

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: P635425

Luminaire Tested: GWS-SA3D-760-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635425
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-760-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17149.5 lumens
Efficiency: N/A
Efficacy: 142.0 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

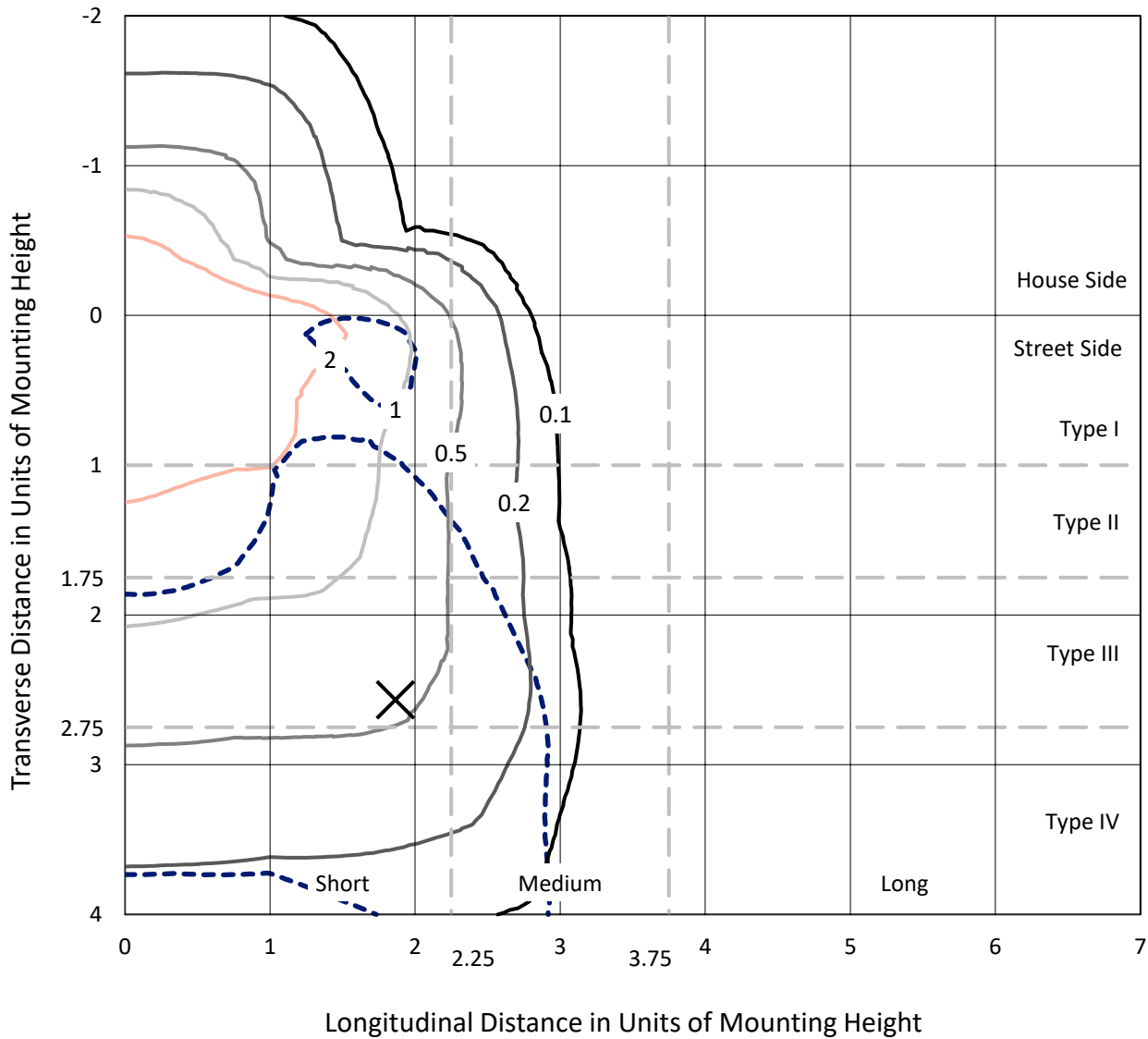
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

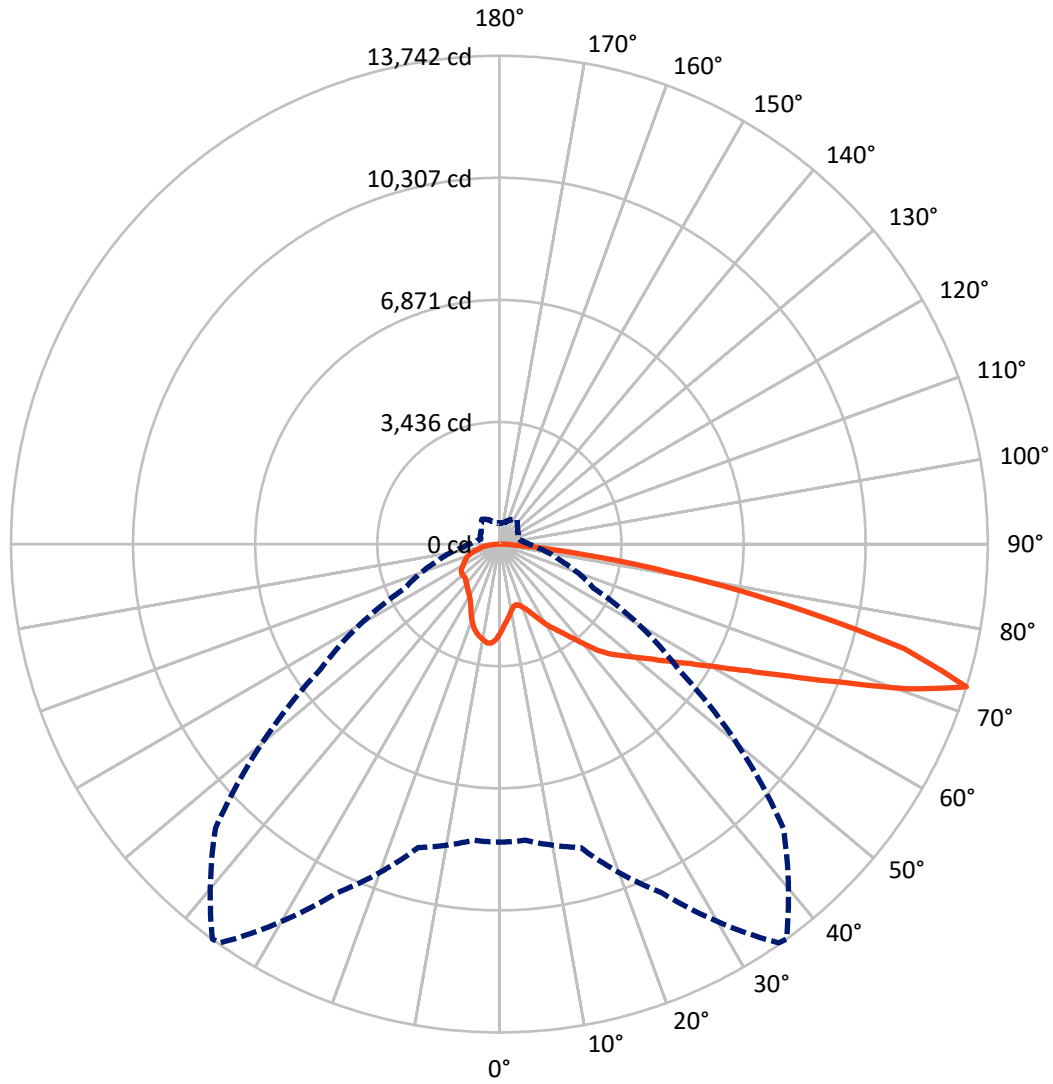
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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	3953.7	0.0	3953.7
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	13195.8	0.0	13195.8
	% Fixture	76.9	0.0	76.9
Total	Lumens	17149.5	0.0	17149.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.6	1.4
10°-20°	661.9	3.9
20°-30°	1096.2	6.4
30°-40°	1641.7	9.6
40°-50°	2395.1	14.0
50°-60°	3408.9	19.9
60°-70°	4306.9	25.1
70°-80°	3069.1	17.9
80°-90°	335.0	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°	17149.5	100.0
0°-180°	17149.5	100.0

Coefficient of Utilization



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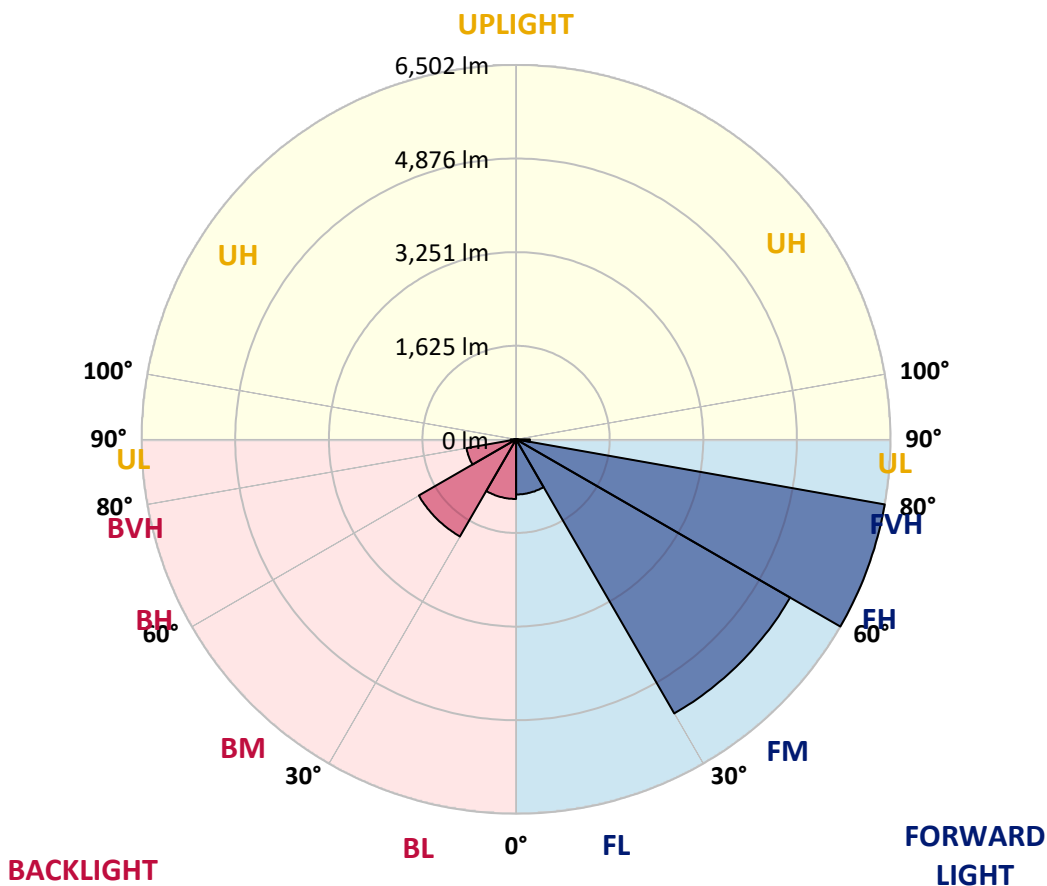
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	957.4	5.6			
FM (30°-60°)	5496.0	32.0			
FH (60°-80°)	6501.9	37.9			G3/7500
FVH (80°-90°)	240.5	1.4			G3/500
BL (0°-30°)	1035.3	6.0	B3/2500		
BM (30°-60°)	1949.7	11.4	B2/2500		
BH (60°-80°)	874.1	5.1	B2/1000		G2/1000
BVH (80°-90°)	94.6	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°	2509.9	2509.9	2509.9	2509.9	2509.9	2509.9	2509.9	2509.9	2509.9	2509.9	2509.9
2.5°	2289.7	2285.9	2278.3	2301.2	2324.1	2321.5	2353.4	2383.9	2417.0	2451.4	2497.2
5°	2106.4	2103.9	2097.5	2131.9	2166.3	2165.0	2217.2	2266.8	2334.3	2408.1	2499.7
7.5°	1923.2	1916.8	1925.7	1969.0	2017.3	2022.4	2093.7	2175.2	2273.2	2383.9	2513.7
10°	1761.5	1760.2	1764.1	1812.4	1885.0	1890.1	1981.7	2095.0	2224.8	2372.4	2545.5
12.5°	1719.5	1717.0	1706.8	1731.0	1785.7	1793.3	1893.9	2032.6	2191.7	2378.8	2588.8
15°	1788.2	1781.9	1746.2	1734.8	1761.5	1767.9	1853.2	1995.7	2172.6	2390.3	2643.5
17.5°	1906.6	1902.8	1835.3	1788.2	1806.1	1811.2	1874.8	1989.3	2167.5	2413.2	2711.0
20°	2079.7	2063.2	1957.5	1886.2	1886.2	1893.9	1932.1	2017.3	2173.9	2441.2	2787.4
22.5°	2308.8	2275.7	2126.8	2030.1	2004.6	2014.8	2031.3	2087.3	2200.6	2488.3	2882.8
25°	2565.9	2535.4	2358.4	2222.3	2186.6	2190.4	2176.4	2186.6	2259.2	2553.2	3001.2
27.5°	2839.6	2819.2	2630.8	2457.7	2401.7	2401.7	2352.1	2327.9	2340.6	2627.0	3133.6
30°	3083.9	3055.9	2896.8	2707.2	2633.4	2633.4	2539.2	2487.0	2456.4	2717.4	3310.5
32.5°	3212.5	3195.9	3090.3	2945.2	2854.8	2840.8	2759.4	2698.3	2627.0	2851.0	3549.8
35°	3380.5	3376.7	3313.0	3199.7	3085.2	3064.8	3008.8	2960.5	2837.0	3017.7	3868.0
37.5°	3591.8	3585.4	3575.2	3507.8	3370.3	3366.5	3316.8	3258.3	3097.9	3258.3	4253.6
40°	3828.5	3817.0	3804.3	3803.0	3720.3	3706.3	3702.5	3636.3	3412.3	3548.5	4655.8
42.5°	4154.3	4114.9	3995.2	4048.7	4109.8	4097.1	4145.4	4046.1	3804.3	3893.4	5036.4
45°	4555.3	4458.5	4221.8	4237.1	4391.1	4416.5	4584.5	4560.3	4235.8	4291.8	5437.3
47.5°	4795.8	4711.8	4491.6	4478.9	4671.1	4702.9	5068.2	5114.0	4700.3	4771.6	5932.4
50°	4993.1	4934.5	4753.8	4771.6	4975.3	5007.1	5548.0	5646.0	5138.2	5262.9	6507.7
52.5°	5231.1	5147.1	5007.1	5091.1	5340.6	5378.7	6081.3	6186.9	5532.7	5802.6	7103.3
55°	5364.7	5330.4	5332.9	5461.5	5774.6	5826.7	6640.1	6622.2	5894.2	6264.6	7551.4
57.5°	5672.7	5660.0	5777.1	5825.5	6281.1	6348.6	7198.8	7046.1	6222.6	6622.2	7766.5
60°	6216.2	6184.4	6286.2	6360.0	6907.3	7002.8	7822.5	7461.0	6445.3	6888.2	7693.9
62.5°	6979.9	6940.4	6944.2	7061.3	7746.1	7846.6	8516.1	7807.2	6514.0	6929.0	7234.4
65°	7929.4	7872.1	7807.2	7966.3	8859.8	8943.8	9270.9	8059.2	6349.9	6537.0	6274.8
67.5°	8931.0	8883.9	8807.6	9141.0	10301.8	10352.7	10117.3	8037.6	5829.3	5488.2	4401.2
70°	8989.6	9001.0	9362.5	10569.1	12184.2	12197.0	10917.8	7602.3	4720.7	3557.4	2193.0
72.5°	8386.3	8367.2	8838.1	10830.0	13698.8	13742.1	11295.9	6158.9	2917.2	1774.2	1028.4
75°	6811.9	6845.0	7340.1	9475.8	11741.3	11779.5	9208.5	3631.2	1386.0	868.0	658.0
77.5°	2932.5	3117.0	4093.2	6675.7	8409.2	8290.8	4746.2	1471.3	739.5	618.6	504.0
80°	846.4	918.9	1458.6	3174.3	5038.9	4949.8	1878.6	551.1	515.5	464.6	361.5
82.5°	273.6	302.9	534.6	1263.9	2257.9	2255.4	712.8	325.8	337.3	315.6	232.9
85°	76.4	87.8	164.2	383.1	698.8	684.8	206.2	154.0	179.5	182.0	115.8
87.5°	0.0	0.0	1.3	2.5	2.5	2.5	5.1	22.9	52.2	66.2	47.1
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°	2509.9	2509.9	2509.9	2509.9	2509.9	2509.9	2509.9	2509.9	2509.9	2509.9	2509.9
2.5°	2525.2	2521.4	2573.5	2614.3	2652.5	2677.9	2685.5	2690.6	2700.8	2705.9	2700.8
5°	2543.0	2562.1	2648.6	2712.3	2763.2	2793.7	2795.0	2792.5	2800.1	2793.7	2789.9
7.5°	2581.2	2618.1	2727.6	2795.0	2828.1	2829.4	2798.8	2763.2	2745.4	2730.1	2725.0
10°	2632.1	2686.8	2806.5	2851.0	2840.8	2793.7	2726.3	2670.3	2638.5	2615.5	2610.5
12.5°	2702.1	2763.2	2876.5	2875.2	2811.6	2727.6	2648.6	2581.2	2535.4	2508.6	2499.7
15°	2768.3	2845.9	2927.4	2867.6	2767.0	2665.2	2563.4	2473.0	2411.9	2369.9	2362.3
17.5°	2849.7	2932.5	2964.3	2843.4	2711.0	2579.9	2443.7	2325.4	2242.6	2193.0	2189.2
20°	2943.9	3017.7	2982.1	2801.4	2638.5	2466.6	2282.1	2149.7	2060.6	2012.3	2016.1
22.5°	3053.4	3106.8	2987.2	2744.1	2537.9	2306.3	2100.1	1972.8	1913.0	1887.5	1888.8
25°	3170.5	3204.8	2978.3	2666.5	2383.9	2110.3	1913.0	1854.4	1849.3	1843.0	1845.5
27.5°	3309.2	3301.6	2951.6	2557.0	2176.4	1882.4	1781.9	1797.2	1817.5	1815.0	1817.5
30°	3495.0	3422.5	2917.2	2405.5	1929.5	1691.5	1704.2	1747.5	1774.2	1776.8	1784.4
32.5°	3707.6	3556.1	2862.5	2199.3	1694.1	1584.6	1631.7	1683.9	1715.7	1722.1	1732.2
35°	3960.9	3708.9	2765.7	1942.2	1524.8	1521.0	1564.2	1599.9	1634.2	1636.8	1636.8
37.5°	4252.3	3861.6	2611.7	1658.4	1420.4	1466.2	1507.0	1514.6	1523.5	1515.9	1519.7
40°	4519.6	4009.2	2392.8	1400.0	1335.1	1417.9	1452.2	1426.8	1398.8	1379.7	1383.5
42.5°	4743.6	4109.8	2102.6	1219.3	1248.6	1374.6	1401.3	1349.1	1294.4	1258.8	1263.9
45°	4995.6	4202.7	1761.5	1097.1	1174.8	1344.0	1361.9	1294.4	1224.4	1171.0	1163.3
47.5°	5343.1	4392.3	1458.6	1011.9	1122.6	1327.5	1356.8	1265.1	1173.5	1093.3	1084.4
50°	5772.0	4660.9	1205.3	955.9	1098.4	1318.6	1355.5	1233.3	1123.9	1029.7	1023.3
52.5°	6240.4	4923.1	1018.2	912.6	1074.2	1291.9	1349.1	1197.7	1071.7	969.9	962.2
55°	6552.2	5026.2	892.2	871.8	1034.8	1249.9	1323.7	1163.3	992.8	899.8	888.4
57.5°	6643.9	4893.8	804.4	834.9	983.9	1191.3	1275.3	1090.8	944.4	870.6	861.7
60°	6486.0	4560.3	749.7	804.4	927.9	1116.2	1191.3	1048.8	906.2	840.0	833.7
62.5°	6040.6	4046.1	707.7	772.6	870.6	1037.3	1137.9	997.9	864.2	812.0	803.1
65°	5144.5	3318.1	673.3	739.5	815.8	962.2	1079.3	946.9	818.4	778.9	768.8
67.5°	3598.1	2330.4	636.4	700.0	761.1	889.7	1018.2	899.8	771.3	742.0	731.8
70°	1759.0	1235.9	591.8	654.2	702.6	815.8	957.1	842.6	708.9	692.4	678.4
72.5°	837.5	691.1	539.7	591.8	622.4	717.8	855.3	759.8	635.1	599.5	575.3
75°	561.3	491.3	470.9	518.0	525.7	602.0	733.1	655.5	560.0	519.3	498.9
77.5°	425.1	375.5	395.8	437.8	422.6	495.1	603.3	584.2	505.3	468.4	458.2
80°	299.1	273.6	314.4	339.8	328.4	421.3	543.5	500.2	416.2	375.5	367.8
82.5°	188.4	183.3	231.6	235.5	239.3	333.5	446.7	393.3	323.3	266.0	246.9
85°	94.2	104.4	138.7	138.7	137.5	171.8	254.6	221.5	174.4	138.7	134.9
87.5°	31.8	44.5	59.8	48.4	36.9	29.3	33.1	40.7	43.3	42.0	42.0
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)