

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: P635315

Luminaire Tested: GWS-SA3D-740-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635315
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-740-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16998.3 lumens
Efficiency: N/A
Efficacy: 140.7 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

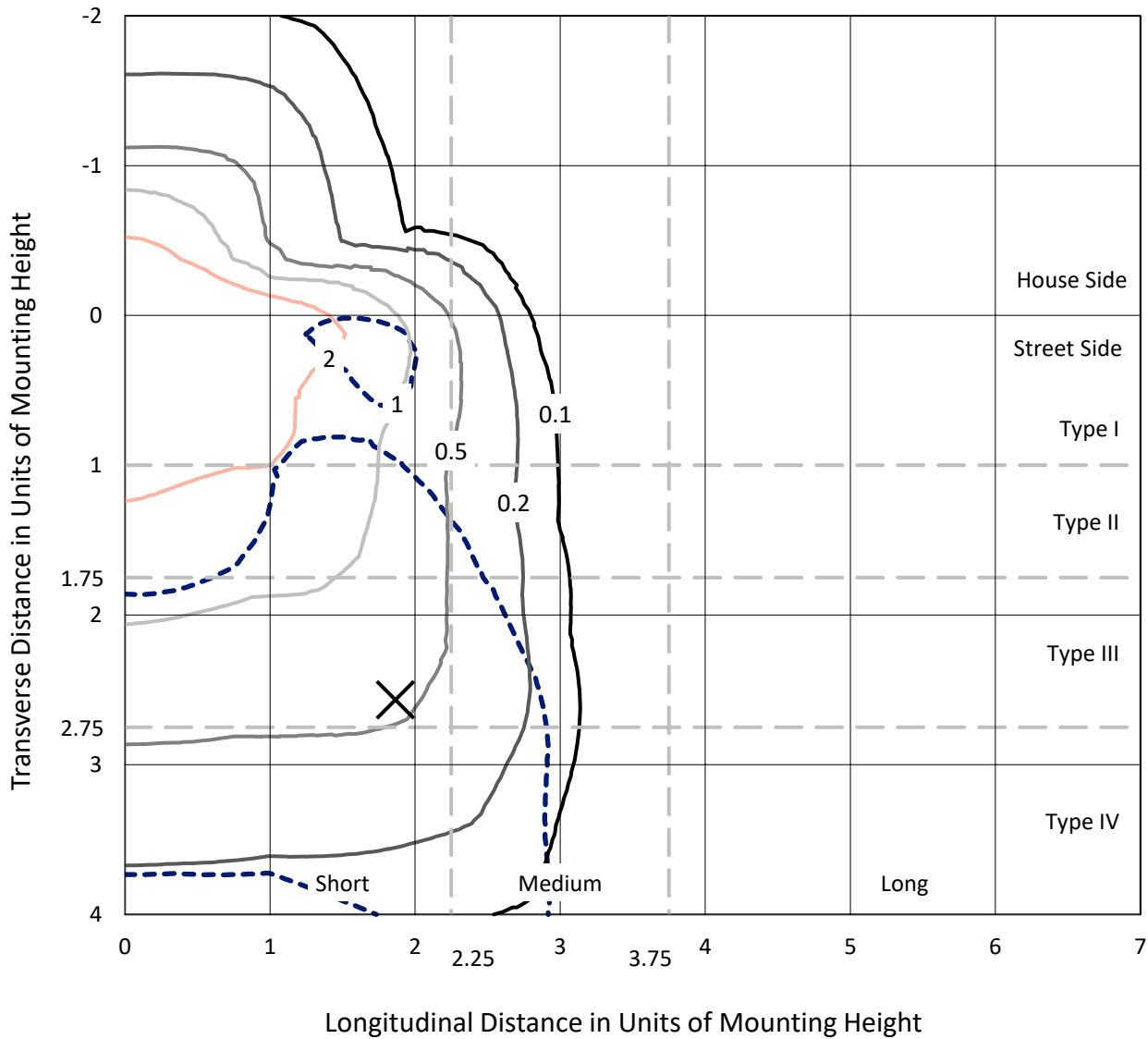
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

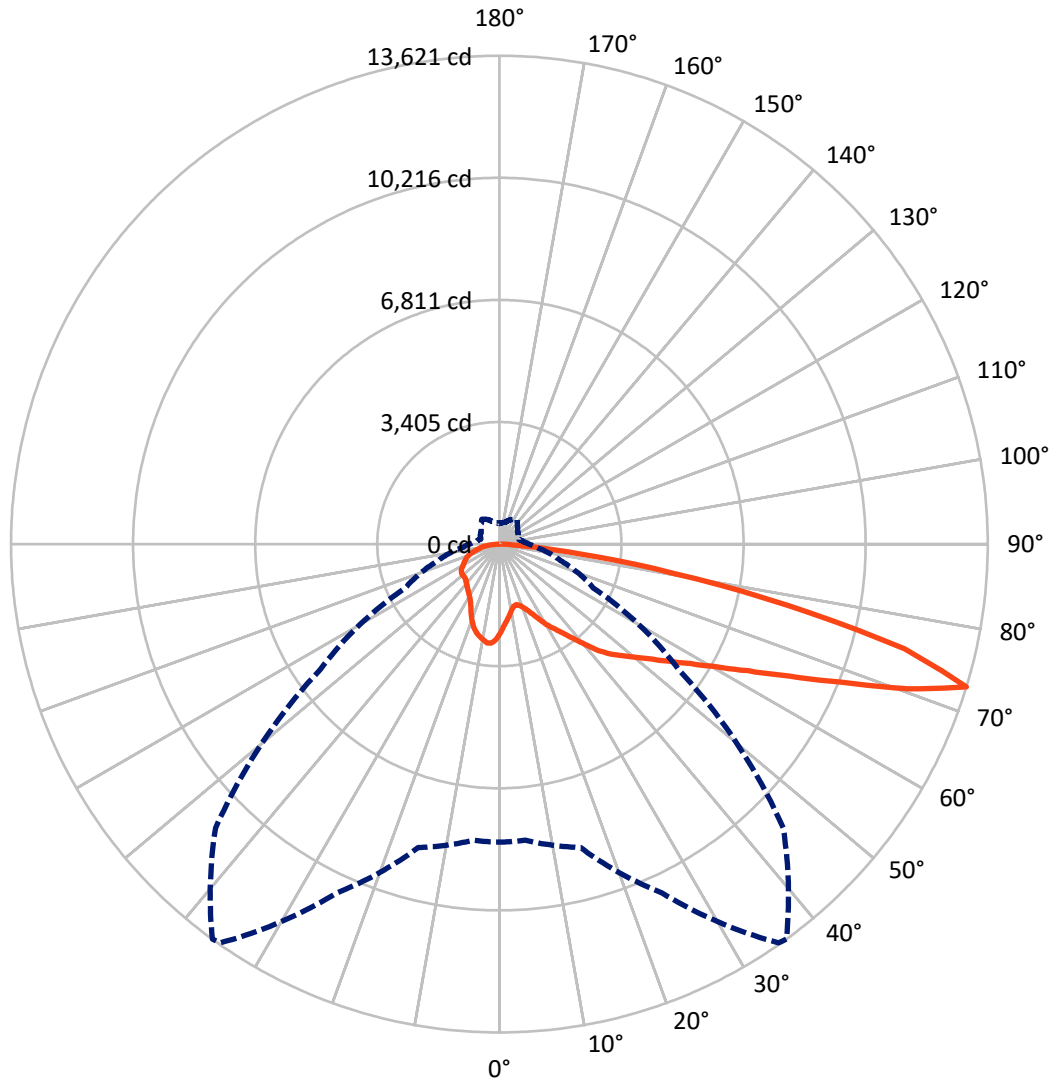
✕ Max cd
 - - - 1/2 Max cd



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	3918.8	0.0	3918.8
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	13079.5	0.0	13079.5
	% Fixture	76.9	0.0	76.9
Total	Lumens	16998.3	0.0	16998.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.5	1.4
10°-20°	656.1	3.9
20°-30°	1086.6	6.4
30°-40°	1627.2	9.6
40°-50°	2374.0	14.0
50°-60°	3378.9	19.9
60°-70°	4269.0	25.1
70°-80°	3042.0	17.9
80°-90°	332.1	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°	16998.3	100.0
0°-180°	16998.3	100.0

Coefficient of Utilization



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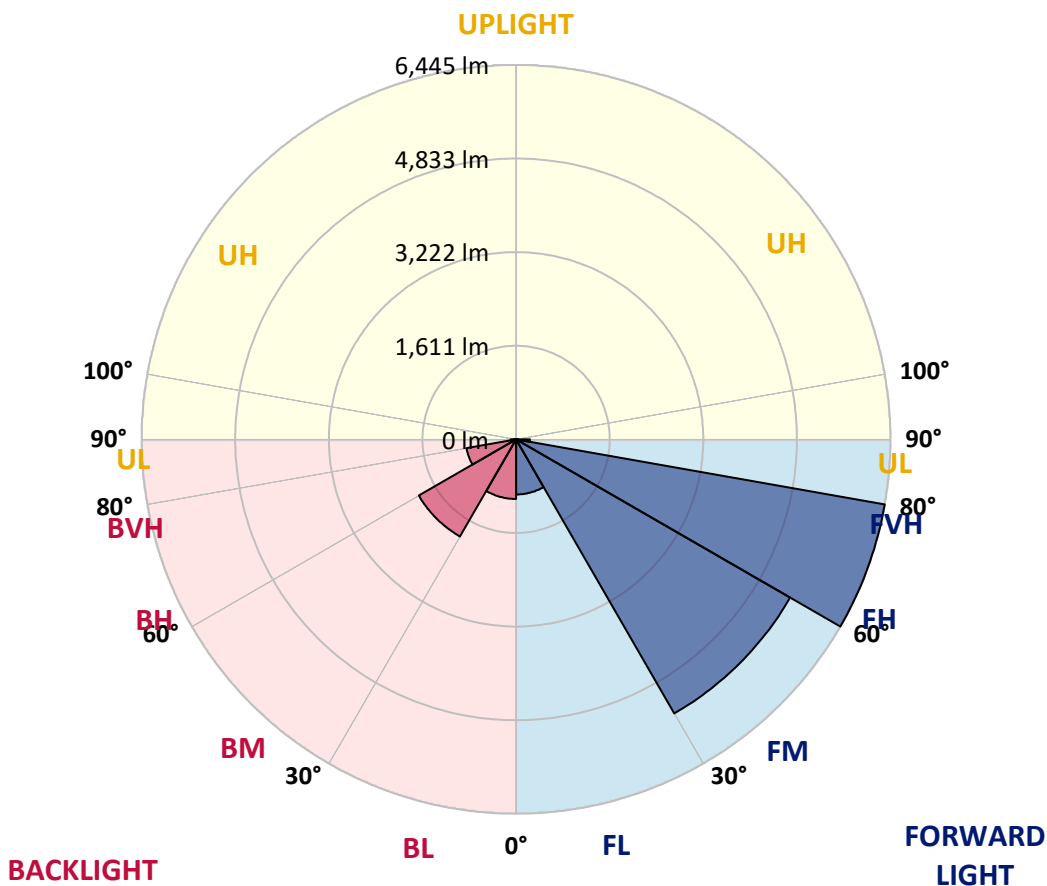
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	949.0	5.6			
FM (30°-60°)	5447.5	32.0			
FH (60°-80°)	6444.6	37.9			G3/7500
FVH (80°-90°)	238.4	1.4			G3/500
BL (0°-30°)	1026.2	6.0	B3/2500		
BM (30°-60°)	1932.5	11.4	B2/2500		
BH (60°-80°)	866.4	5.1	B2/1000		G2/1000
BVH (80°-90°)	93.7	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°	2487.8	2487.8	2487.8	2487.8	2487.8	2487.8	2487.8	2487.8	2487.8	2487.8	2487.8
2.5°	2269.5	2265.7	2258.2	2280.9	2303.6	2301.1	2332.6	2362.9	2395.7	2429.7	2475.2
5°	2087.9	2085.3	2079.0	2113.1	2147.2	2145.9	2197.6	2246.8	2313.7	2386.9	2477.7
7.5°	1906.2	1899.9	1908.7	1951.6	1999.6	2004.6	2075.3	2156.0	2253.1	2362.9	2491.6
10°	1746.0	1744.7	1748.5	1796.4	1868.4	1873.4	1964.2	2076.5	2205.2	2351.5	2523.1
12.5°	1704.4	1701.8	1691.7	1715.7	1770.0	1777.5	1877.2	2014.7	2172.4	2357.8	2566.0
15°	1772.5	1766.2	1730.8	1719.5	1746.0	1752.3	1836.8	1978.1	2153.5	2369.2	2620.2
17.5°	1889.8	1886.0	1819.2	1772.5	1790.1	1795.2	1858.3	1971.8	2148.4	2391.9	2687.1
20°	2061.4	2045.0	1940.3	1869.6	1869.6	1877.2	1915.0	1999.6	2154.7	2419.7	2762.8
22.5°	2288.5	2255.7	2108.1	2012.2	1986.9	1997.0	2013.4	2068.9	2181.2	2466.3	2857.4
25°	2543.3	2513.0	2337.7	2202.7	2167.3	2171.1	2157.3	2167.3	2239.3	2530.7	2974.7
27.5°	2814.5	2794.3	2607.6	2436.1	2380.5	2380.5	2331.3	2307.4	2320.0	2603.8	3105.9
30°	3056.7	3029.0	2871.3	2683.3	2610.1	2610.1	2516.8	2465.1	2434.8	2693.4	3281.3
32.5°	3184.2	3167.8	3063.0	2919.2	2829.7	2815.8	2735.0	2674.5	2603.8	2825.9	3518.5
35°	3350.7	3346.9	3283.8	3171.5	3058.0	3037.8	2982.3	2934.4	2812.0	2991.1	3833.9
37.5°	3560.1	3553.8	3543.7	3476.8	3340.6	3336.8	3287.6	3229.6	3070.6	3229.6	4216.1
40°	3794.7	3783.4	3770.8	3769.5	3687.5	3673.6	3669.9	3604.2	3382.2	3517.2	4614.8
42.5°	4117.7	4078.6	3960.0	4013.0	4073.5	4060.9	4108.9	4010.5	3770.8	3859.1	4992.0
45°	4515.1	4419.2	4184.6	4199.7	4352.3	4377.6	4544.1	4520.1	4198.4	4253.9	5389.3
47.5°	4753.5	4670.3	4452.0	4439.4	4629.9	4661.4	5023.5	5068.9	4658.9	4729.6	5880.1
50°	4949.1	4891.0	4711.9	4729.6	4931.4	4962.9	5499.1	5596.2	5092.9	5216.5	6450.3
52.5°	5185.0	5101.7	4962.9	5046.2	5293.5	5331.3	6027.7	6132.4	5484.0	5751.4	7040.7
55°	5317.4	5283.4	5285.9	5413.3	5723.7	5775.4	6581.5	6563.8	5842.2	6209.4	7484.8
57.5°	5622.7	5610.1	5726.2	5774.1	6225.8	6292.6	7135.3	6983.9	6167.7	6563.8	7698.0
60°	6161.4	6129.9	6230.8	6304.0	6846.4	6941.1	7753.5	7395.2	6388.5	6827.5	7626.1
62.5°	6918.3	6879.2	6883.0	6999.1	7677.8	7777.5	8441.0	7738.3	6456.6	6867.9	7170.7
65°	7859.5	7802.7	7738.3	7896.0	8781.7	8864.9	9189.1	7988.1	6293.9	6479.3	6219.4
67.5°	8852.3	8805.6	8729.9	9060.5	10211.0	10261.5	10028.1	7966.7	5777.9	5439.8	4362.4
70°	8910.3	8921.7	9280.0	10475.9	12076.8	12089.4	10821.6	7535.2	4679.1	3526.0	2173.7
72.5°	8312.4	8293.4	8760.2	10734.5	13578.1	13621.0	11196.3	6104.6	2891.5	1758.6	1019.3
75°	6751.8	6784.6	7275.4	9392.2	11637.8	11675.6	9127.3	3599.2	1373.8	860.4	652.2
77.5°	2906.6	3089.5	4057.1	6616.8	8335.1	8217.7	4704.3	1458.4	733.0	613.1	499.6
80°	838.9	910.8	1445.7	3146.3	4994.5	4906.2	1862.0	546.3	510.9	460.5	358.3
82.5°	271.2	300.2	529.9	1252.7	2238.0	2235.5	706.5	323.0	334.3	312.9	230.9
85°	75.7	87.0	162.7	379.7	692.6	678.7	204.4	152.6	177.9	180.4	114.8
87.5°	0.0	0.0	1.3	2.5	2.5	2.5	5.0	22.7	51.7	65.6	46.7
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°	2487.8	2487.8	2487.8	2487.8	2487.8	2487.8	2487.8	2487.8	2487.8	2487.8	2487.8
2.5°	2502.9	2499.1	2550.9	2591.2	2629.1	2654.3	2661.9	2666.9	2677.0	2682.1	2677.0
5°	2520.6	2539.5	2625.3	2688.4	2738.8	2769.1	2770.4	2767.8	2775.4	2769.1	2765.3
7.5°	2558.4	2595.0	2703.5	2770.4	2803.2	2804.4	2774.1	2738.8	2721.2	2706.0	2701.0
10°	2608.9	2663.1	2781.7	2825.9	2815.8	2769.1	2702.2	2646.7	2615.2	2592.5	2587.4
12.5°	2678.3	2738.8	2851.1	2849.8	2786.8	2703.5	2625.3	2558.4	2513.0	2486.5	2477.7
15°	2743.9	2820.8	2901.6	2842.3	2742.6	2641.7	2540.8	2451.2	2390.6	2349.0	2341.4
17.5°	2824.6	2906.6	2938.2	2818.3	2687.1	2557.2	2422.2	2304.9	2222.9	2173.7	2169.9
20°	2918.0	2991.1	2955.8	2776.7	2615.2	2444.9	2262.0	2130.8	2042.5	1994.5	1998.3
22.5°	3026.5	3079.4	2960.9	2719.9	2515.5	2285.9	2081.6	1955.4	1896.1	1870.9	1872.1
25°	3142.5	3176.6	2952.0	2642.9	2362.9	2091.7	1896.1	1838.1	1833.0	1826.7	1829.2
27.5°	3280.0	3272.5	2925.5	2534.5	2157.3	1865.8	1766.2	1781.3	1801.5	1799.0	1801.5
30°	3464.2	3392.3	2891.5	2384.3	1912.5	1676.6	1689.2	1732.1	1758.6	1761.1	1768.7
32.5°	3674.9	3524.8	2837.2	2180.0	1679.1	1570.6	1617.3	1669.0	1700.6	1706.9	1717.0
35°	3925.9	3676.2	2741.3	1925.1	1511.3	1507.6	1550.4	1585.8	1619.8	1622.4	1622.4
37.5°	4214.8	3827.5	2588.7	1643.8	1407.9	1453.3	1493.7	1501.2	1510.1	1502.5	1506.3
40°	4479.8	3973.9	2371.7	1387.7	1323.4	1405.4	1439.4	1414.2	1386.4	1367.5	1371.3
42.5°	4701.8	4073.5	2084.1	1208.6	1237.6	1362.5	1389.0	1337.2	1283.0	1247.7	1252.7
45°	4951.6	4165.6	1746.0	1087.5	1164.4	1332.2	1349.9	1283.0	1213.6	1160.6	1153.1
47.5°	5296.0	4353.6	1445.7	1002.9	1112.7	1315.8	1344.8	1254.0	1163.1	1083.7	1074.8
50°	5721.1	4619.8	1194.7	947.4	1088.7	1307.0	1343.6	1222.4	1113.9	1020.6	1014.3
52.5°	6185.4	4879.7	1009.2	904.5	1064.7	1280.5	1337.2	1187.1	1062.2	961.3	953.7
55°	6494.5	4981.9	884.3	864.2	1025.6	1238.8	1312.0	1153.1	984.0	891.9	880.6
57.5°	6585.3	4850.7	797.3	827.6	975.2	1180.8	1264.1	1081.1	936.1	862.9	854.1
60°	6428.9	4520.1	743.1	797.3	919.7	1106.4	1180.8	1039.5	898.2	832.6	826.3
62.5°	5987.3	4010.5	701.4	765.8	862.9	1028.2	1127.8	989.1	856.6	804.9	796.0
65°	5099.2	3288.9	667.4	733.0	808.7	953.7	1069.8	938.6	811.2	772.1	762.0
67.5°	3566.4	2309.9	630.8	693.9	754.4	881.8	1009.2	891.9	764.5	735.5	725.4
70°	1743.5	1225.0	586.6	648.4	696.4	808.7	948.7	835.1	702.7	686.3	672.4
72.5°	830.1	685.0	534.9	586.6	616.9	711.5	847.8	753.1	629.5	594.2	570.2
75°	556.3	487.0	466.8	513.5	521.0	596.7	726.7	649.7	555.1	514.7	494.5
77.5°	421.4	372.2	392.3	434.0	418.8	490.7	598.0	579.1	500.8	464.3	454.2
80°	296.5	271.2	311.6	336.8	325.5	417.6	538.7	495.8	412.5	372.2	364.6
82.5°	186.7	181.7	229.6	233.4	237.2	330.5	442.8	389.8	320.4	263.7	244.7
85°	93.4	103.4	137.5	137.5	136.2	170.3	252.3	219.5	172.8	137.5	133.7
87.5°	31.5	44.2	59.3	47.9	36.6	29.0	32.8	40.4	42.9	41.6	41.6
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)