

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: P635372

Luminaire Tested: GWS-SA3D-750-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635372
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-750-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17847.2 lumens
Efficiency: N/A
Efficacy: 147.7 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

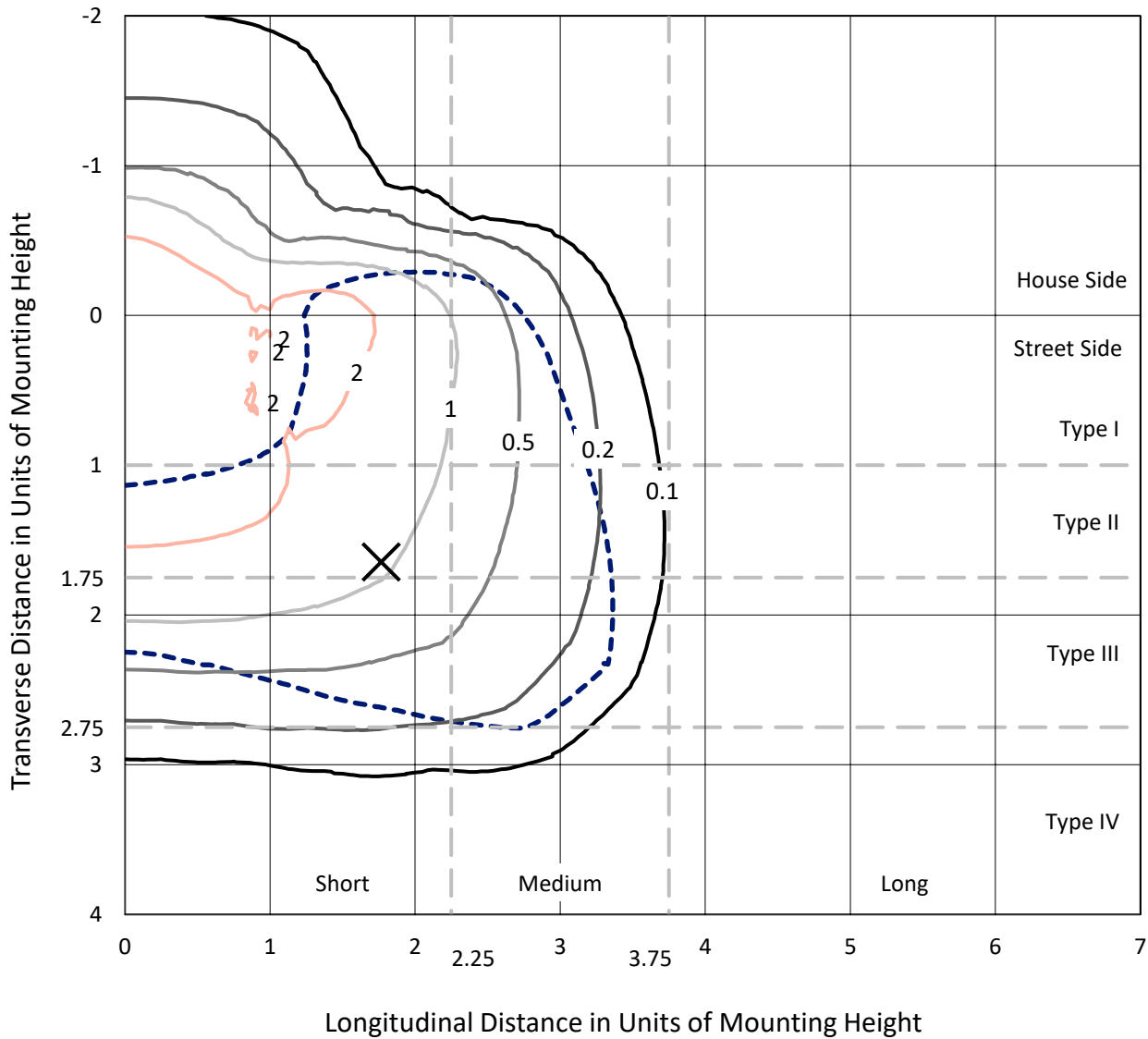
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

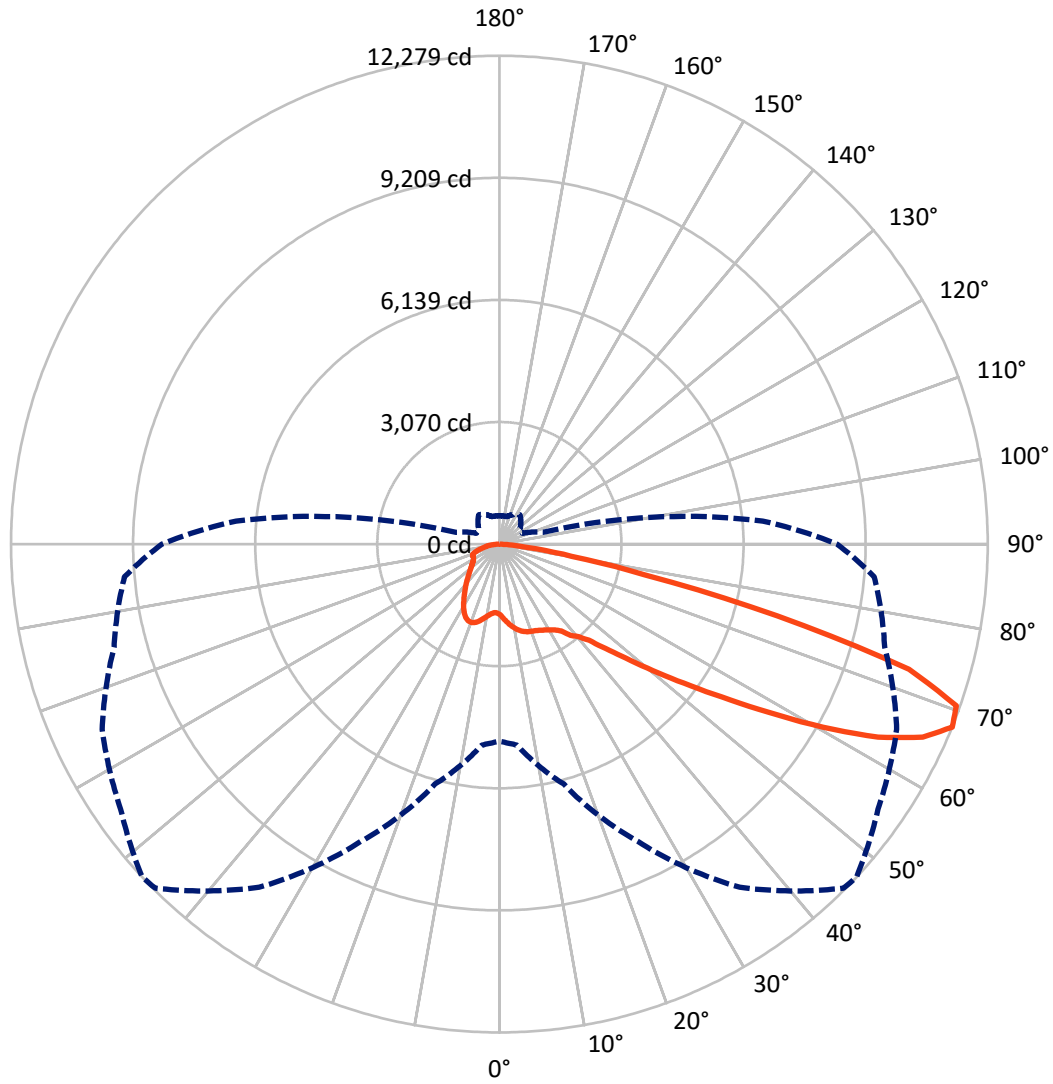
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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	4067.5	0.0	4067.5
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	13779.7	0.0	13779.7
	% Fixture	77.2	0.0	77.2
Total	Lumens	17847.2	0.0	17847.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.8	1.0
10°-20°	602.4	3.4
20°-30°	1023.9	5.7
30°-40°	1500.0	8.4
40°-50°	2285.4	12.8
50°-60°	4089.0	22.9
60°-70°	5456.4	30.6
70°-80°	2467.5	13.8
80°-90°	241.7	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°	17847.2	100.0
0°-180°	17847.2	100.0

Coefficient of Utilization



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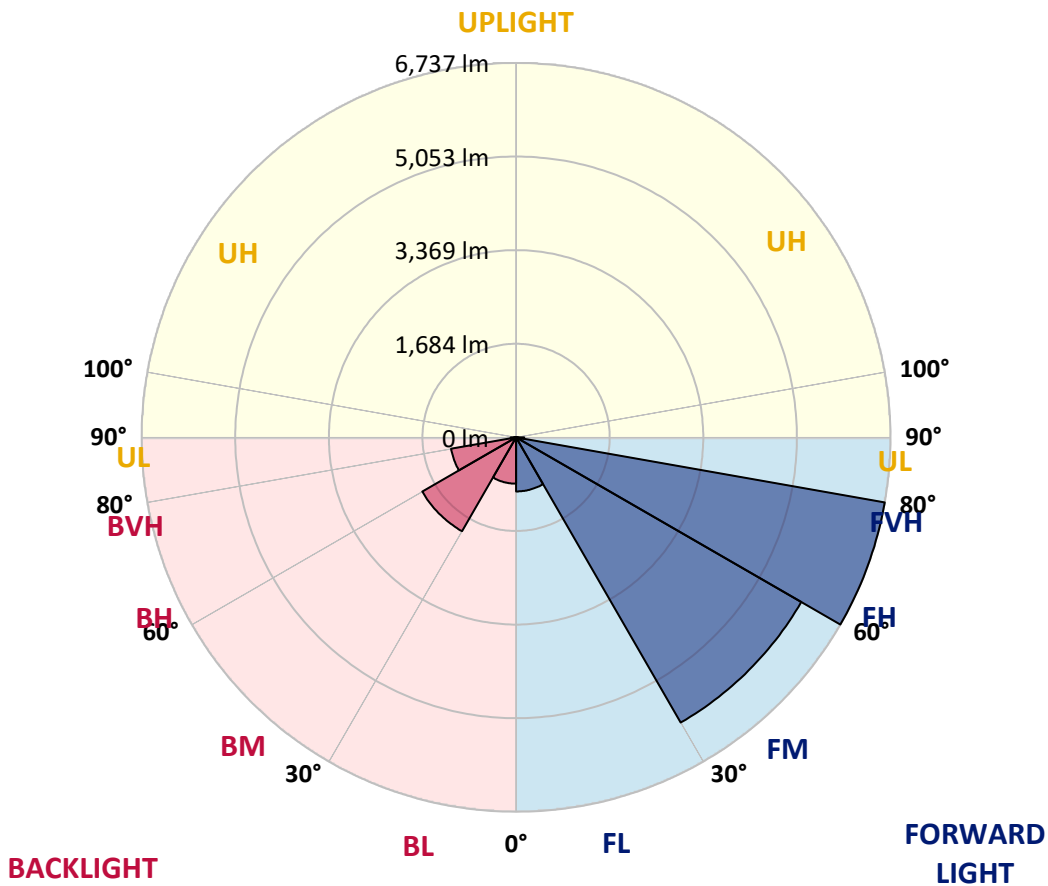
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	973.3	5.5			
FM (30°-60°)	5925.5	33.2			
FH (60°-80°)	6737.1	37.7			G3/7500
FVH (80°-90°)	143.8	0.8			G2/225
BL (0°-30°)	833.9	4.7	B2/1000		
BM (30°-60°)	1948.9	10.9	B2/2500		
BH (60°-80°)	1186.8	6.6	B3/2500		G3/2500
BVH (80°-90°)	97.9	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°	1769.2	1769.2	1769.2	1769.2	1769.2	1769.2	1769.2	1769.2	1769.2	1769.2	1769.2
2.5°	1886.7	1893.1	1891.8	1881.5	1875.0	1863.4	1864.7	1846.6	1819.6	1801.5	1780.8
5°	2053.1	2063.4	2050.5	2033.8	2008.0	1970.5	1966.7	1925.4	1873.7	1837.6	1800.2
7.5°	2197.7	2204.1	2188.6	2160.2	2122.8	2072.5	2063.4	2014.4	1949.9	1893.1	1838.9
10°	2309.9	2317.7	2297.0	2259.6	2210.6	2160.2	2153.8	2103.5	2035.1	1968.0	1899.6
12.5°	2405.4	2408.0	2386.1	2335.7	2282.8	2231.2	2224.8	2178.3	2115.1	2046.7	1971.8
15°	2460.9	2462.2	2435.1	2379.6	2329.3	2284.1	2280.2	2240.2	2182.2	2117.6	2037.6
17.5°	2457.0	2459.6	2440.3	2391.2	2347.3	2320.2	2316.4	2290.6	2245.4	2187.3	2107.3
20°	2409.3	2411.9	2399.0	2366.7	2343.5	2335.7	2337.0	2329.3	2302.2	2254.4	2173.1
22.5°	2371.9	2375.7	2364.1	2340.9	2338.3	2356.4	2360.3	2364.1	2351.2	2308.6	2229.9
25°	2389.9	2396.4	2378.3	2346.1	2351.2	2391.2	2399.0	2411.9	2401.5	2365.4	2297.0
27.5°	2515.1	2519.0	2472.5	2406.7	2391.2	2433.8	2445.4	2466.1	2458.3	2424.8	2371.9
30°	2805.5	2802.9	2703.5	2542.2	2477.7	2494.5	2503.5	2533.2	2535.8	2513.8	2463.5
32.5°	3214.5	3201.6	3048.1	2791.3	2604.2	2562.9	2573.2	2613.2	2642.9	2619.6	2551.2
35°	3646.8	3635.2	3466.2	3165.5	2837.7	2694.5	2682.9	2713.8	2759.0	2694.5	2596.4
37.5°	4058.5	4040.4	3867.5	3495.9	3125.5	2925.5	2908.7	2877.7	2850.6	2726.7	2651.9
40°	4515.3	4494.7	4343.7	3923.0	3443.0	3102.3	3059.7	2937.1	2912.6	2833.9	2796.4
42.5°	5003.1	5003.1	4877.9	4463.7	3826.2	3355.2	3299.7	3115.2	3141.0	3089.4	3045.5
45°	5490.9	5505.1	5405.7	5008.3	4338.5	3832.7	3743.6	3481.7	3543.6	3520.4	3498.4
47.5°	5906.4	5933.5	5914.2	5564.5	4965.7	4413.4	4277.9	4005.6	4138.5	4194.0	4255.9
50°	6354.2	6383.9	6364.6	6226.5	5700.0	5116.7	4995.4	4714.1	4942.5	5108.9	5311.5
52.5°	7018.8	7061.4	6900.1	6847.2	6591.7	5915.5	5807.1	5487.0	5901.3	6177.4	6629.1
55°	7580.2	7578.9	7522.1	7643.4	7549.2	6892.4	6772.3	6482.0	7011.1	7304.0	7964.7
57.5°	7840.8	7871.8	8066.7	8409.9	8598.3	8086.0	7971.2	7674.4	8202.2	8354.4	9068.1
60°	7975.1	8013.8	8390.6	9069.4	9576.5	9389.4	9344.2	8966.1	9262.9	9244.9	9998.5
62.5°	7786.6	7864.1	8469.3	9371.3	10274.7	10699.2	10685.0	10113.3	10165.0	9988.2	10575.3
65°	6922.0	7005.9	7955.7	9220.3	10673.4	11695.4	11699.3	11152.2	10857.9	10349.5	10478.5
67.5°	4950.2	5070.2	6244.5	8249.9	10532.7	12233.6	12278.7	11623.2	11020.5	10029.5	9461.7
70°	2698.4	2786.1	3706.2	5996.8	9265.5	12104.5	12188.4	11396.1	10303.0	8675.8	7283.4
72.5°	1225.9	1254.3	1724.1	3290.7	6329.7	10419.2	10770.2	10170.1	8461.6	6408.4	4631.5
75°	561.4	574.3	751.0	1574.4	3307.5	6972.4	7218.8	7575.0	5888.4	4046.9	2414.5
77.5°	352.3	356.2	427.1	720.1	1649.2	3480.4	3739.8	4510.2	3448.1	2002.8	1009.1
80°	207.8	211.6	265.8	389.7	774.3	1592.4	1838.9	1783.4	1620.8	864.6	459.4
82.5°	104.5	108.4	153.6	222.0	422.0	633.6	745.9	749.8	603.9	468.4	259.4
85°	37.4	38.7	50.3	87.8	179.4	209.1	233.6	285.2	295.5	272.3	125.2
87.5°	0.0	0.0	1.3	2.6	5.2	20.6	21.9	41.3	86.5	96.8	50.3
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°	1769.2	1769.2	1769.2	1769.2	1769.2	1769.2	1769.2	1769.2	1769.2	1769.2	1769.2
2.5°	1774.4	1755.0	1748.6	1742.1	1731.8	1727.9	1720.2	1712.4	1712.4	1704.7	1700.8
5°	1783.4	1757.6	1740.8	1733.1	1726.6	1730.5	1730.5	1733.1	1742.1	1737.0	1739.5
7.5°	1815.7	1786.0	1762.8	1756.3	1756.3	1771.8	1782.1	1795.0	1811.8	1814.4	1814.4
10°	1872.5	1837.6	1813.1	1809.2	1815.7	1837.6	1853.1	1868.6	1889.2	1890.5	1893.1
12.5°	1934.4	1899.6	1875.0	1880.2	1886.7	1915.0	1931.8	1944.7	1965.4	1965.4	1964.1
15°	1998.9	1960.2	1939.6	1949.9	1969.2	2001.5	2004.1	2005.4	2015.7	2013.1	2011.8
17.5°	2066.0	2024.7	2009.2	2024.7	2045.4	2060.9	2048.0	2029.9	2026.0	2020.9	2018.3
20°	2131.8	2089.3	2082.8	2094.4	2100.9	2088.0	2048.0	2014.4	1998.9	1991.2	1988.6
22.5°	2188.6	2152.5	2148.6	2148.6	2116.4	2071.2	2011.8	1966.7	1946.0	1935.7	1933.1
25°	2255.7	2222.2	2215.7	2180.9	2098.3	2015.7	1935.7	1894.4	1877.6	1872.5	1873.7
27.5°	2334.4	2311.2	2290.6	2191.2	2046.7	1917.6	1827.3	1809.2	1802.8	1809.2	1813.1
30°	2431.2	2408.0	2361.5	2178.3	1964.1	1789.9	1703.4	1702.1	1721.5	1738.3	1740.8
32.5°	2509.9	2499.6	2423.5	2137.0	1847.9	1649.2	1575.7	1580.8	1615.7	1638.9	1642.8
35°	2571.9	2588.7	2475.1	2068.6	1709.9	1516.3	1458.2	1460.8	1480.2	1512.4	1513.7
37.5°	2659.6	2716.4	2521.6	1964.1	1551.1	1401.4	1348.5	1329.2	1326.6	1335.6	1338.2
40°	2836.4	2921.6	2555.1	1811.8	1397.6	1298.2	1238.8	1201.4	1169.2	1144.6	1136.9
42.5°	3103.6	3201.6	2574.5	1627.3	1260.8	1196.3	1129.2	1081.4	1024.6	973.0	954.9
45°	3593.9	3626.2	2574.5	1431.1	1139.5	1100.8	1033.7	976.9	904.6	844.0	831.1
47.5°	4378.5	4275.3	2577.1	1241.4	1032.4	1016.9	958.8	894.3	814.3	764.0	756.2
50°	5560.6	5198.0	2630.0	1084.0	943.3	945.9	903.3	832.3	760.1	722.7	716.2
52.5°	6900.1	6334.9	2771.9	967.8	868.5	887.8	864.6	796.2	731.7	699.4	693.0
55°	8159.6	7380.1	2893.2	885.3	805.2	838.8	837.5	774.3	716.2	683.9	680.1
57.5°	9230.7	8096.4	2875.1	818.2	751.0	793.6	813.0	760.1	705.9	678.8	674.9
60°	9896.5	8475.7	2618.3	756.2	709.8	761.4	798.8	756.2	711.0	704.6	705.9
62.5°	10185.6	8406.1	2125.4	709.8	682.7	745.9	814.3	783.3	758.8	774.3	783.3
65°	9736.5	7807.3	1564.0	674.9	656.8	749.8	850.4	825.9	758.8	769.1	773.0
67.5°	8489.9	6645.9	1130.4	640.1	624.6	761.4	902.0	819.4	714.9	714.9	707.2
70°	6118.1	4779.9	820.7	605.2	592.3	744.6	904.6	775.6	664.6	660.7	641.4
72.5°	3681.7	2819.7	640.1	566.5	543.3	660.7	847.8	723.9	615.5	583.3	560.1
75°	1912.5	1413.1	536.8	523.9	465.9	560.1	775.6	643.9	526.5	498.1	485.2
77.5°	819.4	660.7	460.7	467.1	387.1	471.0	625.9	557.5	467.1	431.0	419.4
80°	403.9	375.5	363.9	374.2	309.7	363.9	539.4	487.8	396.2	354.9	338.1
82.5°	231.0	219.4	262.0	265.8	220.7	304.5	455.5	412.9	327.8	282.6	255.5
85°	107.1	114.9	158.7	160.0	136.8	209.1	298.1	232.3	174.2	144.5	138.1
87.5°	42.6	50.3	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)