

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: P634362

Luminaire Tested: GWS-SA3B-750-U-T1-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634362  
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-SA3B-750-U-T1-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

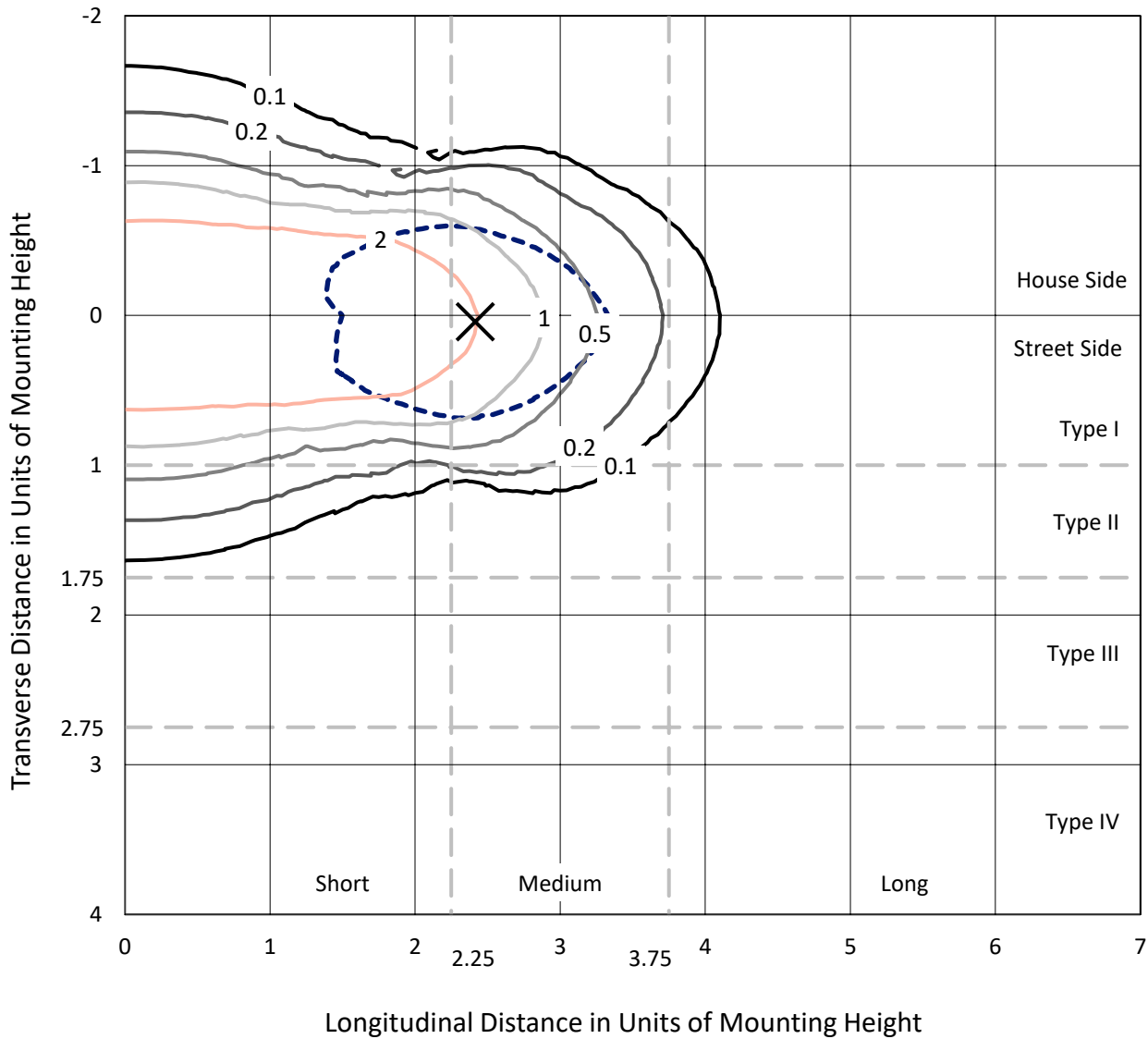
Lumens per Lamp: N/A  
Luminaire Lumens: 10620.4 lumens  
Efficiency: N/A  
Efficacy: 155.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

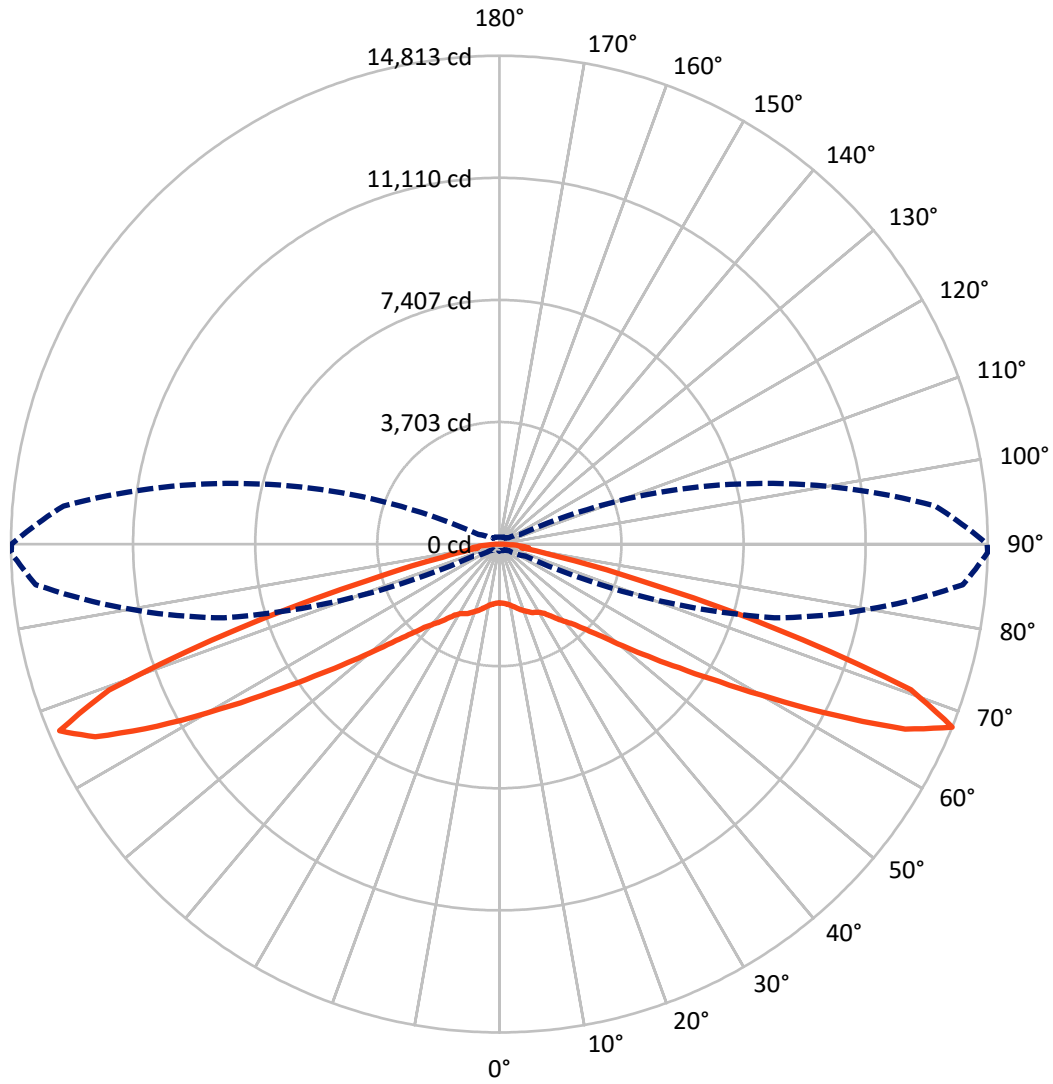
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.9 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	5263.7	0.0	5263.7
	% Fixture	49.6	0.0	49.6
<b>Street Side</b>	Lumens	5356.7	0.0	5356.7
	% Fixture	50.4	0.0	50.4
<b>Total</b>	Lumens	10620.4	0.0	10620.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	178.8	1.7
10°-20°	582.2	5.5
20°-30°	984.2	9.3
30°-40°	1350.7	12.7
40°-50°	1722.4	16.2
50°-60°	2161.0	20.3
60°-70°	2606.4	24.5
70°-80°	942.9	8.9
80°-90°	91.7	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°	10620.4	100.0
0°-180°	10620.4	100.0

**Coefficient of Utilization**



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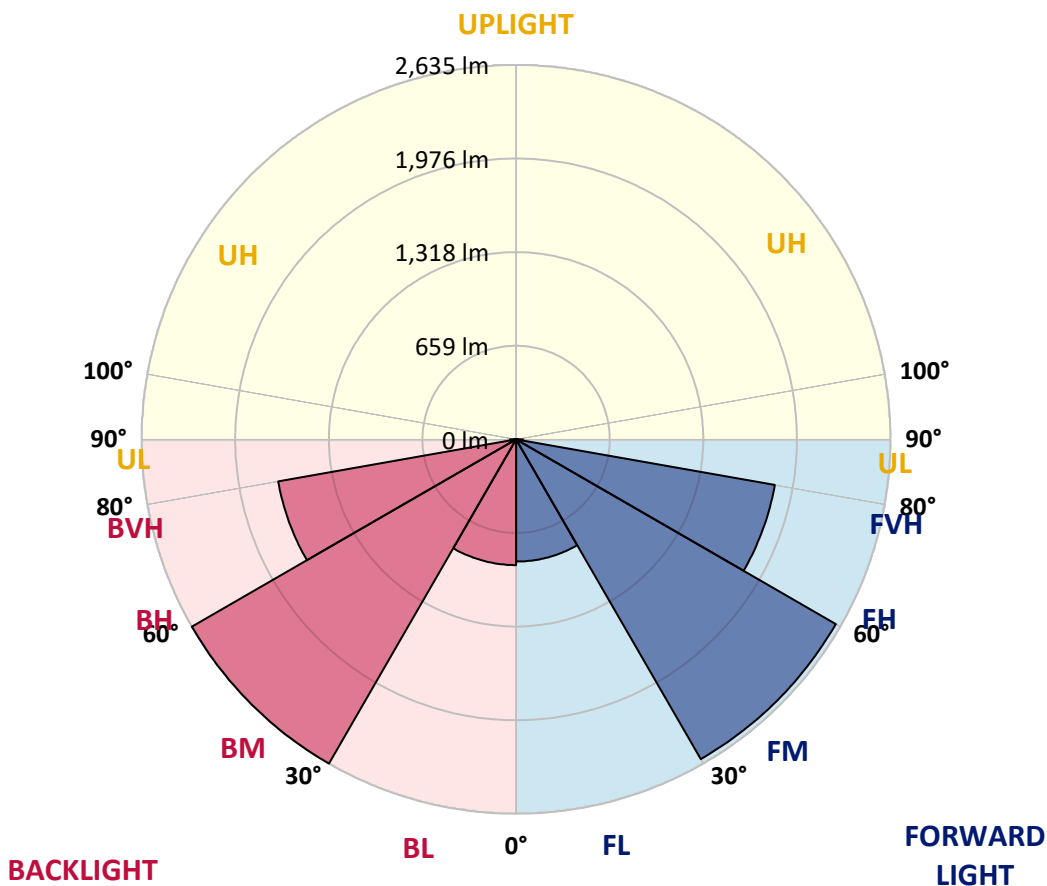
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	860.2	8.1			
FM (30°-60°)	2599.0	24.5			
FH (60°-80°)	1849.2	17.4			G2/5000
FVH (80°-90°)	48.4	0.5			G1/100
BL (0°-30°)	885.0	8.3	B2/1000		
BM (30°-60°)	2635.1	24.8	B3/5000		
BH (60°-80°)	1700.2	16.0	B3/2500		G3/2500
BVH (80°-90°)	43.3	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 I Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1782.5	1782.5	1782.5	1782.5	1782.5	1782.5	1782.5	1782.5	1782.5	1782.5	1782.5
2.5°	1787.9	1786.4	1782.5	1794.0	1791.7	1792.5	1797.0	1794.0	1788.7	1779.5	1792.5
5°	1838.2	1837.5	1829.1	1835.9	1828.3	1823.0	1822.2	1814.6	1808.5	1798.6	1812.3
7.5°	1887.0	1886.3	1879.4	1891.6	1885.5	1879.4	1872.6	1857.3	1842.8	1828.3	1843.6
10°	1924.4	1923.7	1922.1	1939.7	1941.2	1943.5	1940.4	1914.5	1889.3	1871.8	1887.0
12.5°	1945.8	1948.1	1951.9	1983.9	1999.9	2015.2	2019.0	1997.6	1955.7	1930.5	1948.8
15°	1931.3	1935.9	1954.9	2012.9	2057.1	2091.5	2106.0	2088.4	2034.3	1992.3	2012.9
17.5°	1861.9	1865.7	1903.1	1991.5	2089.2	2168.5	2192.1	2181.5	2121.2	2070.1	2089.9
20°	1765.8	1774.2	1814.6	1938.1	2083.8	2221.9	2285.2	2281.4	2215.8	2137.2	2160.9
22.5°	1678.8	1688.7	1731.4	1868.0	2048.0	2235.6	2379.0	2388.9	2302.0	2204.3	2223.4
25°	1581.2	1590.3	1645.3	1784.8	1986.2	2224.9	2459.1	2504.1	2399.6	2281.4	2298.9
27.5°	1481.3	1488.1	1542.3	1691.0	1905.4	2205.1	2522.4	2630.7	2495.7	2334.8	2347.0
30°	1393.5	1402.7	1452.3	1597.2	1816.9	2165.4	2574.3	2765.7	2606.3	2395.0	2405.0
32.5°	1308.9	1316.5	1370.7	1504.9	1723.1	2104.4	2620.8	2924.4	2770.3	2507.2	2507.2
35°	1202.1	1215.8	1276.8	1416.4	1634.6	2023.6	2654.4	3109.0	2994.6	2672.7	2673.4
37.5°	1103.7	1111.3	1175.4	1316.5	1541.5	1932.0	2657.4	3300.4	3278.3	2883.2	2884.7
40°	991.6	1001.5	1070.1	1209.7	1434.7	1835.9	2628.4	3478.9	3575.8	3099.8	3091.4
42.5°	877.9	892.4	958.0	1094.5	1319.6	1718.5	2551.4	3649.0	3953.3	3350.8	3330.2
45°	768.1	777.2	842.8	971.7	1187.6	1578.1	2427.8	3812.2	4401.8	3732.1	3702.4
47.5°	644.5	648.3	716.2	839.8	1051.1	1421.8	2250.9	3957.9	4894.6	4237.1	4186.0
50°	534.7	540.0	593.4	699.4	884.0	1236.4	2030.4	4043.3	5522.3	4925.8	4837.4
52.5°	432.5	437.8	480.5	565.2	730.7	1025.1	1757.4	4023.5	6159.2	5780.9	5652.0
55°	349.3	353.2	382.1	448.5	575.1	815.4	1434.7	3845.8	6866.3	6897.6	6619.9
57.5°	295.2	296.7	316.5	357.0	449.3	628.5	1107.5	3426.3	7607.7	8322.4	7866.2
60°	263.9	264.7	273.8	299.0	354.7	479.8	811.6	2758.1	8375.8	10104.9	9479.5
62.5°	244.1	244.1	251.7	266.2	294.4	369.2	596.5	1980.9	8927.2	12044.6	11423.0
65°	225.0	225.0	230.4	242.6	257.8	301.3	447.7	1277.6	9198.0	13666.2	13528.1
67.5°	200.6	201.4	205.2	218.1	231.9	251.7	339.4	864.2	8635.9	14114.7	14813.4
70°	177.7	178.5	183.8	192.2	203.7	217.4	265.4	595.7	6285.8	11755.5	13245.2
72.5°	152.6	155.6	159.4	168.6	175.4	185.3	216.6	386.0	3657.4	7561.9	8755.6
75°	125.1	128.9	133.5	142.6	147.2	151.0	178.5	275.4	1759.7	3832.1	4363.7
77.5°	96.9	100.7	106.0	114.4	117.5	122.0	136.5	199.1	842.8	1698.6	1831.4
80°	64.8	66.4	70.9	80.9	86.2	89.2	100.7	135.8	366.1	681.9	675.8
82.5°	39.7	40.4	42.0	48.1	50.3	53.4	65.6	83.1	174.7	775.0	888.6
85°	14.5	13.7	13.0	16.8	19.8	22.9	30.5	42.0	76.3	532.4	595.7
87.5°	0.0	0.0	0.0	0.8	1.5	1.5	3.1	6.1	18.3	199.1	136.5
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°	1782.5	1782.5	1782.5	1782.5	1782.5	1782.5	1782.5	1782.5	1782.5	1782.5	1782.5
2.5°	1788.7	1780.3	1790.9	1798.6	1815.3	1821.4	1823.0	1817.6	1817.6	1808.5	1810.0
5°	1809.2	1803.9	1821.4	1834.4	1858.8	1868.0	1874.1	1870.3	1872.6	1866.5	1868.0
7.5°	1840.5	1835.9	1866.5	1891.6	1916.8	1927.5	1932.8	1929.8	1930.5	1922.9	1925.2
10°	1884.0	1885.5	1922.1	1954.9	1988.5	1999.2	2001.5	1992.3	1984.7	1970.9	1971.7
12.5°	1943.5	1951.1	2003.0	2039.6	2073.9	2089.2	2072.4	2038.8	2007.6	1983.9	1980.9
15°	2008.3	2022.1	2096.8	2143.3	2180.7	2173.1	2123.5	2048.0	1986.2	1951.1	1944.3
17.5°	2086.1	2106.7	2200.5	2256.2	2288.3	2239.4	2135.7	2022.8	1936.6	1889.3	1880.2
20°	2159.3	2192.1	2310.4	2382.8	2386.6	2276.8	2130.4	1971.7	1863.4	1805.4	1793.2
22.5°	2226.5	2268.4	2425.5	2517.8	2468.3	2293.6	2097.6	1899.2	1774.9	1707.0	1696.4
25°	2299.7	2359.2	2559.8	2646.0	2549.9	2286.7	2028.9	1809.2	1668.1	1598.7	1591.1
27.5°	2350.0	2424.8	2694.8	2777.2	2617.0	2247.8	1940.4	1710.9	1570.5	1504.9	1494.2
30°	2408.0	2503.3	2843.5	2919.8	2658.2	2190.6	1845.9	1619.3	1479.7	1408.8	1401.2
32.5°	2513.3	2633.0	3028.1	3070.8	2671.2	2119.7	1755.1	1530.8	1385.2	1314.2	1303.5
35°	2682.6	2822.9	3287.5	3239.4	2661.2	2041.9	1668.9	1427.1	1288.3	1221.9	1211.2
37.5°	2896.2	3070.8	3576.5	3391.2	2633.8	1956.5	1566.7	1340.2	1201.3	1134.2	1128.1
40°	3095.2	3310.3	3900.7	3522.4	2578.1	1851.2	1468.3	1249.4	1107.5	1036.6	1022.8
42.5°	3344.7	3630.7	4276.0	3636.0	2486.6	1725.3	1357.7	1137.3	990.1	926.0	909.2
45°	3723.7	4079.2	4712.3	3745.1	2350.0	1570.5	1218.9	1000.7	861.1	795.5	782.6
47.5°	4196.7	4639.8	5185.2	3809.9	2142.6	1407.3	1061.7	856.6	717.0	643.0	636.9
50°	4861.0	5455.2	5692.4	3798.5	1910.7	1213.5	884.8	685.0	568.2	514.9	506.5
52.5°	5670.3	6478.8	6240.8	3661.2	1664.3	993.1	689.5	537.7	450.8	412.6	405.8
55°	6685.5	7704.5	6818.2	3366.8	1353.1	760.5	541.6	424.1	364.6	341.7	338.7
57.5°	7942.5	9291.8	7374.3	2871.0	1017.5	580.5	417.2	350.1	321.9	308.2	307.4
60°	9601.5	10976.7	7857.1	2231.0	728.4	443.9	344.8	312.7	290.6	281.5	280.7
62.5°	11574.0	12506.8	8157.6	1519.4	547.7	353.9	303.6	283.7	270.8	265.4	264.7
65°	13601.4	13474.0	8014.2	995.4	415.7	300.5	272.3	261.6	250.2	244.8	244.8
67.5°	14798.9	13269.6	6913.6	691.1	329.5	263.9	245.6	235.7	216.6	212.0	212.0
70°	13107.9	10752.5	4531.5	505.7	267.0	231.1	213.6	199.8	192.2	187.6	186.9
72.5°	8669.4	6996.7	2409.5	350.9	222.7	196.8	180.8	175.4	166.3	161.7	160.9
75°	4314.9	3674.9	1234.9	253.2	185.3	157.9	151.0	148.7	141.1	135.0	133.5
77.5°	1798.6	1636.1	575.9	183.8	141.1	127.4	121.3	121.3	112.9	106.0	103.0
80°	678.1	604.1	272.3	125.9	104.5	94.6	90.8	87.7	80.9	72.5	67.9
82.5°	906.9	592.7	133.5	78.6	68.6	61.0	55.7	53.4	49.6	45.8	42.7
85°	587.3	421.0	60.3	40.4	34.3	25.9	22.9	21.4	19.1	16.8	15.3
87.5°	119.8	141.1	18.3	7.6	4.6	2.3	2.3	0.8	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)