

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: P636087

Luminaire Tested: GWS-SA3F-722-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636087
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-722-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17855.9 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 III - Short
BUG Rating: B3 - U0 - G3

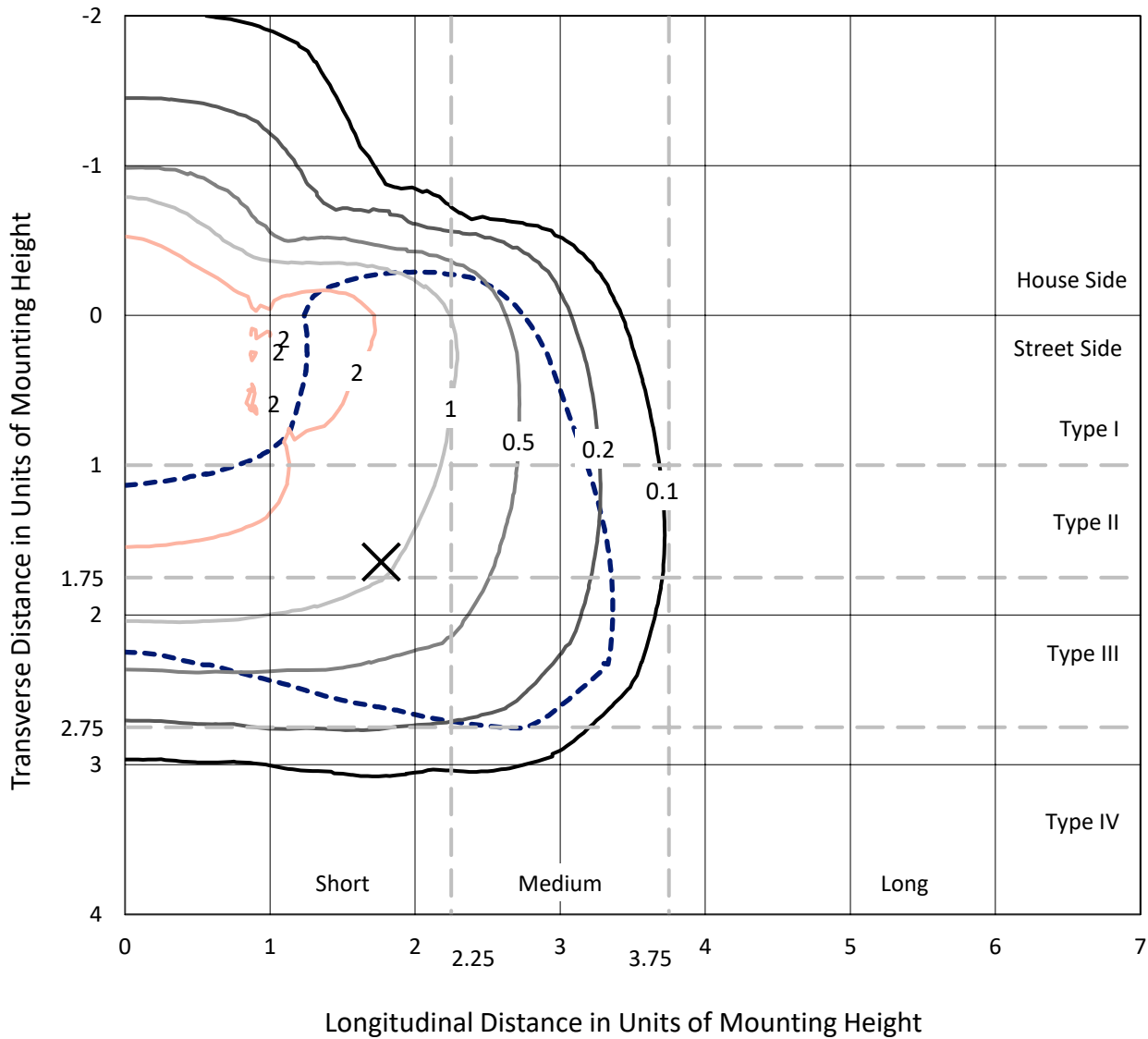
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

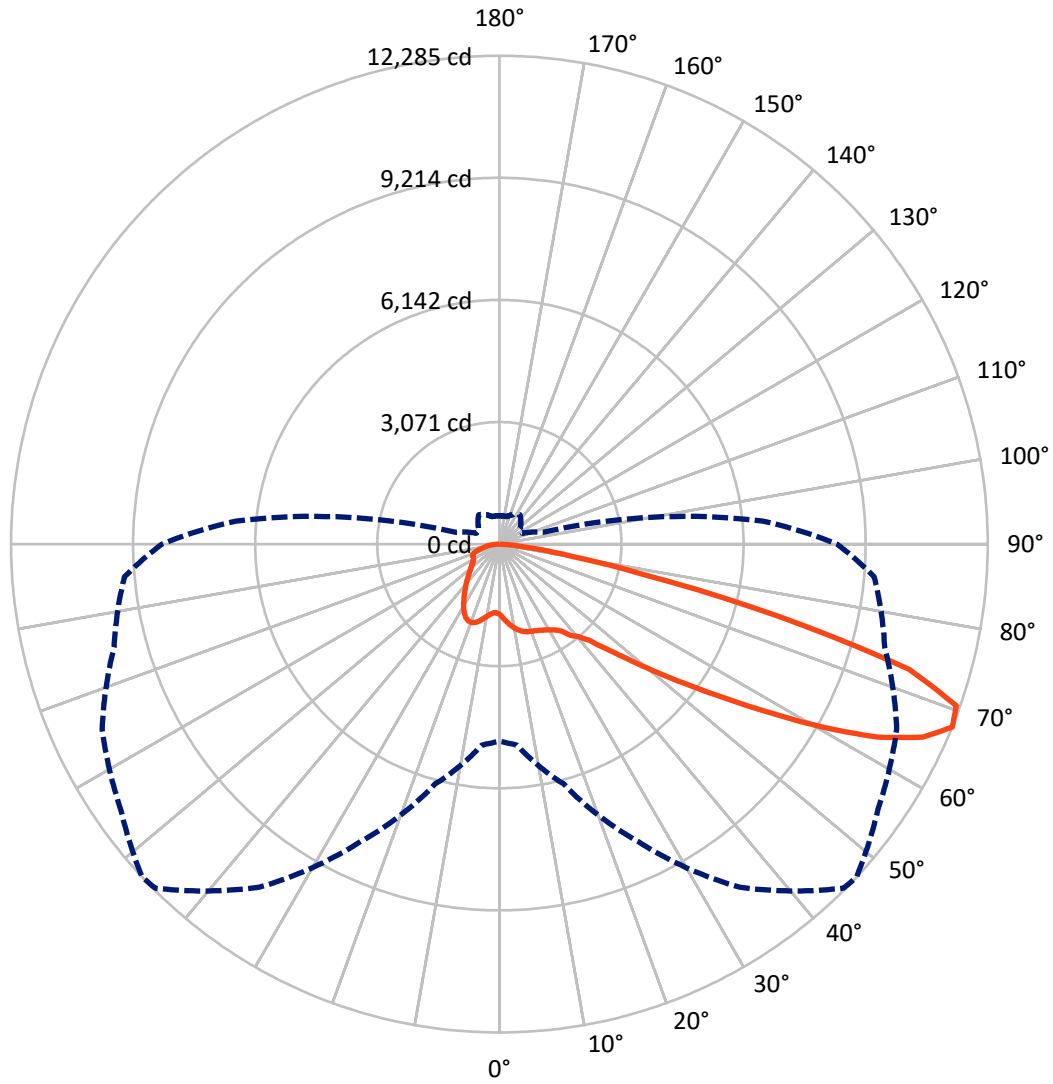
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4069.5	0.0	4069.5
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	13786.4	0.0	13786.4
	% Fixture	77.2	0.0	77.2
Total	Lumens	17855.9	0.0	17855.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.9	1.0
10°-20°	602.7	3.4
20°-30°	1024.4	5.7
30°-40°	1500.7	8.4
40°-50°	2286.5	12.8
50°-60°	4091.0	22.9
60°-70°	5459.0	30.6
70°-80°	2468.7	13.8
80°-90°	241.9	1.4
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°	17855.9	100.0
0°-180°	17855.9	100.0

Coefficient of Utilization



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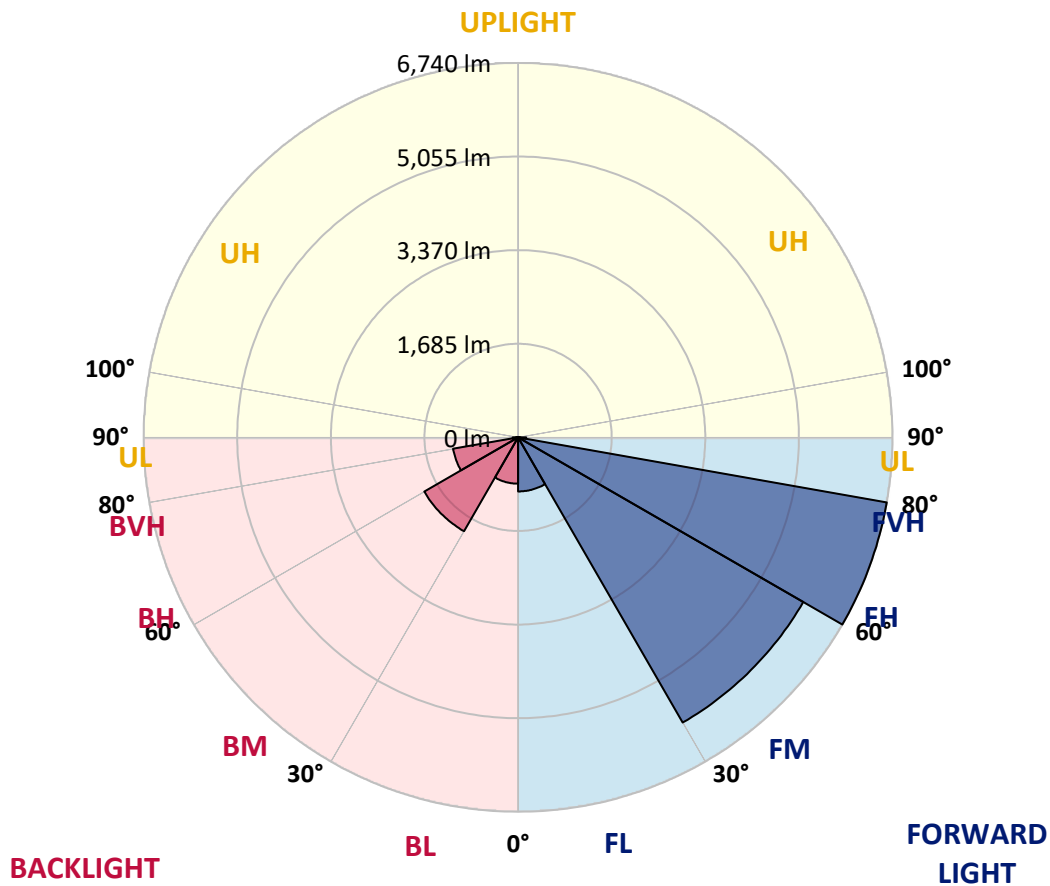
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	973.8	5.5			
FM (30°-60°)	5928.3	33.2			
FH (60°-80°)	6740.4	37.7			G3/7500
FVH (80°-90°)	143.9	0.8			G2/225
BL (0°-30°)	834.3	4.7	B2/1000		
BM (30°-60°)	1949.9	10.9	B2/2500		
BH (60°-80°)	1187.3	6.6	B3/2500		G3/2500
BVH (80°-90°)	98.0	0.5			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1770.1	1770.1	1770.1	1770.1	1770.1	1770.1	1770.1	1770.1	1770.1	1770.1	1770.1
2.5°	1887.6	1894.0	1892.7	1882.4	1876.0	1864.3	1865.6	1847.6	1820.4	1802.4	1781.7
5°	2054.1	2064.5	2051.5	2034.8	2008.9	1971.5	1967.6	1926.3	1874.7	1838.5	1801.1
7.5°	2198.7	2205.2	2189.7	2161.3	2123.8	2073.5	2064.5	2015.4	1950.8	1894.0	1839.8
10°	2311.1	2318.8	2298.1	2260.7	2211.6	2161.3	2154.8	2104.5	2036.0	1968.9	1900.5
12.5°	2406.6	2409.2	2387.2	2336.9	2283.9	2232.3	2225.8	2179.4	2116.1	2047.7	1972.8
15°	2462.1	2463.4	2436.3	2380.8	2330.4	2285.2	2281.4	2241.3	2183.2	2118.7	2038.6
17.5°	2458.2	2460.8	2441.5	2392.4	2348.5	2321.4	2317.5	2291.7	2246.5	2188.4	2108.4
20°	2410.5	2413.0	2400.1	2367.9	2344.6	2336.9	2338.2	2330.4	2303.3	2255.5	2174.2
22.5°	2373.0	2376.9	2365.3	2342.0	2339.5	2357.5	2361.4	2365.3	2352.4	2309.8	2231.0
25°	2391.1	2397.6	2379.5	2347.2	2352.4	2392.4	2400.1	2413.0	2402.7	2366.6	2298.1
27.5°	2516.3	2520.2	2473.7	2407.9	2392.4	2435.0	2446.6	2467.3	2459.5	2426.0	2373.0
30°	2806.8	2804.2	2704.8	2543.4	2478.9	2495.7	2504.7	2534.4	2537.0	2515.0	2464.7
32.5°	3216.1	3203.2	3049.6	2792.6	2605.4	2564.1	2574.4	2614.5	2644.2	2620.9	2552.5
35°	3648.6	3637.0	3467.9	3167.0	2839.1	2695.8	2684.2	2715.2	2760.4	2695.8	2597.7
37.5°	4060.5	4042.4	3869.4	3497.6	3127.0	2926.9	2910.1	2879.1	2852.0	2728.1	2653.2
40°	4517.5	4496.9	4345.8	3924.9	3444.6	3103.8	3061.2	2938.5	2914.0	2835.2	2797.8
42.5°	5005.6	5005.6	4880.3	4465.9	3828.1	3356.8	3301.3	3116.7	3142.5	3090.9	3047.0
45°	5493.6	5507.8	5408.4	5010.7	4340.6	3834.5	3745.5	3483.4	3545.3	3522.1	3500.1
47.5°	5909.3	5936.4	5917.1	5567.2	4968.1	4415.5	4280.0	4007.5	4140.5	4196.0	4258.0
50°	6357.3	6387.0	6367.7	6229.5	5702.7	5119.2	4997.8	4716.4	4944.9	5111.4	5314.1
52.5°	7022.2	7064.8	6903.5	6850.5	6594.9	5918.4	5809.9	5489.7	5904.2	6180.4	6632.3
55°	7583.9	7582.6	7525.8	7647.1	7552.9	6895.7	6775.6	6485.1	7014.5	7307.6	7968.6
57.5°	7844.7	7875.7	8070.6	8414.0	8602.5	8090.0	7975.1	7678.1	8206.2	8358.5	9072.5
60°	7978.9	8017.7	8394.7	9073.8	9581.2	9394.0	9348.8	8970.5	9267.4	9249.4	10003.4
62.5°	7790.4	7867.9	8473.4	9375.9	10279.7	10704.4	10690.2	10118.3	10169.9	9993.0	10580.5
65°	6925.4	7009.3	7959.6	9224.8	10678.6	11701.2	11705.0	11157.6	10863.2	10354.5	10483.7
67.5°	4952.6	5072.7	6247.6	8253.9	10537.9	12239.5	12284.7	11628.9	11025.9	10034.4	9466.3
70°	2699.7	2787.5	3708.0	5999.7	9270.0	12110.4	12194.3	11401.6	10308.1	8680.0	7286.9
72.5°	1226.5	1254.9	1724.9	3292.3	6332.8	10424.3	10775.4	10175.1	8465.7	6411.6	4633.7
75°	561.6	574.5	751.4	1575.1	3309.1	6975.8	7222.4	7578.7	5891.2	4048.9	2415.6
77.5°	352.5	356.3	427.4	720.4	1650.0	3482.1	3741.6	4512.4	3449.8	2003.8	1009.6
80°	207.9	211.7	266.0	389.9	774.7	1593.2	1839.8	1784.3	1621.6	865.0	459.6
82.5°	104.6	108.5	153.6	222.1	422.2	633.9	746.3	750.1	604.2	468.7	259.5
85°	37.4	38.7	50.4	87.8	179.5	209.2	233.7	285.3	295.7	272.4	125.2
87.5°	0.0	0.0	1.3	2.6	5.2	20.7	21.9	41.3	86.5	96.8	50.4
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°	1770.1	1770.1	1770.1	1770.1	1770.1	1770.1	1770.1	1770.1	1770.1	1770.1	1770.1
2.5°	1775.2	1755.9	1749.4	1743.0	1732.6	1728.8	1721.0	1713.3	1713.3	1705.5	1701.7
5°	1784.3	1758.5	1741.7	1733.9	1727.5	1731.4	1731.4	1733.9	1743.0	1737.8	1740.4
7.5°	1816.6	1786.9	1763.6	1757.2	1757.2	1772.7	1783.0	1795.9	1812.7	1815.3	1815.3
10°	1873.4	1838.5	1814.0	1810.1	1816.6	1838.5	1854.0	1869.5	1890.2	1891.4	1894.0
12.5°	1935.3	1900.5	1876.0	1881.1	1887.6	1916.0	1932.8	1945.7	1966.3	1966.3	1965.0
15°	1999.9	1961.2	1940.5	1950.8	1970.2	2002.5	2005.1	2006.4	2016.7	2014.1	2012.8
17.5°	2067.0	2025.7	2010.2	2025.7	2046.4	2061.9	2049.0	2030.9	2027.0	2021.8	2019.3
20°	2132.9	2090.3	2083.8	2095.4	2101.9	2089.0	2049.0	2015.4	1999.9	1992.2	1989.6
22.5°	2189.7	2153.5	2149.7	2149.7	2117.4	2072.2	2012.8	1967.6	1947.0	1936.6	1934.1
25°	2256.8	2223.3	2216.8	2181.9	2099.3	2016.7	1936.6	1895.3	1878.5	1873.4	1874.7
27.5°	2335.6	2312.3	2291.7	2192.3	2047.7	1918.6	1828.2	1810.1	1803.7	1810.1	1814.0
30°	2432.4	2409.2	2362.7	2179.4	1965.0	1790.7	1704.2	1702.9	1722.3	1739.1	1741.7
32.5°	2511.2	2500.8	2424.7	2138.0	1848.8	1650.0	1576.4	1581.6	1616.4	1639.7	1643.6
35°	2573.1	2589.9	2476.3	2069.6	1710.7	1517.0	1458.9	1461.5	1480.9	1513.2	1514.4
37.5°	2660.9	2717.7	2522.8	1965.0	1551.9	1402.1	1349.2	1329.8	1327.2	1336.3	1338.9
40°	2837.8	2923.0	2556.4	1812.7	1398.3	1298.8	1239.4	1202.0	1169.7	1145.2	1137.5
42.5°	3105.1	3203.2	2575.7	1628.1	1261.4	1196.8	1129.7	1081.9	1025.1	973.5	955.4
45°	3595.7	3628.0	2575.7	1431.8	1140.0	1101.3	1034.2	977.4	905.1	844.4	831.5
47.5°	4380.7	4277.4	2578.3	1242.0	1032.9	1017.4	959.3	894.7	814.7	764.3	756.6
50°	5563.3	5200.5	2631.2	1084.5	943.8	946.4	903.8	832.8	760.5	723.0	716.6
52.5°	6903.5	6338.0	2773.3	968.3	868.9	888.3	865.0	796.6	732.0	699.8	693.3
55°	8163.6	7383.7	2894.6	885.7	805.6	839.2	837.9	774.7	716.6	684.3	680.4
57.5°	9235.2	8100.3	2876.5	818.6	751.4	794.0	813.4	760.5	706.2	679.1	675.2
60°	9901.4	8479.9	2619.6	756.6	710.1	761.7	799.2	756.6	711.4	704.9	706.2
62.5°	10190.6	8410.2	2126.4	710.1	683.0	746.3	814.7	783.7	759.2	774.7	783.7
65°	9741.3	7811.1	1564.8	675.2	657.2	750.1	850.8	826.3	759.2	769.5	773.4
67.5°	8494.1	6649.1	1131.0	640.4	624.9	761.7	902.5	819.8	715.3	715.3	707.5
70°	6121.1	4782.2	821.1	605.5	592.6	745.0	905.1	775.9	664.9	661.0	641.7
72.5°	3683.5	2821.0	640.4	566.8	543.5	661.0	848.2	724.3	615.9	583.6	560.3
75°	1913.4	1413.7	537.1	524.2	466.1	560.3	775.9	644.3	526.8	498.4	485.4
77.5°	819.8	661.0	460.9	467.4	387.3	471.2	626.2	557.8	467.4	431.2	419.6
80°	404.1	375.7	364.1	374.4	309.9	364.1	539.7	488.0	396.4	355.0	338.3
82.5°	231.1	219.5	262.1	266.0	220.8	304.7	455.8	413.1	327.9	282.7	255.6
85°	107.2	114.9	158.8	160.1	136.9	209.2	298.2	232.4	174.3	144.6	138.1
87.5°	42.6	50.4	69.7	68.4	40.0	38.7	25.8	14.2	11.6	10.3	9.0
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)