2	7502.7	7433.0	8507.2	9487.2	9890.0	7121.8
57.5°	6608.0	6655.7	7142.5	7587.9	8313.5	8402.6	8078.6	9054.6	9940.4	10536.9	7682.2
60°	5551.8	5651.2	6312.3	6994.0	8121.2	9049.5	9399.4	9798.3	10535.6	11197.9	8362.6
62.5°	3545.4	3584.2	4511.2	5652.5	7254.8	8986.2	10837.7	11108.8	11441.9	12059.1	9411.0
65°	1775.3	1899.2	2442.8	3373.7	5231.6	7918.5	11564.6	13509.0	13101.0	13533.5	11110.1
67.5°	1204.6	1244.6	1519.7	2027.1	3067.7	5609.9	11114.0	15530.9	15410.8	15481.9	12921.6
70°	888.3	914.1	1131.0	1435.7	1855.3	3185.2	8848.1	15378.6	16198.4	16172.6	12731.8
72.5°	648.1	661.1	825.0	1096.2	1375.0	1647.5	5403.3	12423.2	14140.4	14885.4	11134.6
75°	471.3	486.8	573.3	819.9	1069.0	1027.7	2667.5	8973.3	10783.5	12216.6	9071.4
77.5°	351.2	370.6	410.6	513.9	748.9	735.9	1153.0	5826.8	6974.6	7979.1	5510.5
80°	253.1	256.9	280.2	329.2	475.1	431.2	548.7	3038.0	3483.4	3816.6	2160.0
82.5°	153.6	157.5	187.2	202.7	294.4	271.1	285.3	983.8	1409.9	1496.4	807.0
85°	45.2	47.8	85.2	93.0	122.7	116.2	114.9	400.2	477.7	610.7	317.6
87.5°	0.0	0.0	0.0	0.0	1.3	7.7	14.2	71.0	107.2	148.5	77.5
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°	2083.9	2083.9	2083.9	2083.9	2083.9	2083.9	2083.9	2083.9	2083.9	2083.9	2083.9
2.5°	2105.8	2076.1	2060.6	2033.5	2014.2	1994.8	1975.4	1957.3	1949.6	1938.0	1940.6
5°	2143.3	2096.8	2050.3	1997.4	1952.2	1914.7	1881.2	1851.5	1838.6	1826.9	1832.1
7.5°	2200.1	2130.4	2041.3	1944.4	1873.4	1821.8	1786.9	1766.3	1759.8	1750.8	1750.8
10°	2272.4	2167.8	2011.6	1873.4	1788.2	1746.9	1731.4	1730.1	1736.6	1737.9	1735.3
12.5°	2352.4	2203.9	1967.7	1789.5	1717.2	1704.3	1715.9	1737.9	1759.8	1771.4	1768.8
15°	2435.1	2227.2	1892.8	1709.4	1665.5	1682.3	1719.8	1763.7	1806.3	1828.2	1826.9
17.5°	2512.5	2232.4	1796.0	1632.0	1620.4	1663.0	1727.5	1796.0	1854.1	1885.0	1886.3
20°	2599.0	2223.3	1696.5	1562.3	1575.2	1644.9	1730.1	1812.7	1881.2	1912.2	1919.9
22.5°	2677.8	2192.3	1599.7	1496.4	1536.4	1622.9	1709.4	1786.9	1847.6	1877.3	1887.6
25°	2748.8	2132.9	1493.8	1440.9	1506.7	1592.0	1657.8	1712.0	1754.6	1772.7	1786.9
27.5°	2787.5	2043.8	1413.8	1397.0	1478.3	1548.1	1584.2	1601.0	1615.2	1610.0	1620.4
30°	2795.3	1932.8	1344.1	1362.1	1435.7	1487.4	1495.1	1478.3	1453.8	1413.8	1422.8
32.5°	2787.5	1805.0	1286.0	1324.7	1388.0	1418.9	1408.6	1364.7	1305.3	1243.4	1247.2
35°	2790.1	1675.9	1238.2	1283.4	1332.4	1349.2	1323.4	1262.7	1199.5	1142.6	1140.1
37.5°	2818.5	1567.4	1198.2	1243.4	1278.2	1280.8	1252.4	1189.1	1156.8	1114.2	1109.1
40°	2897.3	1487.4	1162.0	1203.3	1225.3	1224.0	1191.7	1146.5	1168.5	1154.3	1150.4
42.5°	3026.4	1438.3	1132.3	1160.7	1176.2	1178.8	1153.0	1124.6	1172.3	1154.3	1147.8
45°	3234.3	1435.7	1111.7	1118.1	1142.6	1160.7	1142.6	1110.4	1128.4	1040.6	1023.9
47.5°	3480.9	1479.6	1096.2	1080.7	1123.3	1155.6	1127.2	1075.5	1038.1	958.0	946.4
50°	3777.8	1568.7	1082.0	1040.6	1094.9	1136.2	1107.8	1036.8	980.0	937.4	930.9
52.5°	4130.3	1686.2	1063.9	995.5	1052.3	1125.9	1107.8	1032.9	958.0	919.3	912.8
55°	4499.6	1821.8	1043.2	941.2	1004.5	1128.4	1116.8	1005.8	941.2	920.6	915.4
57.5°	4957.9	1984.5	1005.8	878.0	961.9	1105.2	1080.7	990.3	929.6	912.8	907.7
60°	5553.1	2225.9	934.8	813.4	912.8	1063.9	1048.4	964.5	898.6	884.4	880.5
62.5°	6495.6	2635.2	848.3	751.4	854.7	977.4	1000.6	915.4	859.9	858.6	857.3
65°	8032.1	3127.1	746.3	695.9	794.0	906.4	937.4	865.1	819.9	834.1	832.8
67.5°	9108.9	3169.7	662.3	637.8	723.0	828.9	874.1	813.4	764.3	791.5	790.2
70°	8343.2	2472.5	590.0	577.1	646.9	745.0	805.7	748.9	699.8	725.6	720.4
72.5°	7036.6	1895.4	521.6	513.9	569.4	657.2	717.9	684.3	632.7	632.7	621.0
75°	5655.1	1563.5	449.3	445.4	482.9	568.1	636.5	579.7	531.9	529.4	521.6
77.5°	3243.3	1025.2	377.0	374.4	386.0	475.1	494.5	482.9	446.7	429.9	424.8
80°	1292.4	533.2	297.0	280.2	291.8	348.6	389.9	370.6	339.6	318.9	307.3
82.5°	501.0	267.3	209.2	183.3	200.1	251.8	282.8	276.3	255.6	209.2	196.3
85°	204.0	130.4	125.2	105.9	116.2	135.6	162.7	140.7	116.2	82.6	78.8
87.5°	54.2	47.8	46.5	28.4	21.9	6.5	1.3	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)