

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: P635427

Luminaire Tested: GWS-SA3D-760-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635427
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-SA3D-760-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17602.6 lumens
Efficiency: N/A
Efficacy: 145.7 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

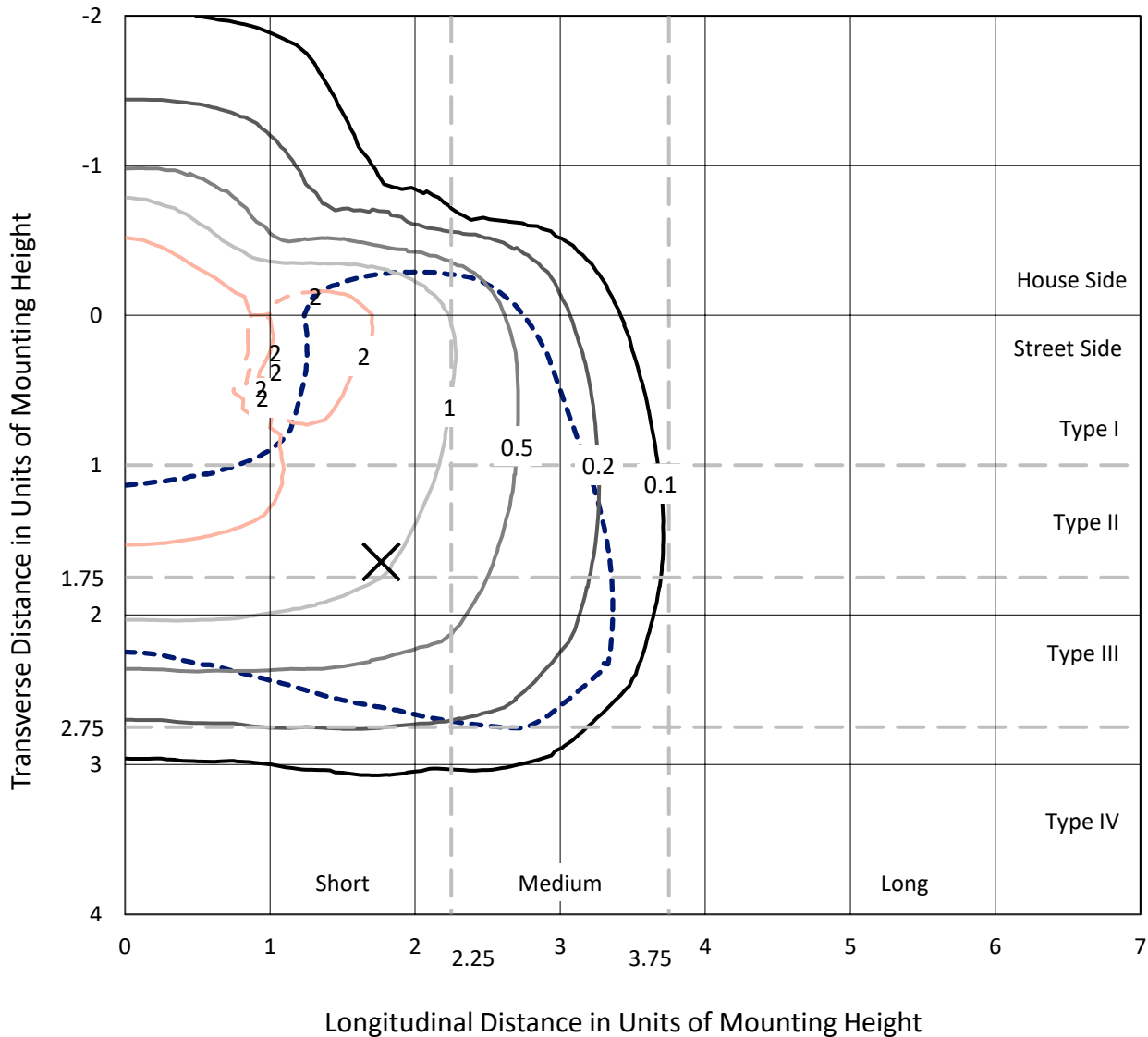
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

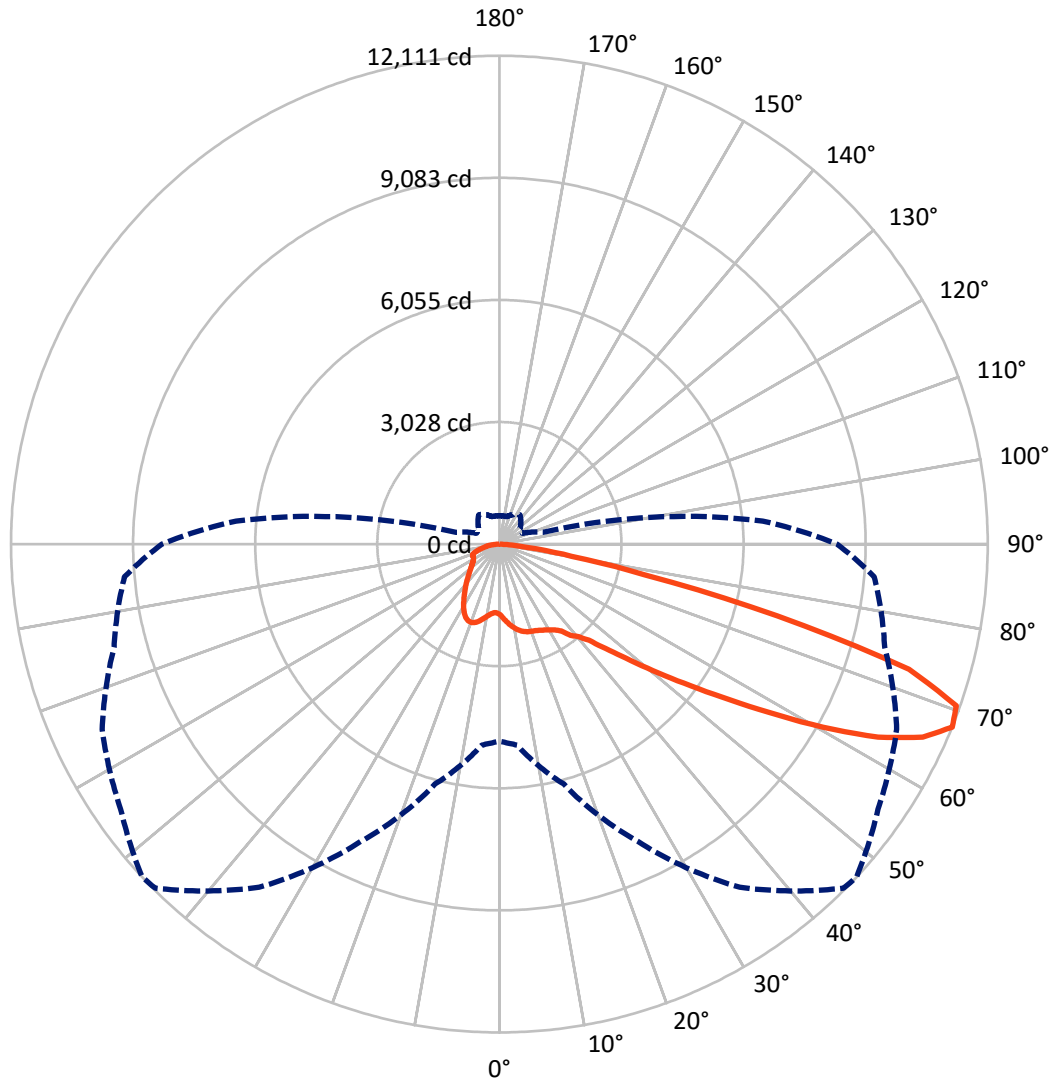
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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	4011.8	0.0	4011.8
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	13590.8	0.0	13590.8
	% Fixture	77.2	0.0	77.2
Total	Lumens	17602.6	0.0	17602.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.3	1.0
10°-20°	594.2	3.4
20°-30°	1009.9	5.7
30°-40°	1479.4	8.4
40°-50°	2254.1	12.8
50°-60°	4033.0	22.9
60°-70°	5381.6	30.6
70°-80°	2433.7	13.8
80°-90°	238.4	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°	17602.6	100.0
0°-180°	17602.6	100.0

Coefficient of Utilization



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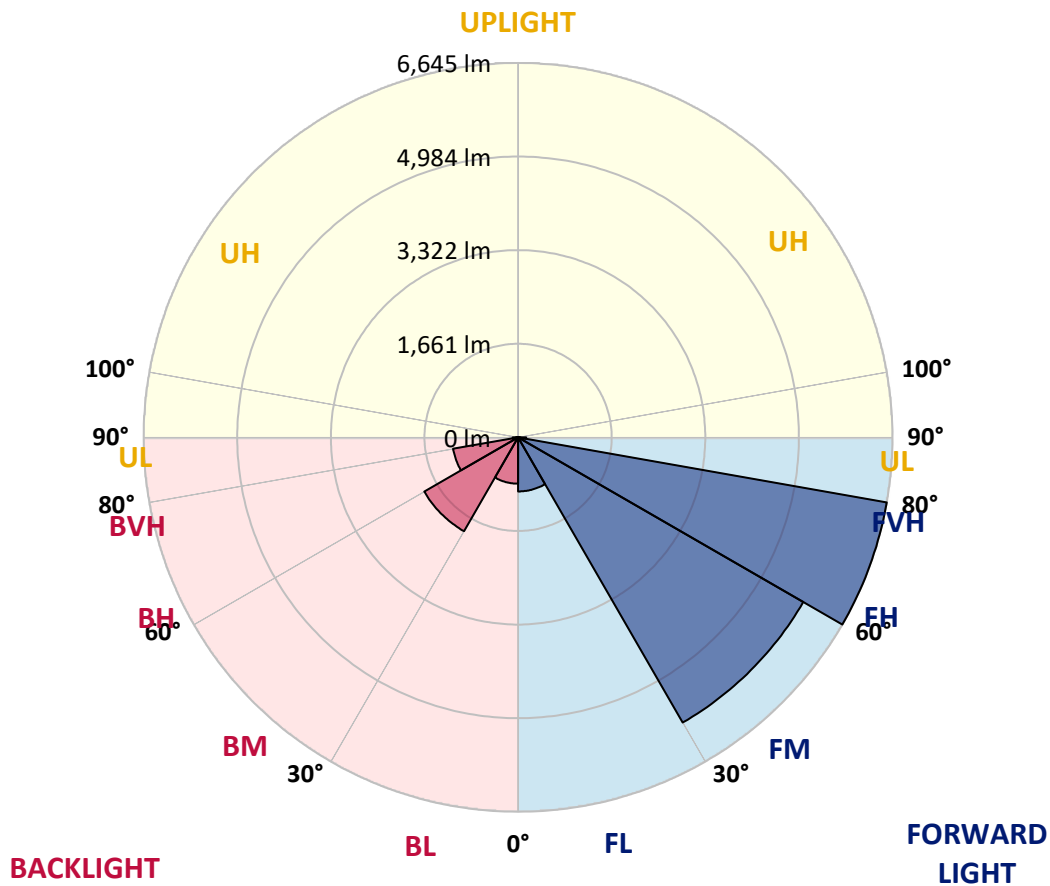
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	960.0	5.5			
FM (30°-60°)	5844.2	33.2			
FH (60°-80°)	6644.8	37.7			G3/7500
FVH (80°-90°)	141.8	0.8			G2/225
BL (0°-30°)	822.4	4.7	B2/1000		
BM (30°-60°)	1922.2	10.9	B2/2500		
BH (60°-80°)	1170.5	6.6	B3/2500		G3/2500
BVH (80°-90°)	96.6	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°	1745.0	1745.0	1745.0	1745.0	1745.0	1745.0	1745.0	1745.0	1745.0	1745.0	1745.0
2.5°	1860.8	1867.2	1865.9	1855.7	1849.3	1837.9	1839.2	1821.3	1794.6	1776.8	1756.4
5°	2025.0	2035.2	2022.4	2005.9	1980.4	1943.5	1939.7	1899.0	1848.1	1812.4	1775.5
7.5°	2167.5	2173.9	2158.6	2130.6	2093.7	2044.1	2035.2	1986.8	1923.2	1867.2	1813.7
10°	2278.3	2285.9	2265.5	2228.6	2180.3	2130.6	2124.3	2074.6	2007.2	1941.0	1873.5
12.5°	2372.5	2375.0	2353.4	2303.7	2251.5	2200.6	2194.3	2148.4	2086.1	2018.6	1944.8
15°	2427.2	2428.5	2401.7	2347.0	2297.4	2252.8	2249.0	2209.5	2152.3	2088.6	2009.7
17.5°	2423.4	2425.9	2406.8	2358.5	2315.2	2288.4	2284.6	2259.2	2214.6	2157.4	2078.4
20°	2376.3	2378.8	2366.1	2334.3	2311.4	2303.7	2305.0	2297.4	2270.6	2223.5	2143.4
22.5°	2339.4	2343.2	2331.7	2308.8	2306.3	2324.1	2327.9	2331.7	2319.0	2277.0	2199.4
25°	2357.2	2363.5	2345.7	2313.9	2319.0	2358.5	2366.1	2378.8	2368.6	2333.0	2265.5
27.5°	2480.6	2484.5	2438.6	2373.7	2358.5	2400.5	2411.9	2432.3	2424.6	2391.5	2339.4
30°	2767.0	2764.5	2666.5	2507.4	2443.7	2460.3	2469.2	2498.5	2501.0	2479.4	2429.7
32.5°	3170.5	3157.8	3006.3	2753.0	2568.5	2527.7	2537.9	2577.4	2606.6	2583.7	2516.3
35°	3596.9	3585.4	3418.7	3122.1	2798.8	2657.6	2646.1	2676.6	2721.2	2657.6	2560.8
37.5°	4002.9	3985.1	3814.5	3447.9	3082.7	2885.4	2868.8	2838.3	2811.6	2689.4	2615.6
40°	4453.4	4433.1	4284.2	3869.2	3395.8	3059.8	3017.7	2896.8	2872.7	2795.0	2758.1
42.5°	4934.5	4934.5	4811.1	4402.5	3773.8	3309.2	3254.5	3072.5	3097.9	3047.0	3003.7
45°	5415.7	5429.7	5331.7	4939.6	4279.1	3780.1	3692.3	3433.9	3495.0	3472.1	3450.5
47.5°	5825.5	5852.2	5833.1	5488.2	4897.6	4352.9	4219.2	3950.7	4081.8	4136.5	4197.6
50°	6267.1	6296.4	6277.3	6141.1	5621.8	5046.6	4926.9	4649.4	4874.7	5038.9	5238.7
52.5°	6922.6	6964.6	6805.5	6753.3	6501.3	5834.4	5727.5	5411.8	5820.4	6092.8	6538.2
55°	7476.3	7475.0	7419.0	7538.6	7445.7	6797.9	6679.5	6393.1	6915.0	7203.9	7855.6
57.5°	7733.4	7763.9	7956.1	8294.7	8480.5	7975.2	7861.9	7569.2	8089.8	8239.9	8943.8
60°	7865.8	7903.9	8275.6	8945.1	9445.3	9260.7	9216.2	8843.2	9136.0	9118.2	9861.5
62.5°	7679.9	7756.3	8353.2	9242.9	10133.8	10552.6	10538.6	9974.7	10025.6	9851.3	10430.4
65°	6827.2	6909.9	7846.7	9094.0	10527.1	11535.2	11539.0	10999.3	10709.1	10207.7	10334.9
67.5°	4882.4	5000.7	6159.0	8136.9	10388.4	12065.9	12110.5	11463.9	10869.5	9892.0	9332.0
70°	2661.4	2747.9	3655.4	5914.6	9138.5	11938.6	12021.4	11239.9	10161.8	8556.9	7183.5
72.5°	1209.1	1237.1	1700.4	3245.6	6243.0	10276.4	10622.6	10030.7	8345.6	6320.6	4568.0
75°	553.7	566.4	740.8	1552.8	3262.1	6876.8	7119.9	7471.2	5807.7	3991.4	2381.4
77.5°	347.5	351.3	421.3	710.2	1626.6	3432.7	3688.5	4448.3	3400.9	1975.3	995.3
80°	204.9	208.7	262.2	384.4	763.7	1570.6	1813.7	1759.0	1598.6	852.8	453.1
82.5°	103.1	106.9	151.5	218.9	416.2	624.9	735.7	739.5	595.7	462.0	255.8
85°	36.9	38.2	49.6	86.5	176.9	206.2	230.4	281.3	291.5	268.6	123.5
87.5°	0.0	0.0	1.3	2.5	5.1	20.4	21.6	40.7	85.3	95.5	49.6
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°	1745.0	1745.0	1745.0	1745.0	1745.0	1745.0	1745.0	1745.0	1745.0	1745.0	1745.0
2.5°	1750.1	1731.0	1724.6	1718.2	1708.1	1704.2	1696.6	1689.0	1689.0	1681.3	1677.5
5°	1759.0	1733.5	1717.0	1709.3	1703.0	1706.8	1706.8	1709.3	1718.2	1713.2	1715.7
7.5°	1790.8	1761.5	1738.6	1732.2	1732.2	1747.5	1757.7	1770.4	1787.0	1789.5	1789.5
10°	1846.8	1812.4	1788.2	1784.4	1790.8	1812.4	1827.7	1843.0	1863.3	1864.6	1867.2
12.5°	1907.9	1873.5	1849.3	1854.4	1860.8	1888.8	1905.3	1918.1	1938.4	1938.4	1937.2
15°	1971.5	1933.3	1913.0	1923.2	1942.3	1974.1	1976.6	1977.9	1988.1	1985.5	1984.3
17.5°	2037.7	1997.0	1981.7	1997.0	2017.3	2032.6	2019.9	2002.1	1998.3	1993.2	1990.6
20°	2102.6	2060.6	2054.3	2065.7	2072.1	2059.4	2019.9	1986.8	1971.5	1963.9	1961.3
22.5°	2158.6	2123.0	2119.2	2119.2	2087.4	2042.8	1984.3	1939.7	1919.3	1909.2	1906.6
25°	2224.8	2191.7	2185.4	2151.0	2069.5	1988.1	1909.2	1868.4	1851.9	1846.8	1848.1
27.5°	2302.5	2279.5	2259.2	2161.2	2018.6	1891.3	1802.2	1784.4	1778.1	1784.4	1788.2
30°	2397.9	2375.0	2329.2	2148.4	1937.2	1765.3	1680.1	1678.8	1697.9	1714.4	1717.0
32.5°	2475.5	2465.4	2390.3	2107.7	1822.6	1626.6	1554.1	1559.1	1593.5	1616.4	1620.2
35°	2536.6	2553.2	2441.2	2040.3	1686.4	1495.5	1438.2	1440.8	1459.9	1491.7	1493.0
37.5°	2623.2	2679.2	2487.0	1937.2	1529.9	1382.2	1330.1	1311.0	1308.4	1317.3	1319.9
40°	2797.6	2881.6	2520.1	1787.0	1378.4	1280.4	1221.9	1185.0	1153.1	1129.0	1121.3
42.5°	3061.0	3157.8	2539.2	1605.0	1243.5	1179.9	1113.7	1066.6	1010.6	959.7	941.9
45°	3544.7	3576.5	2539.2	1411.5	1123.9	1085.7	1019.5	963.5	892.2	832.4	819.7
47.5°	4318.5	4216.7	2541.7	1224.4	1018.2	1002.9	945.7	882.0	803.1	753.5	745.8
50°	5484.4	5126.7	2593.9	1069.1	930.4	932.9	890.9	820.9	749.7	712.8	706.4
52.5°	6805.5	6248.1	2733.9	954.6	856.6	875.7	852.8	785.3	721.7	689.8	683.5
55°	8047.8	7279.0	2853.6	873.1	794.2	827.3	826.0	763.7	706.4	674.6	670.8
57.5°	9104.2	7985.4	2835.7	806.9	740.8	782.8	801.8	749.7	696.2	669.5	665.7
60°	9760.9	8359.6	2582.5	745.8	700.0	750.9	787.8	745.8	701.3	694.9	696.2
62.5°	10046.0	8290.9	2096.3	700.0	673.3	735.7	803.1	772.6	748.4	763.7	772.6
65°	9603.1	7700.3	1542.6	665.7	647.8	739.5	838.8	814.6	748.4	758.6	762.4
67.5°	8373.6	6554.8	1115.0	631.3	616.0	750.9	889.7	808.2	705.1	705.1	697.5
70°	6034.2	4714.4	809.5	596.9	584.2	734.4	892.2	764.9	655.5	651.7	632.6
72.5°	3631.2	2781.0	631.3	558.7	535.8	651.7	836.2	714.0	607.1	575.3	552.4
75°	1886.3	1393.7	529.5	516.7	459.5	552.4	764.9	635.1	519.3	491.3	478.6
77.5°	808.2	651.7	454.4	460.7	381.8	464.6	617.3	549.8	460.7	425.1	413.7
80°	398.4	370.4	358.9	369.1	305.5	358.9	532.0	481.1	390.7	350.0	333.5
82.5°	227.8	216.4	258.4	262.2	217.6	300.4	449.3	407.3	323.3	278.7	252.0
85°	105.6	113.3	156.6	157.8	134.9	206.2	294.0	229.1	171.8	142.6	136.2
87.5°	42.0	49.6	68.7	67.5	39.5	38.2	25.5	14.0	11.5	10.2	8.9
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)