

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: P637336

Luminaire Tested: GWS-SA4C-750-U-T2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637336  
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-SA4C-750-U-T2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS  
Light Source: (64) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

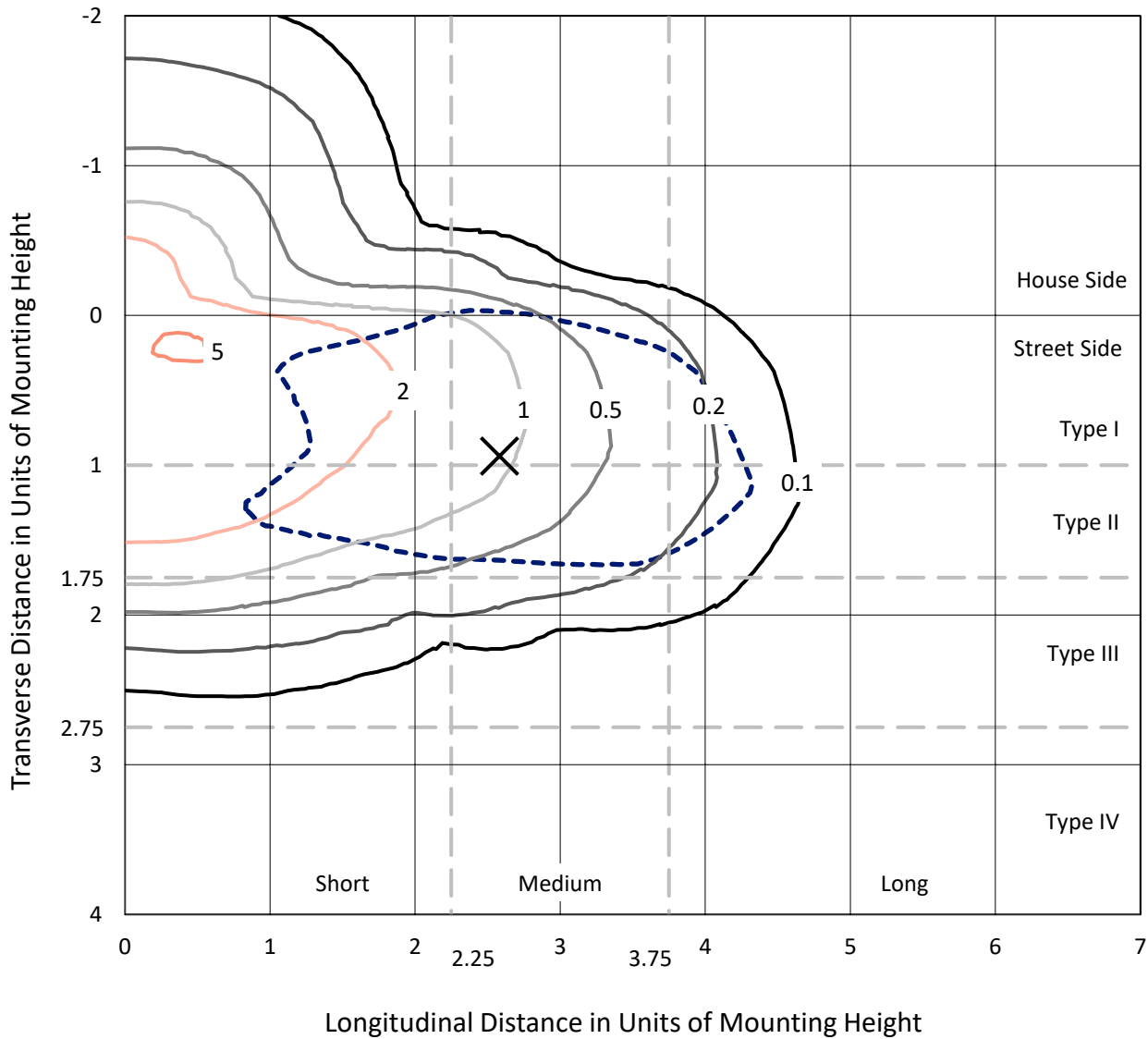
Lumens per Lamp: N/A  
Luminaire Lumens: 19700.6 lumens  
Efficiency: N/A  
Efficacy: 153.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 128.5  
Input Voltage (V): 120  
Input Current (Ain): 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

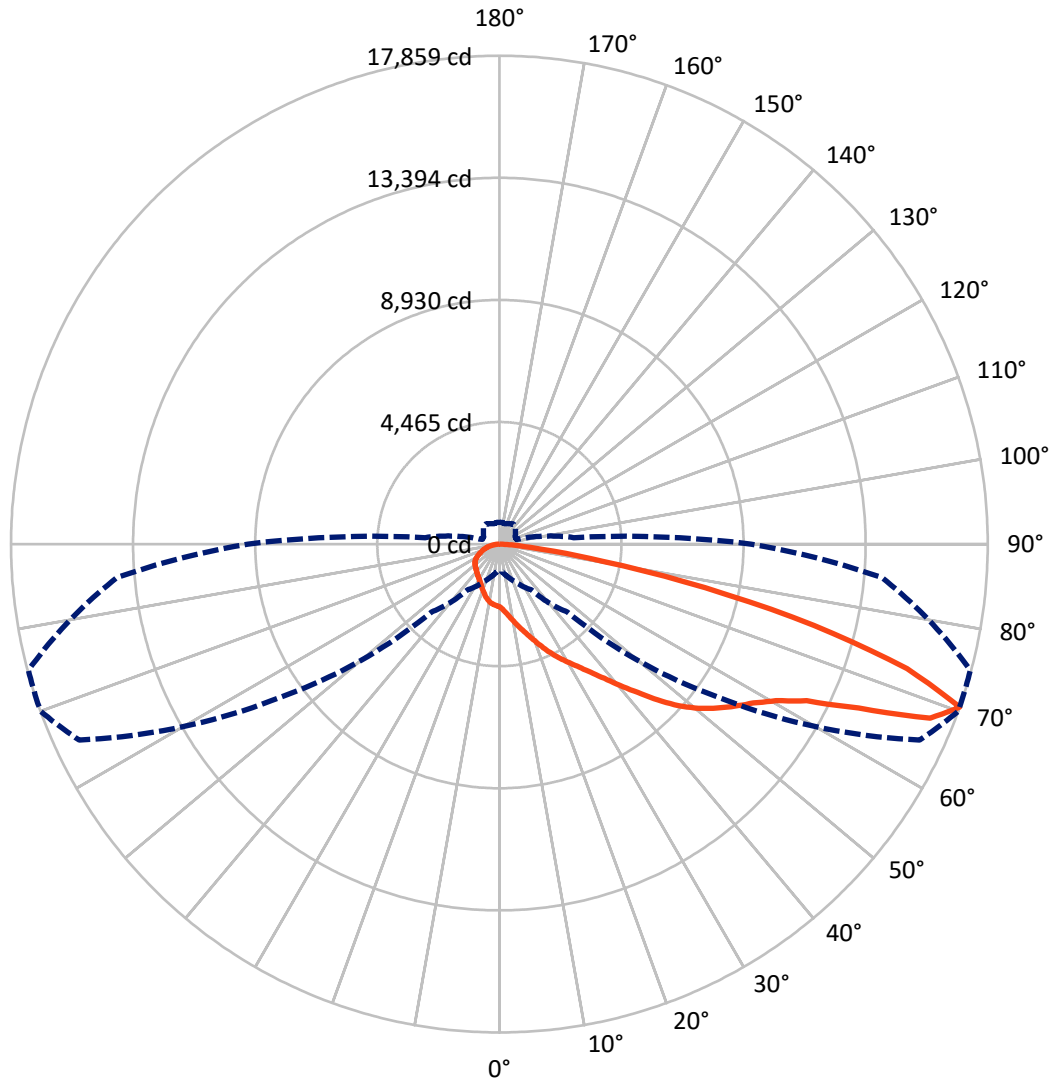
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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	3530.4	0.0	3530.4
	% Fixture	17.9	0.0	17.9
<b>Street Side</b>	Lumens	16170.2	0.0	16170.2
	% Fixture	82.1	0.0	82.1
<b>Total</b>	Lumens	19700.6	0.0	19700.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	233.5	1.2
10°-20°	759.6	3.9
20°-30°	1345.7	6.8
30°-40°	2025.3	10.3
40°-50°	3064.0	15.6
50°-60°	4389.4	22.3
60°-70°	4852.0	24.6
70°-80°	2738.1	13.9
80°-90°	292.9	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°	19700.6	100.0
0°-180°	19700.6	100.0

**Coefficient of Utilization**



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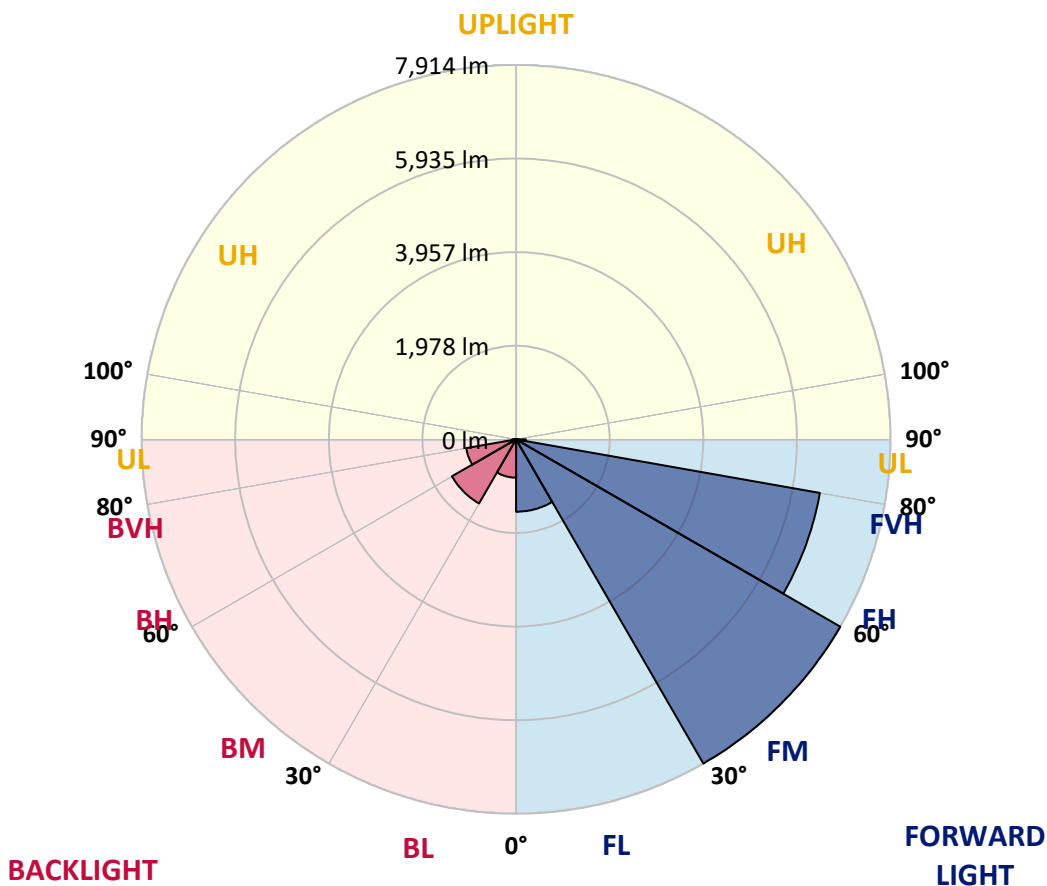
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1529.4	7.8			
FM (30°-60°)	7913.7	40.2			
FH (60°-80°)	6520.1	33.1			G3/7500
FVH (80°-90°)	207.0	1.1			G2/225
BL (0°-30°)	809.5	4.1	B2/1000		
BM (30°-60°)	1565.0	7.9	B2/2500		
BH (60°-80°)	1070.0	5.4	B3/2500		G3/2500
BVH (80°-90°)	85.8	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	2297.5	2297.5	2297.5	2297.5	2297.5	2297.5	2297.5	2297.5	2297.5	2297.5	2297.5
2.5°	2545.2	2540.9	2543.8	2540.9	2525.3	2486.8	2455.5	2415.6	2388.6	2372.9	2335.9
5°	2844.1	2839.8	2829.9	2815.6	2787.2	2734.5	2656.2	2569.4	2516.7	2476.9	2398.6
7.5°	3059.1	3059.1	3057.6	3040.6	3020.6	2965.1	2872.6	2758.7	2681.8	2613.5	2485.4
10°	3168.7	3175.8	3185.7	3209.9	3205.7	3175.8	3089.0	2966.5	2869.7	2790.0	2599.3
12.5°	3228.5	3232.7	3249.8	3299.6	3350.9	3358.0	3306.7	3178.6	3073.3	2966.5	2726.0
15°	3305.3	3306.7	3329.5	3389.3	3464.8	3540.2	3527.4	3399.3	3291.1	3172.9	2866.9
17.5°	3365.1	3375.1	3416.4	3486.1	3580.1	3684.0	3746.6	3666.9	3533.1	3397.8	3020.6
20°	3386.5	3393.6	3447.7	3554.4	3682.5	3829.2	3968.7	3947.3	3812.1	3652.7	3194.3
22.5°	3463.3	3463.3	3503.2	3592.9	3743.8	3957.3	4183.6	4239.1	4119.6	3933.1	3380.8
25°	3632.7	3627.0	3645.5	3682.5	3796.4	4059.8	4395.7	4562.3	4428.4	4219.2	3567.2
27.5°	3864.8	3861.9	3860.5	3866.2	3904.6	4149.4	4575.1	4864.0	4730.2	4493.9	3733.8
30°	4116.7	4108.2	4126.7	4109.6	4101.0	4256.2	4727.4	5134.5	5030.6	4765.8	3871.9
32.5°	4459.8	4444.1	4439.8	4384.3	4350.2	4422.8	4849.8	5442.0	5359.4	5059.1	4027.0
35°	4912.4	4898.2	4825.6	4737.3	4636.3	4670.4	5002.1	5742.3	5748.0	5426.3	4230.6
37.5°	5369.4	5372.2	5315.3	5107.4	5003.5	4983.6	5234.1	6108.2	6230.6	5864.7	4493.9
40°	5749.4	5766.5	5766.5	5547.3	5392.1	5373.6	5560.1	6542.3	6785.7	6402.8	4827.0
42.5°	6038.4	6054.1	6103.9	5945.9	5782.2	5846.2	5955.8	6977.9	7414.9	7067.6	5248.4
45°	6355.8	6368.7	6395.7	6304.6	6209.2	6380.0	6404.2	7498.9	8135.2	7813.5	5738.1
47.5°	6777.2	6765.8	6768.7	6701.7	6627.7	6903.9	6898.2	7937.3	8831.3	8630.6	6269.0
50°	7301.0	7322.4	7302.5	7170.1	7083.2	7335.2	7367.9	8422.7	9443.4	9439.1	6804.2
52.5°	7804.9	7813.5	7918.8	7924.5	7746.6	7693.9	7779.3	8912.4	9960.1	10179.3	7318.1
55°	7830.6	7863.3	8179.3	8407.1	8694.6	8271.8	8195.0	9379.3	10459.7	10903.9	7851.9
57.5°	7285.4	7338.0	7874.7	8365.8	9165.8	9264.0	8906.7	9982.9	10959.4	11617.0	8469.7
60°	6121.0	6230.6	6959.4	7711.0	8953.7	9977.2	10362.9	10802.8	11615.6	12345.8	9219.9
62.5°	3908.9	3951.6	4973.6	6232.0	7998.5	9907.4	11948.7	12247.6	12614.9	13295.3	10375.8
65°	1957.3	2093.9	2693.2	3719.6	5767.9	8730.2	12750.1	14893.9	14444.1	14920.9	12249.1
67.5°	1328.1	1372.2	1675.4	2234.9	3382.2	6185.0	12253.3	17123.0	16990.7	17069.0	14246.2
70°	979.4	1007.8	1247.0	1582.9	2045.5	3511.7	9755.1	16955.1	17859.0	17830.5	14036.9
72.5°	714.6	728.8	909.6	1208.5	1516.0	1816.4	5957.3	13696.7	15590.0	16411.3	12276.1
75°	519.6	536.7	632.0	903.9	1178.6	1133.1	2940.9	9893.2	11888.9	13469.0	10001.4
77.5°	387.2	408.5	452.7	566.5	825.6	811.4	1271.2	6424.2	7689.6	8797.1	6075.4
80°	279.0	283.3	308.9	363.0	523.8	475.4	605.0	3349.5	3840.6	4207.8	2381.5
82.5°	169.4	173.7	206.4	223.5	324.6	298.9	314.6	1084.7	1554.4	1649.8	889.7
85°	49.8	52.7	93.9	102.5	135.2	128.1	126.7	441.3	526.7	673.3	350.2
87.5°	0.0	0.0	0.0	0.0	1.4	8.5	15.7	78.3	118.1	163.7	85.4
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°	2297.5	2297.5	2297.5	2297.5	2297.5	2297.5	2297.5	2297.5	2297.5	2297.5	2297.5
2.5°	2321.7	2289.0	2271.9	2242.0	2220.6	2199.3	2177.9	2158.0	2149.5	2136.6	2139.5
5°	2363.0	2311.7	2260.5	2202.1	2152.3	2111.0	2074.0	2041.3	2027.0	2014.2	2019.9
7.5°	2425.6	2348.7	2250.5	2143.8	2065.5	2008.5	1970.1	1947.3	1940.2	1930.2	1930.2
10°	2505.3	2390.0	2217.8	2065.5	1971.5	1926.0	1908.9	1907.5	1914.6	1916.0	1913.2
12.5°	2593.6	2429.9	2169.4	1972.9	1893.2	1879.0	1891.8	1916.0	1940.2	1953.0	1950.2
15°	2684.7	2455.5	2086.8	1884.7	1836.3	1854.8	1896.1	1944.5	1991.4	2015.6	2014.2
17.5°	2770.1	2461.2	1980.1	1799.3	1786.5	1833.4	1904.6	1980.1	2044.1	2078.3	2079.7
20°	2865.5	2451.2	1870.5	1722.4	1736.6	1813.5	1907.5	1998.6	2074.0	2108.2	2116.7
22.5°	2952.3	2417.1	1763.7	1649.8	1693.9	1789.3	1884.7	1970.1	2037.0	2069.7	2081.1
25°	3030.6	2351.6	1647.0	1588.6	1661.2	1755.2	1827.7	1887.5	1934.5	1954.4	1970.1
27.5°	3073.3	2253.4	1558.7	1540.2	1629.9	1706.8	1746.6	1765.1	1780.8	1775.1	1786.5
30°	3081.8	2131.0	1481.8	1501.8	1582.9	1639.8	1648.4	1629.9	1602.8	1558.7	1568.7
32.5°	3073.3	1990.0	1417.8	1460.5	1530.2	1564.4	1553.0	1504.6	1439.1	1370.8	1375.1
35°	3076.1	1847.7	1365.1	1414.9	1469.0	1487.5	1459.1	1392.2	1322.4	1259.8	1256.9
37.5°	3107.5	1728.1	1321.0	1370.8	1409.2	1412.1	1380.8	1311.0	1275.4	1228.5	1222.8
40°	3194.3	1639.8	1281.1	1326.7	1350.9	1349.5	1313.9	1264.1	1288.3	1272.6	1268.3
42.5°	3336.6	1585.8	1248.4	1279.7	1296.8	1299.6	1271.2	1239.9	1292.5	1272.6	1265.5
45°	3565.8	1582.9	1225.6	1232.7	1259.8	1279.7	1259.8	1224.2	1244.1	1147.3	1128.8
47.5°	3837.7	1631.3	1208.5	1191.5	1238.4	1274.0	1242.7	1185.8	1144.5	1056.2	1043.4
50°	4165.1	1729.5	1192.9	1147.3	1207.1	1252.7	1221.3	1143.1	1080.4	1033.4	1026.3
52.5°	4553.7	1859.1	1172.9	1097.5	1160.1	1241.3	1221.3	1138.8	1056.2	1013.5	1006.4
55°	4960.8	2008.5	1150.2	1037.7	1107.5	1244.1	1231.3	1108.9	1037.7	1014.9	1009.2
57.5°	5466.2	2187.9	1108.9	968.0	1060.5	1218.5	1191.5	1091.8	1024.9	1006.4	1000.7
60°	6122.4	2454.1	1030.6	896.8	1006.4	1172.9	1155.9	1063.3	990.7	975.1	970.8
62.5°	7161.5	2905.3	935.2	828.5	942.3	1077.6	1103.2	1009.2	948.0	946.6	945.2
65°	8855.5	3447.7	822.8	767.3	875.4	999.3	1033.4	953.7	903.9	919.6	918.1
67.5°	10042.7	3494.6	730.2	703.2	797.1	913.9	963.7	896.8	842.7	872.6	871.2
70°	9198.5	2726.0	650.5	636.3	713.2	821.3	888.3	825.6	771.5	800.0	794.3
72.5°	7758.0	2089.7	575.1	566.5	627.8	724.6	791.5	754.4	697.5	697.5	684.7
75°	6234.8	1723.8	495.4	491.1	532.4	626.3	701.8	639.1	586.5	583.6	575.1
77.5°	3575.8	1130.2	415.7	412.8	425.6	523.8	545.2	532.4	492.5	474.0	468.3
80°	1424.9	587.9	327.4	308.9	321.7	384.3	429.9	408.5	374.4	351.6	338.8
82.5°	552.3	294.7	230.6	202.1	220.6	277.6	311.7	304.6	281.8	230.6	216.4
85°	224.9	143.8	138.1	116.7	128.1	149.5	179.4	155.2	128.1	91.1	86.8
87.5°	59.8	52.7	51.2	31.3	24.2	7.1	1.4	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)