

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: P635370

Luminaire Tested: GWS-SA3D-750-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635370
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-750-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17387.8 lumens
Efficiency: N/A
Efficacy: 143.9 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

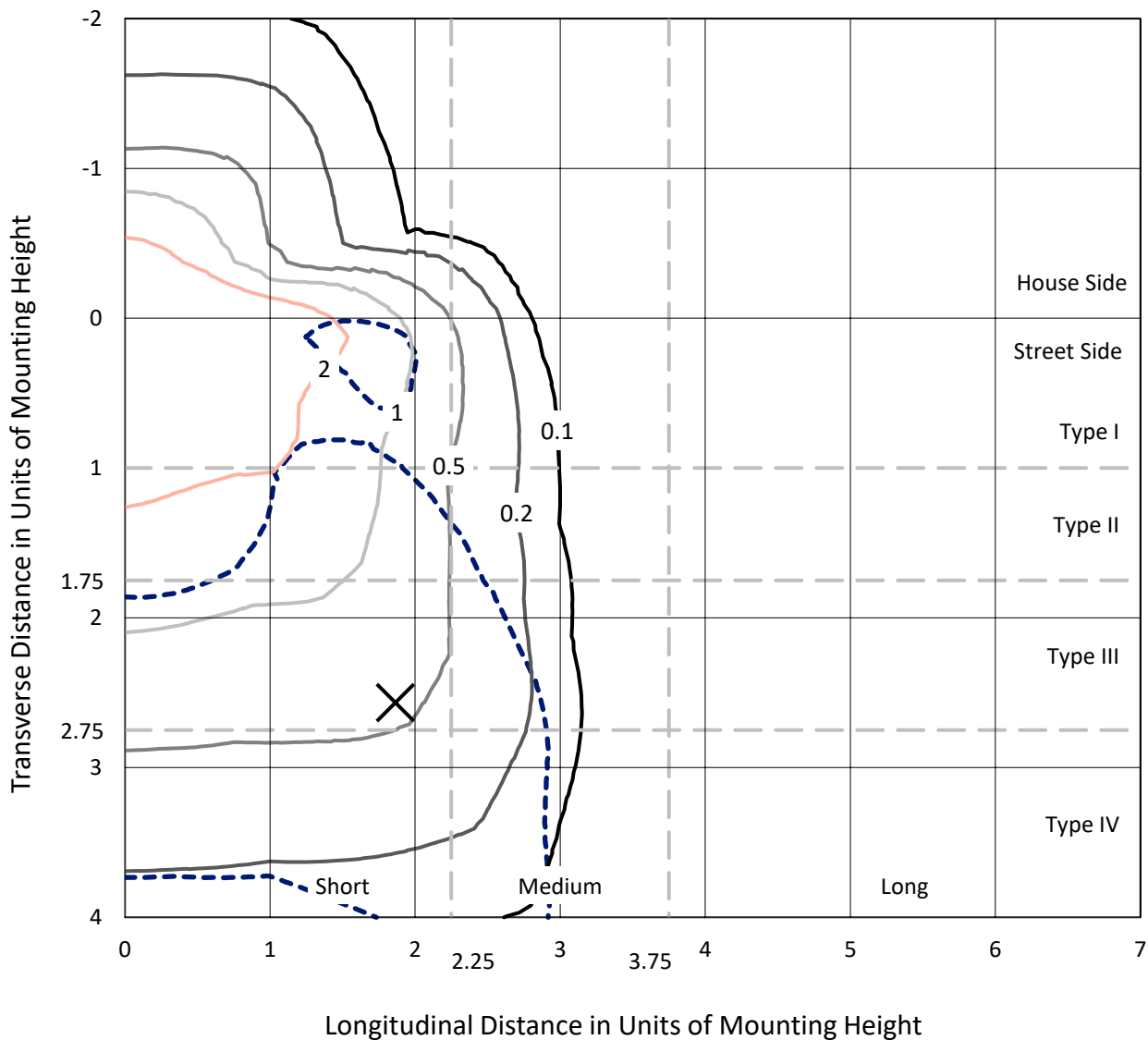
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

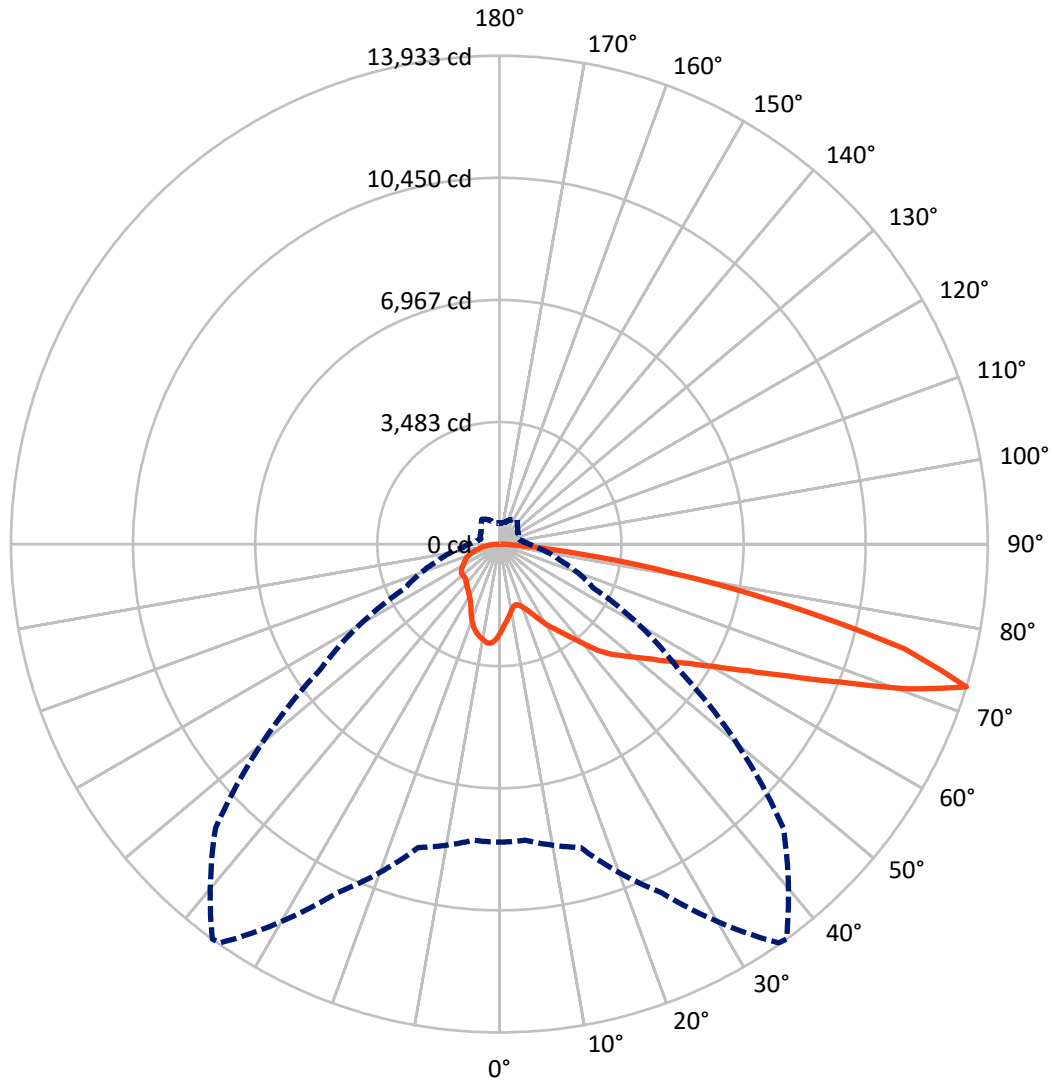
✕ Max cd
 - - - 1/2 Max cd



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	4008.6	0.0	4008.6
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	13379.2	0.0	13379.2
	% Fixture	76.9	0.0	76.9
Total	Lumens	17387.8	0.0	17387.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.9	1.4
10°-20°	671.1	3.9
20°-30°	1111.5	6.4
30°-40°	1664.5	9.6
40°-50°	2428.4	14.0
50°-60°	3456.3	19.9
60°-70°	4366.8	25.1
70°-80°	3111.7	17.9
80°-90°	339.7	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°	17387.8	100.0
0°-180°	17387.8	100.0

Coefficient of Utilization



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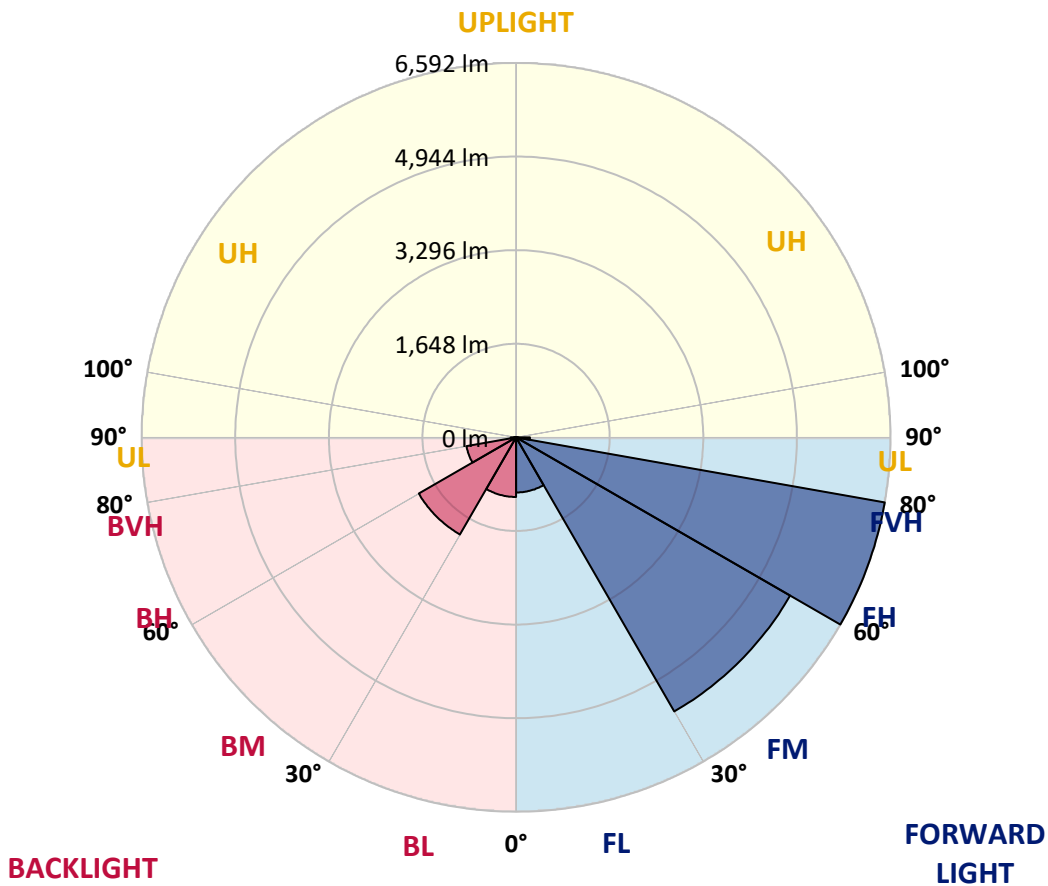
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	970.7	5.6			
FM (30°-60°)	5572.3	32.0			
FH (60°-80°)	6592.3	37.9			G3/7500
FVH (80°-90°)	243.8	1.4			G3/500
BL (0°-30°)	1049.7	6.0	B3/2500		
BM (30°-60°)	1976.8	11.4	B2/2500		
BH (60°-80°)	886.2	5.1	B2/1000		G2/1000
BVH (80°-90°)	95.9	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°	2544.8	2544.8	2544.8	2544.8	2544.8	2544.8	2544.8	2544.8	2544.8	2544.8	2544.8
2.5°	2321.5	2317.7	2309.9	2333.1	2356.4	2353.8	2386.1	2417.0	2450.6	2485.4	2531.9
5°	2135.7	2133.1	2126.7	2161.5	2196.4	2195.1	2248.0	2298.3	2366.7	2441.5	2534.5
7.5°	1949.9	1943.4	1952.5	1996.3	2045.4	2050.5	2122.8	2205.4	2304.8	2417.0	2548.7
10°	1786.0	1784.7	1788.6	1837.6	1911.2	1916.3	2009.2	2124.1	2255.7	2405.4	2580.9
12.5°	1743.4	1740.8	1730.5	1755.0	1810.5	1818.3	1920.2	2060.9	2222.2	2411.9	2624.8
15°	1813.1	1806.6	1770.5	1758.9	1786.0	1792.4	1878.9	2023.4	2202.8	2423.5	2680.3
17.5°	1933.1	1929.2	1860.8	1813.1	1831.2	1836.3	1900.8	2017.0	2197.6	2446.7	2748.7
20°	2108.6	2091.8	1984.7	1912.5	1912.5	1920.2	1958.9	2045.4	2204.1	2475.1	2826.1
22.5°	2340.9	2307.3	2156.4	2058.3	2032.5	2042.8	2059.6	2116.4	2231.2	2522.8	2922.9
25°	2601.6	2570.6	2391.2	2253.1	2217.0	2220.9	2206.7	2217.0	2290.6	2588.7	3042.9
27.5°	2879.0	2858.4	2667.4	2491.9	2435.1	2435.1	2384.8	2360.2	2373.2	2663.5	3177.1
30°	3126.8	3098.4	2937.1	2744.8	2670.0	2670.0	2574.5	2521.6	2490.6	2755.1	3356.5
32.5°	3257.1	3240.3	3133.2	2986.1	2894.5	2880.3	2797.7	2735.8	2663.5	2890.6	3599.1
35°	3427.5	3423.6	3359.1	3244.2	3128.1	3107.4	3050.6	3001.6	2876.4	3059.7	3921.7
37.5°	3641.7	3635.2	3624.9	3556.5	3417.1	3413.3	3362.9	3303.6	3141.0	3303.6	4312.7
40°	3881.7	3870.1	3857.2	3855.9	3772.0	3757.8	3753.9	3686.8	3459.7	3597.8	4720.5
42.5°	4212.1	4172.0	4050.7	4104.9	4166.9	4154.0	4203.0	4102.4	3857.2	3947.5	5106.3
45°	4618.5	4520.5	4280.4	4295.9	4452.1	4477.9	4648.2	4623.7	4294.6	4351.4	5512.8
47.5°	4862.4	4777.3	4554.0	4541.1	4736.0	4768.2	5138.6	5185.1	4765.7	4837.9	6014.8
50°	5062.5	5003.1	4819.9	4837.9	5044.4	5076.7	5625.1	5724.5	5209.6	5336.0	6598.1
52.5°	5303.8	5218.6	5076.7	5161.8	5414.8	5453.5	6165.8	6272.9	5609.6	5883.2	7202.0
55°	5439.3	5404.4	5407.0	5537.4	5854.8	5907.7	6732.3	6714.3	5976.1	6351.6	7656.3
57.5°	5751.6	5738.7	5857.4	5906.4	6368.4	6436.8	7298.8	7144.0	6309.0	6714.3	7874.4
60°	6302.6	6270.3	6373.6	6448.4	7003.3	7100.1	7931.2	7564.7	6534.9	6984.0	7800.8
62.5°	7076.9	7036.9	7040.7	7159.5	7853.7	7955.7	8634.5	7915.7	6604.6	7025.3	7335.0
65°	8039.6	7981.5	7915.7	8077.0	8982.9	9068.0	9399.7	8171.2	6438.1	6627.8	6362.0
67.5°	9055.1	9007.4	8930.0	9268.1	10445.0	10496.6	10257.8	8149.2	5910.3	5564.5	4462.4
70°	9114.5	9126.1	9492.6	10716.0	12353.6	12366.5	11069.5	7707.9	4786.3	3606.8	2223.5
72.5°	8502.8	8483.5	8960.9	10980.5	13889.2	13933.1	11452.8	6244.5	2957.7	1798.9	1042.7
75°	6906.5	6940.1	7442.1	9607.5	11904.5	11943.2	9336.5	3681.7	1405.3	880.1	667.2
77.5°	2973.2	3160.3	4150.1	6768.5	8526.1	8406.0	4812.1	1491.8	749.8	627.2	511.0
80°	858.2	931.7	1478.9	3218.4	5108.9	5018.6	1904.7	558.8	522.6	471.0	366.5
82.5°	277.4	307.1	542.0	1281.4	2289.3	2286.7	722.7	330.4	342.0	320.0	236.2
85°	77.4	89.0	166.5	388.4	708.5	694.3	209.1	156.1	182.0	184.5	117.4
87.5°	0.0	0.0	1.3	2.6	2.6	2.6	5.2	23.2	52.9	67.1	47.7
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°	2544.8	2544.8	2544.8	2544.8	2544.8	2544.8	2544.8	2544.8	2544.8	2544.8	2544.8
2.5°	2560.3	2556.4	2609.3	2650.6	2689.3	2715.1	2722.9	2728.0	2738.4	2743.5	2738.4
5°	2578.3	2597.7	2685.4	2750.0	2801.6	2832.6	2833.8	2831.3	2839.0	2832.6	2828.7
7.5°	2617.0	2654.5	2765.5	2833.8	2867.4	2868.7	2837.7	2801.6	2783.5	2768.0	2762.9
10°	2668.7	2724.2	2845.5	2890.6	2880.3	2832.6	2764.2	2707.4	2675.1	2651.9	2646.7
12.5°	2739.6	2801.6	2916.4	2915.1	2850.6	2765.5	2685.4	2617.0	2570.6	2543.5	2534.5
15°	2806.7	2885.5	2968.1	2907.4	2805.5	2702.2	2599.0	2507.4	2445.4	2402.8	2395.1
17.5°	2889.3	2973.2	3005.5	2882.9	2748.7	2615.8	2477.7	2357.7	2273.8	2223.5	2219.6
20°	2984.8	3059.7	3023.5	2840.3	2675.1	2500.9	2313.8	2179.6	2089.3	2040.2	2044.1
22.5°	3095.8	3150.0	3028.7	2782.2	2573.2	2338.3	2129.3	2000.2	1939.6	1913.7	1915.0
25°	3214.5	3249.4	3019.7	2703.5	2417.0	2139.6	1939.6	1880.2	1875.0	1868.6	1871.2
27.5°	3355.2	3347.4	2992.6	2592.5	2206.7	1908.6	1806.6	1822.1	1842.8	1840.2	1842.8
30°	3543.6	3470.0	2957.7	2439.0	1956.3	1715.0	1727.9	1771.8	1798.9	1801.5	1809.2
32.5°	3759.1	3605.5	2902.2	2229.9	1717.6	1606.6	1654.4	1707.3	1739.5	1746.0	1756.3
35°	4015.9	3760.4	2804.2	1969.2	1546.0	1542.1	1586.0	1622.1	1656.9	1659.5	1659.5
37.5°	4311.4	3915.2	2648.0	1681.5	1440.2	1486.6	1527.9	1535.6	1544.7	1536.9	1540.8
40°	4582.4	4064.9	2426.1	1419.5	1353.7	1437.6	1472.4	1446.6	1418.2	1398.9	1402.7
42.5°	4809.5	4166.9	2131.8	1236.3	1265.9	1393.7	1420.8	1367.9	1312.4	1276.3	1281.4
45°	5065.0	4261.1	1786.0	1112.4	1191.1	1362.7	1380.8	1312.4	1241.4	1187.2	1179.5
47.5°	5417.3	4453.4	1478.9	1025.9	1138.2	1345.9	1375.6	1282.7	1189.8	1108.5	1099.5
50°	5852.2	4725.7	1222.1	969.1	1113.7	1336.9	1374.3	1250.5	1139.5	1044.0	1037.5
52.5°	6327.1	4991.5	1032.4	925.3	1089.1	1309.8	1367.9	1214.3	1086.6	983.3	975.6
55°	6643.3	5096.0	904.6	884.0	1049.1	1267.2	1342.1	1179.5	1006.6	912.4	900.7
57.5°	6736.2	4961.8	815.6	846.5	997.5	1207.9	1293.0	1105.9	957.5	882.7	873.6
60°	6576.2	4623.7	760.1	815.6	940.7	1131.7	1207.9	1063.3	918.8	851.7	845.2
62.5°	6124.5	4102.4	717.5	783.3	882.7	1051.7	1153.7	1011.7	876.2	823.3	814.3
65°	5216.0	3364.2	682.7	749.8	827.2	975.6	1094.3	960.1	829.8	789.8	779.4
67.5°	3648.1	2362.8	645.2	709.8	771.7	902.0	1032.4	912.4	782.0	752.3	742.0
70°	1783.4	1253.0	600.1	663.3	712.3	827.2	970.4	854.3	718.8	702.0	687.8
72.5°	849.1	700.7	547.2	600.1	631.0	727.8	867.2	770.4	643.9	607.8	583.3
75°	569.1	498.1	477.5	525.2	533.0	610.4	743.3	664.6	567.8	526.5	505.9
77.5°	431.0	380.7	401.3	443.9	428.4	502.0	611.7	592.3	512.3	474.9	464.6
80°	303.3	277.4	318.7	344.6	332.9	427.1	551.0	507.1	422.0	380.7	372.9
82.5°	191.0	185.8	234.9	238.7	242.6	338.1	453.0	398.8	327.8	269.7	250.3
85°	95.5	105.8	140.7	140.7	139.4	174.2	258.1	224.5	176.8	140.7	136.8
87.5°	32.3	45.2	60.7	49.0	37.4	29.7	33.6	41.3	43.9	42.6	42.6
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)