

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: P635260

Luminaire Tested: GWS-SA3D-735-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635260
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-735-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16765.3 lumens
Efficiency: N/A
Efficacy: 138.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

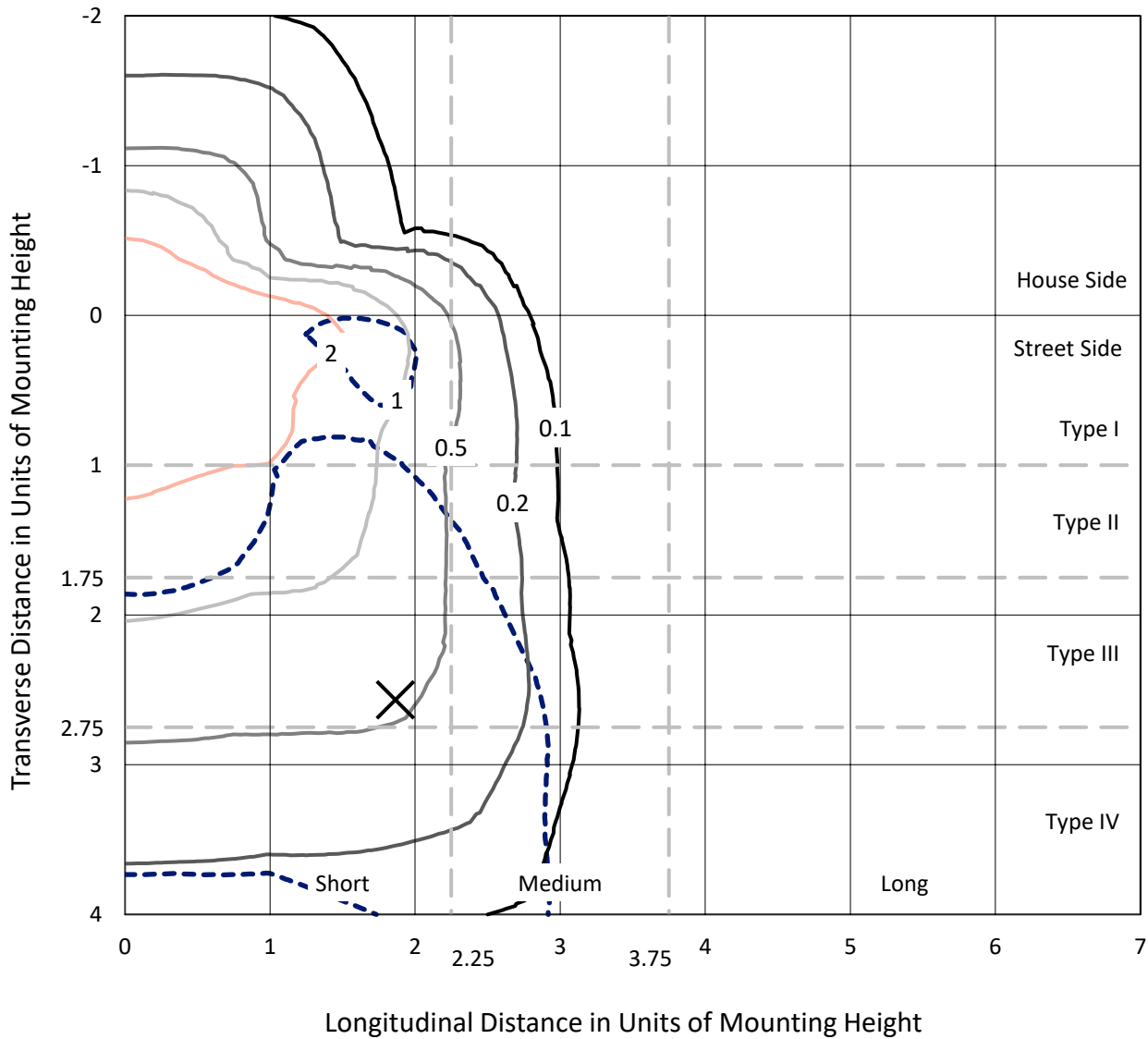
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

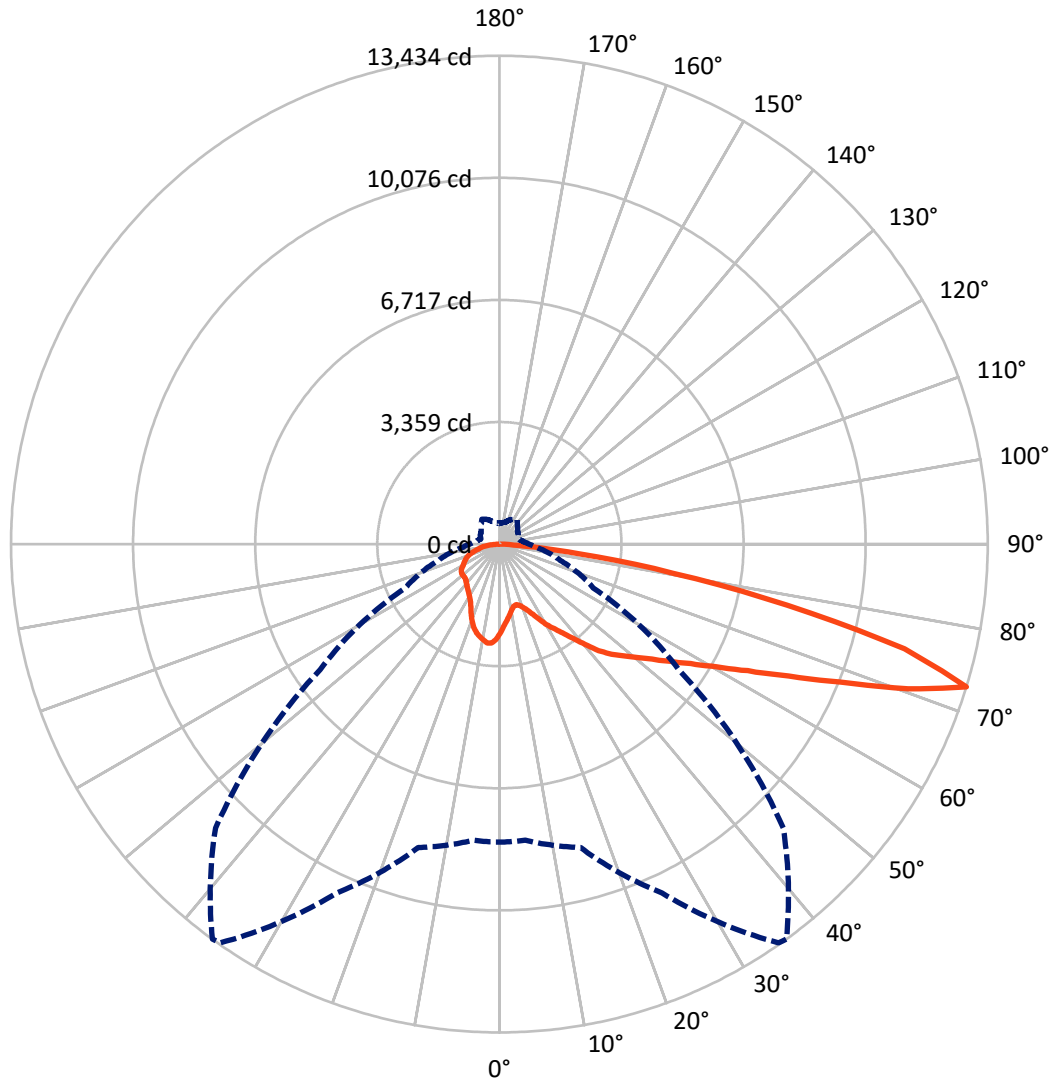
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3865.1	0.0	3865.1
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	12900.2	0.0	12900.2
	% Fixture	76.9	0.0	76.9
Total	Lumens	16765.3	0.0	16765.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.3	1.4
10°-20°	647.1	3.9
20°-30°	1071.7	6.4
30°-40°	1604.9	9.6
40°-50°	2341.4	14.0
50°-60°	3332.6	19.9
60°-70°	4210.5	25.1
70°-80°	3000.3	17.9
80°-90°	327.5	2.0
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°	16765.3	100.0
0°-180°	16765.3	100.0

Coefficient of Utilization

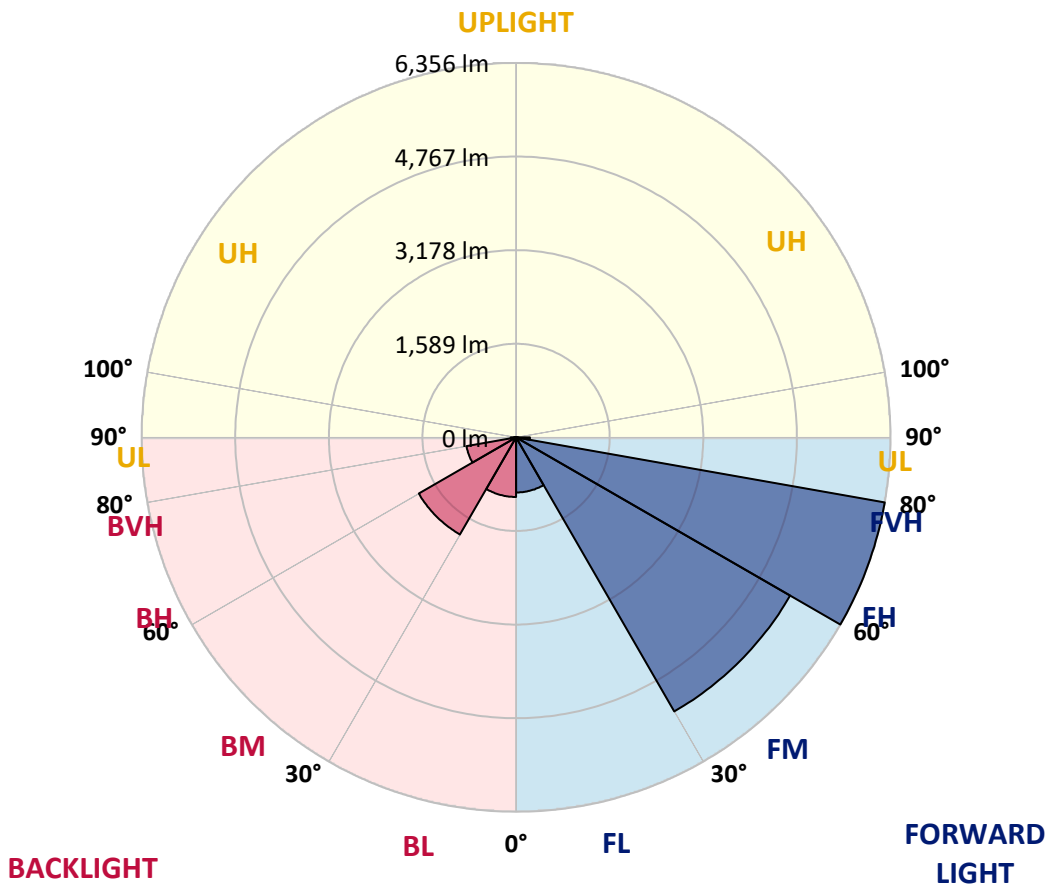


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	936.0	5.6			
FM (30°-60°)	5372.9	32.0			
FH (60°-80°)	6356.3	37.9			G3/7500
FVH (80°-90°)	235.1	1.4			G3/500
BL (0°-30°)	1012.2	6.0	B3/2500		
BM (30°-60°)	1906.1	11.4	B2/2500		
BH (60°-80°)	854.5	5.1	B2/1000		G2/1000
BVH (80°-90°)	92.4	0.6			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	2453.7	2453.7	2453.7	2453.7	2453.7	2453.7	2453.7	2453.7	2453.7	2453.7	2453.7
2.5°	2238.4	2234.7	2227.2	2249.6	2272.0	2269.5	2300.6	2330.5	2362.8	2396.4	2441.2
5°	2059.2	2056.8	2050.5	2084.1	2117.7	2116.5	2167.5	2216.0	2282.0	2354.1	2443.7
7.5°	1880.1	1873.9	1882.6	1924.9	1972.1	1977.1	2046.8	2126.4	2222.2	2330.5	2457.4
10°	1722.1	1720.8	1724.5	1771.8	1842.7	1847.7	1937.3	2048.0	2175.0	2319.3	2488.5
12.5°	1681.0	1678.5	1668.5	1692.2	1745.7	1753.2	1851.5	1987.1	2142.6	2325.5	2530.8
15°	1748.2	1742.0	1707.1	1695.9	1722.1	1728.3	1811.6	1951.0	2123.9	2336.7	2584.3
17.5°	1863.9	1860.2	1794.2	1748.2	1765.6	1770.6	1832.8	1944.8	2119.0	2359.1	2650.3
20°	2033.1	2016.9	1913.7	1844.0	1844.0	1851.5	1888.8	1972.1	2125.2	2386.5	2724.9
22.5°	2257.1	2224.7	2079.2	1984.6	1959.7	1969.7	1985.8	2040.6	2151.3	2432.5	2818.2
25°	2508.4	2478.6	2305.6	2172.5	2137.6	2141.4	2127.7	2137.6	2208.6	2496.0	2934.0
27.5°	2775.9	2756.0	2571.9	2402.7	2347.9	2347.9	2299.4	2275.7	2288.2	2568.1	3063.4
30°	3014.8	2987.5	2831.9	2646.5	2574.4	2574.4	2482.3	2431.3	2401.4	2656.5	3236.3
32.5°	3140.5	3124.3	3021.1	2879.2	2790.9	2777.2	2697.6	2637.8	2568.1	2787.1	3470.2
35°	3304.7	3301.0	3238.8	3128.1	3016.1	2996.2	2941.4	2894.1	2773.5	2950.1	3781.3
37.5°	3511.3	3505.1	3495.1	3429.2	3294.8	3291.1	3242.5	3185.3	3028.5	3185.3	4158.3
40°	3742.7	3731.5	3719.1	3717.8	3637.0	3623.3	3619.5	3554.8	3335.9	3469.0	4551.5
42.5°	4061.3	4022.7	3905.7	3958.0	4017.7	4005.3	4052.5	3955.5	3719.1	3806.2	4923.5
45°	4453.2	4358.6	4127.2	4142.1	4292.7	4317.6	4481.8	4458.2	4140.9	4195.6	5315.5
47.5°	4688.4	4606.2	4391.0	4378.5	4566.4	4597.5	4954.6	4999.4	4595.0	4664.7	5799.5
50°	4881.2	4824.0	4647.3	4664.7	4863.8	4894.9	5423.7	5519.5	5023.1	5145.0	6361.9
52.5°	5113.9	5031.8	4894.9	4977.0	5220.9	5258.2	5945.1	6048.3	5408.8	5672.6	6944.2
55°	5244.5	5211.0	5213.4	5339.1	5645.2	5696.2	6491.3	6473.9	5762.2	6124.2	7382.2
57.5°	5545.7	5533.2	5647.7	5695.0	6140.4	6206.4	7037.5	6888.2	6083.2	6473.9	7592.5
60°	6077.0	6045.8	6145.4	6217.6	6752.6	6845.9	7647.2	7293.8	6300.9	6733.9	7521.5
62.5°	6823.5	6784.9	6788.7	6903.1	7572.6	7670.9	8325.3	7632.3	6368.1	6773.7	7072.4
65°	7751.7	7695.7	7632.3	7787.8	8661.3	8743.4	9063.2	7878.6	6207.6	6390.5	6134.2
67.5°	8731.0	8684.9	8610.3	8936.3	10071.0	10120.8	9890.6	7857.5	5698.7	5365.2	4302.6
70°	8788.2	8799.4	9152.8	10332.3	11911.3	11923.7	10673.2	7432.0	4615.0	3477.7	2143.9
72.5°	8198.4	8179.8	8640.1	10587.4	13391.9	13434.3	11042.8	6021.0	2851.8	1734.5	1005.4
75°	6659.3	6691.6	7175.6	9263.5	11478.3	11515.6	9002.2	3549.9	1355.0	848.6	643.3
77.5°	2866.8	3047.2	4001.5	6526.1	8220.8	8105.1	4639.8	1438.4	722.9	604.7	492.7
80°	827.4	898.4	1425.9	3103.2	4926.0	4838.9	1836.5	538.8	503.9	454.2	353.4
82.5°	267.5	296.1	522.6	1235.5	2207.3	2204.8	696.8	318.5	329.7	308.6	227.7
85°	74.7	85.9	160.5	374.5	683.1	669.4	201.6	150.6	175.4	177.9	113.2
87.5°	0.0	0.0	1.2	2.5	2.5	2.5	5.0	22.4	51.0	64.7	46.0
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°	2453.7	2453.7	2453.7	2453.7	2453.7	2453.7	2453.7	2453.7	2453.7	2453.7	2453.7
2.5°	2468.6	2464.9	2515.9	2555.7	2593.0	2617.9	2625.4	2630.4	2640.3	2645.3	2640.3
5°	2486.0	2504.7	2589.3	2651.5	2701.3	2731.1	2732.4	2729.9	2737.4	2731.1	2727.4
7.5°	2523.4	2559.4	2666.4	2732.4	2764.7	2766.0	2736.1	2701.3	2683.9	2668.9	2664.0
10°	2573.1	2626.6	2743.6	2787.1	2777.2	2731.1	2665.2	2610.5	2579.3	2557.0	2552.0
12.5°	2641.6	2701.3	2812.0	2810.8	2748.6	2666.4	2589.3	2523.4	2478.6	2452.4	2443.7
15°	2706.3	2782.2	2861.8	2803.3	2705.0	2605.5	2505.9	2417.6	2357.9	2316.8	2309.3
17.5°	2785.9	2866.8	2897.9	2779.7	2650.3	2522.1	2389.0	2273.3	2192.4	2143.9	2140.1
20°	2878.0	2950.1	2915.3	2738.6	2579.3	2411.4	2231.0	2101.6	2014.5	1967.2	1970.9
22.5°	2985.0	3037.2	2920.3	2682.6	2481.1	2254.6	2053.0	1928.6	1870.1	1845.2	1846.5
25°	3099.4	3133.0	2911.6	2606.7	2330.5	2063.0	1870.1	1812.9	1807.9	1801.7	1804.2
27.5°	3235.1	3227.6	2885.4	2499.7	2127.7	1840.3	1742.0	1756.9	1776.8	1774.3	1776.8
30°	3416.7	3345.8	2851.8	2351.6	1886.3	1653.6	1666.1	1708.4	1734.5	1737.0	1744.4
32.5°	3624.5	3476.5	2798.3	2150.1	1656.1	1549.1	1595.1	1646.2	1677.3	1683.5	1693.4
35°	3872.1	3625.8	2703.8	1898.7	1490.6	1486.9	1529.2	1564.0	1597.6	1600.1	1600.1
37.5°	4157.1	3775.1	2553.2	1621.3	1388.6	1433.4	1473.2	1480.7	1489.4	1481.9	1485.6
40°	4418.4	3919.4	2339.2	1368.7	1305.2	1386.1	1419.7	1394.8	1367.4	1348.8	1352.5
42.5°	4637.3	4017.7	2055.5	1192.0	1220.6	1343.8	1369.9	1318.9	1265.4	1230.6	1235.5
45°	4883.7	4108.5	1722.1	1072.6	1148.5	1313.9	1331.4	1265.4	1197.0	1144.7	1137.3
47.5°	5223.4	4293.9	1425.9	989.2	1097.4	1297.8	1326.4	1236.8	1147.2	1068.8	1060.1
50°	5642.7	4556.5	1178.3	934.4	1073.8	1289.1	1325.1	1205.7	1098.7	1006.6	1000.4
52.5°	6100.6	4812.8	995.4	892.1	1050.2	1262.9	1318.9	1170.8	1047.7	948.1	940.7
55°	6405.4	4913.6	872.2	852.3	1011.6	1221.9	1294.0	1137.3	970.5	879.7	868.5
57.5°	6495.0	4784.2	786.4	816.2	961.8	1164.6	1246.7	1066.3	923.2	851.1	842.4
60°	6340.7	4458.2	732.9	786.4	907.1	1091.2	1164.6	1025.3	885.9	821.2	815.0
62.5°	5905.2	3955.5	691.8	755.3	851.1	1014.1	1112.4	975.5	844.9	793.8	785.1
65°	5029.3	3243.8	658.2	722.9	797.6	940.7	1055.1	925.7	800.1	761.5	751.5
67.5°	3517.5	2278.2	622.1	684.3	744.1	869.7	995.4	879.7	754.0	725.4	715.4
70°	1719.6	1208.2	578.6	639.5	686.8	797.6	935.7	823.7	693.1	676.9	663.2
72.5°	818.7	675.6	527.6	578.6	608.4	701.8	836.1	742.8	620.9	586.0	562.4
75°	548.7	480.3	460.4	506.4	513.9	588.5	716.7	640.8	547.5	507.7	487.7
77.5°	415.6	367.1	387.0	428.0	413.1	484.0	589.8	571.1	494.0	457.9	447.9
80°	292.4	267.5	307.3	332.2	321.0	411.8	531.3	489.0	406.9	367.1	359.6
82.5°	184.2	179.2	226.5	230.2	233.9	326.0	436.7	384.5	316.0	260.0	241.4
85°	92.1	102.0	135.6	135.6	134.4	168.0	248.9	216.5	170.5	135.6	131.9
87.5°	31.1	43.5	58.5	47.3	36.1	28.6	32.4	39.8	42.3	41.1	41.1
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)