

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: P631907

Luminaire Tested: GWS-SA2B-750-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631907
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-SA2B-750-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6998.9 lumens
Efficiency: N/A
Efficacy: 150.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

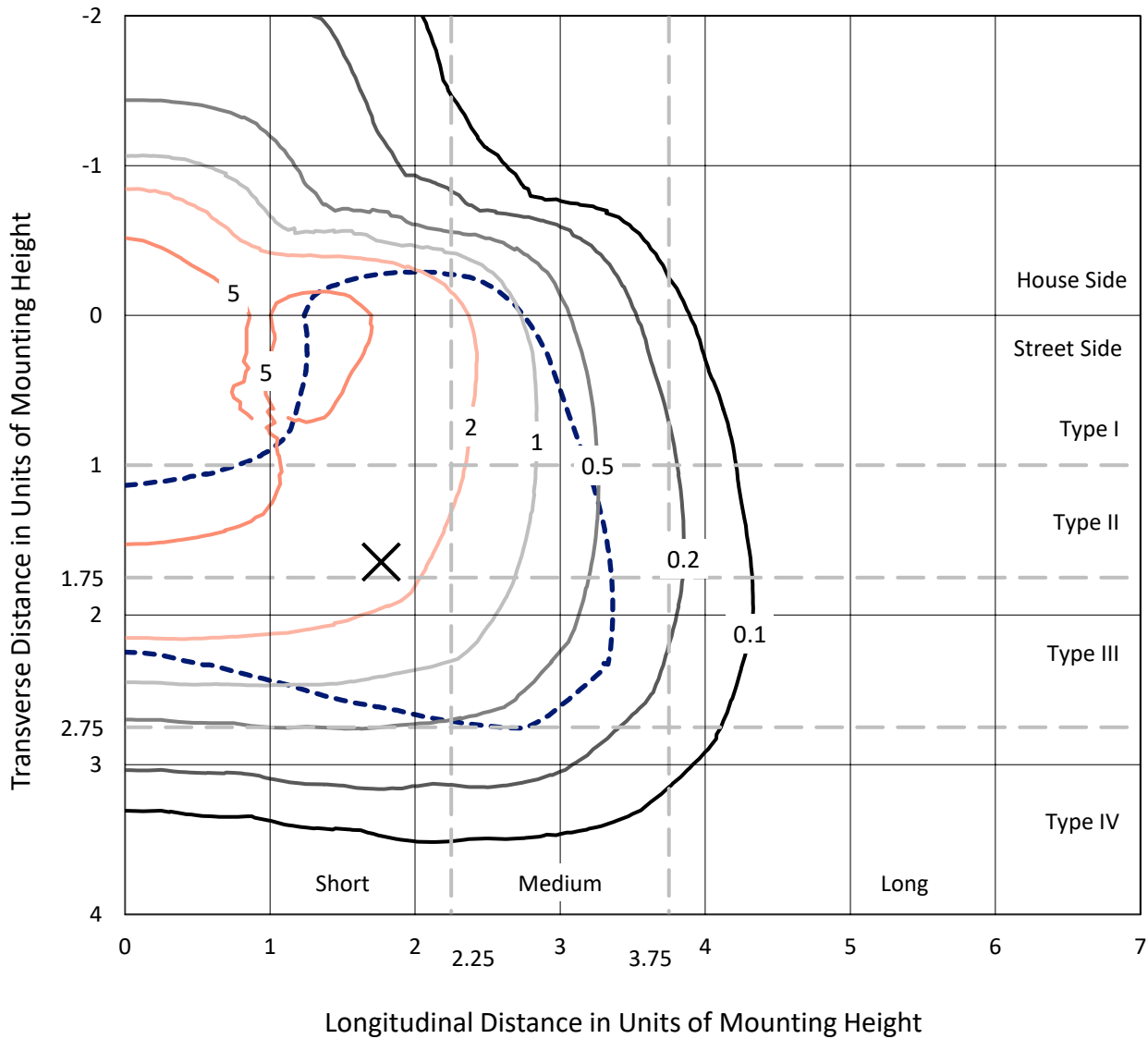
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

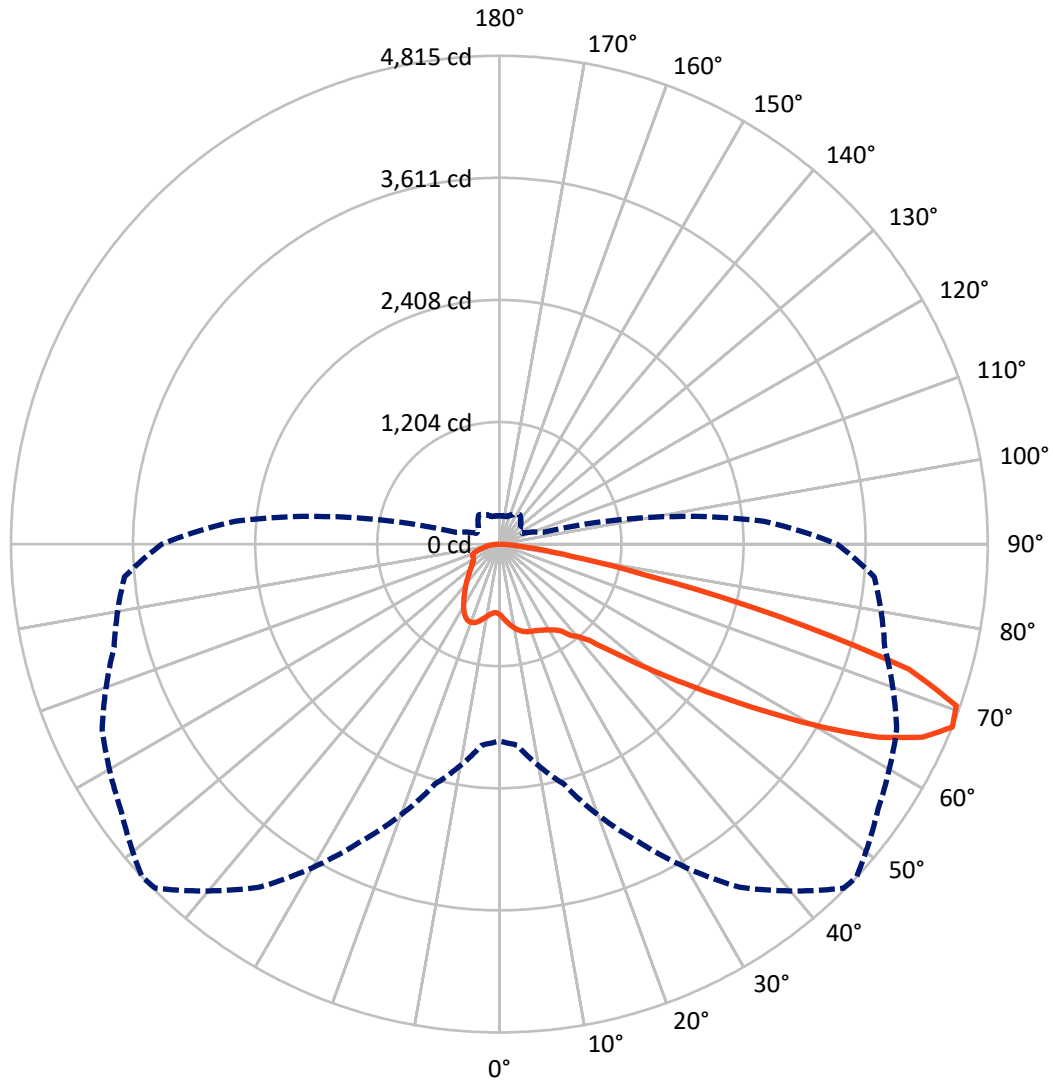
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.7 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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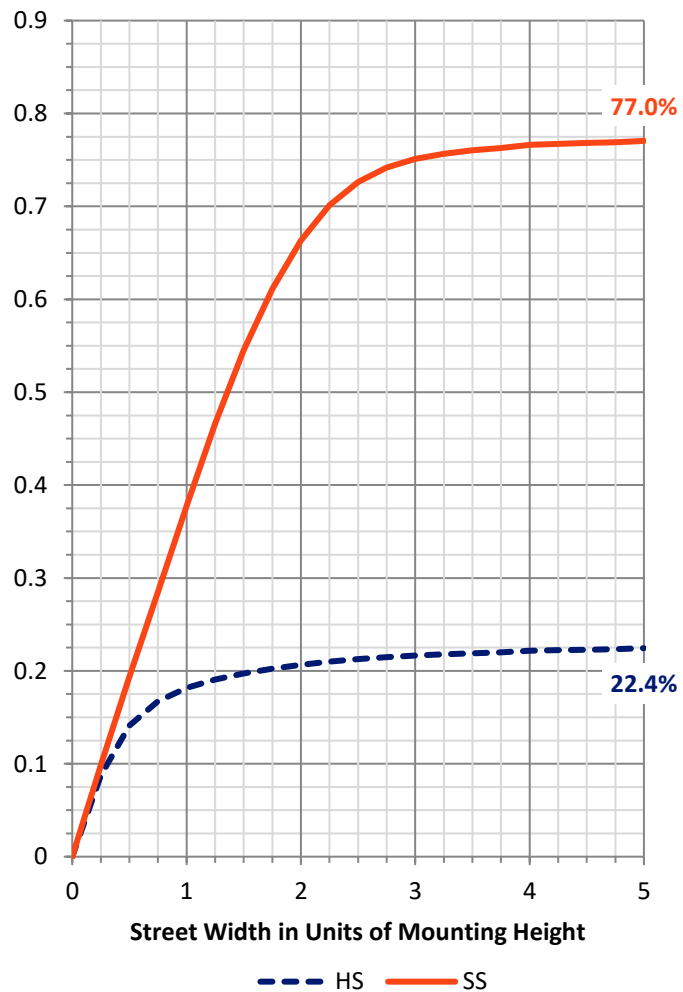
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1595.1	0.0	1595.1
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	5403.8	0.0	5403.8
	% Fixture	77.2	0.0	77.2
Total	Lumens	6998.9	0.0	6998.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.9	1.0
10°-20°	236.2	3.4
20°-30°	401.5	5.7
30°-40°	588.2	8.4
40°-50°	896.2	12.8
50°-60°	1603.5	22.9
60°-70°	2139.8	30.6
70°-80°	967.6	13.8
80°-90°	94.8	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°	6998.9	100.0
0°-180°	6998.9	100.0

Coefficient of Utilization



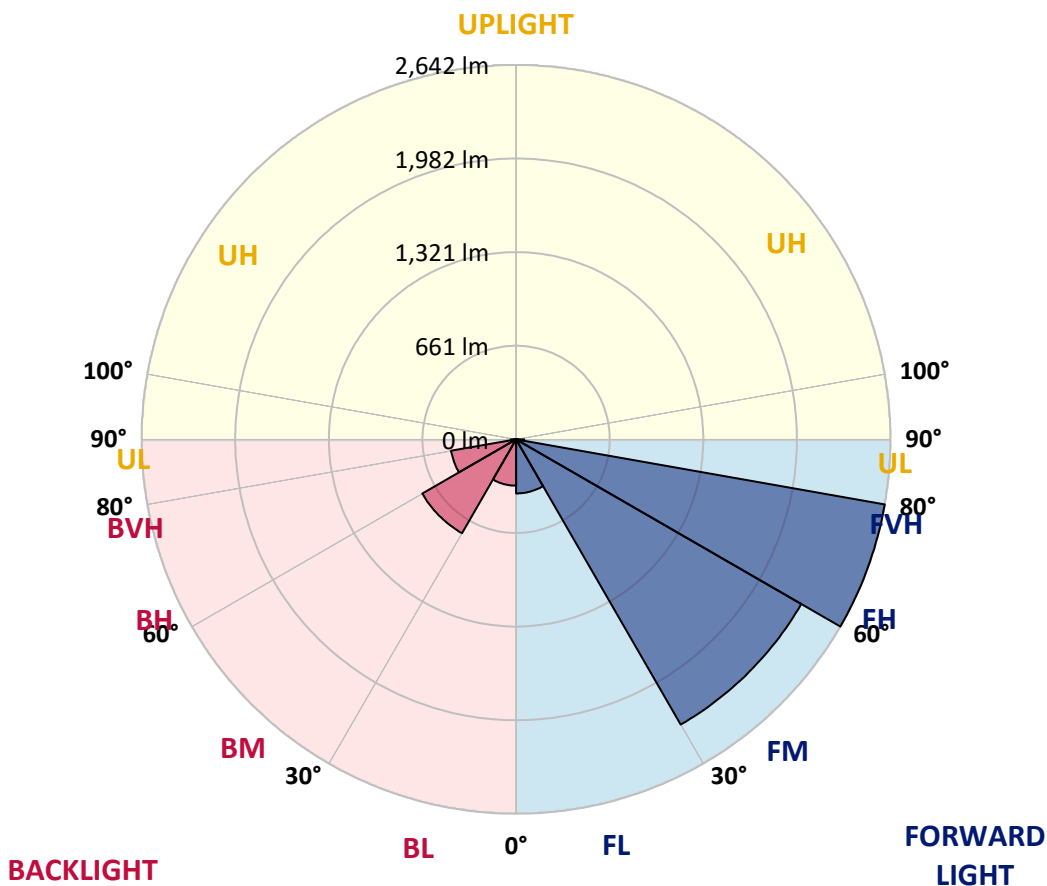
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	381.7	5.5			
FM (30°-60°)	2323.7	33.2			
FH (60°-80°)	2642.0	37.7			G2/5000
FVH (80°-90°)	56.4	0.8			G1/100
BL (0°-30°)	327.0	4.7	B1/500		
BM (30°-60°)	764.3	10.9	B1/1000		
BH (60°-80°)	465.4	6.6	B1/500		G1/500
BVH (80°-90°)	38.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	693.8	693.8	693.8	693.8	693.8	693.8	693.8	693.8	693.8	693.8	693.8
2.5°	739.9	742.4	741.9	737.8	735.3	730.8	731.3	724.2	713.5	706.5	698.4
5°	805.1	809.2	804.1	797.6	787.4	772.8	771.2	755.0	734.8	720.6	706.0
7.5°	861.8	864.4	858.3	847.1	832.5	812.7	809.2	790.0	764.7	742.4	721.1
10°	905.9	908.9	900.8	886.1	866.9	847.1	844.6	824.9	798.1	771.7	744.9
12.5°	943.3	944.3	935.7	916.0	895.2	875.0	872.5	854.2	829.4	802.6	773.3
15°	965.1	965.6	954.9	933.2	913.4	895.7	894.2	878.5	855.8	830.4	799.1
17.5°	963.5	964.6	957.0	937.7	920.5	909.9	908.4	898.3	880.5	857.8	826.4
20°	944.8	945.8	940.8	928.1	919.0	916.0	916.5	913.4	902.8	884.1	852.2
22.5°	930.1	931.7	927.1	918.0	917.0	924.1	925.6	927.1	922.0	905.3	874.5
25°	937.2	939.8	932.7	920.0	922.0	937.7	940.8	945.8	941.8	927.6	900.8
27.5°	986.3	987.8	969.6	943.8	937.7	954.4	959.0	967.1	964.1	950.9	930.1
30°	1100.2	1099.2	1060.2	996.9	971.6	978.2	981.8	993.4	994.4	985.8	966.1
32.5°	1260.6	1255.5	1195.3	1094.6	1021.2	1005.0	1009.1	1024.8	1036.4	1027.3	1000.5
35°	1430.1	1425.6	1359.3	1241.4	1112.8	1056.7	1052.1	1064.3	1082.0	1056.7	1018.2
37.5°	1591.6	1584.5	1516.7	1370.9	1225.7	1147.2	1140.7	1128.5	1117.9	1069.3	1040.0
40°	1770.7	1762.6	1703.4	1538.4	1350.2	1216.6	1199.9	1151.8	1142.2	1111.3	1096.6
42.5°	1962.0	1962.0	1912.9	1750.5	1500.5	1315.8	1294.0	1221.6	1231.8	1211.5	1194.3
45°	2153.3	2158.9	2119.9	1964.0	1701.4	1503.0	1468.1	1365.4	1389.6	1380.5	1371.9
47.5°	2316.3	2326.9	2319.3	2182.1	1947.3	1730.7	1677.6	1570.8	1622.9	1644.7	1669.0
50°	2491.9	2503.5	2495.9	2441.8	2235.3	2006.5	1959.0	1848.6	1938.2	2003.5	2083.0
52.5°	2752.5	2769.2	2705.9	2685.2	2585.0	2319.8	2277.3	2151.8	2314.2	2422.5	2599.6
55°	2972.6	2972.1	2949.8	2997.4	2960.5	2702.9	2655.8	2542.0	2749.4	2864.3	3123.4
57.5°	3074.8	3087.0	3163.4	3298.0	3371.9	3171.0	3126.0	3009.6	3216.5	3276.3	3556.1
60°	3127.5	3142.7	3290.4	3556.6	3755.5	3682.1	3664.4	3516.1	3632.5	3625.4	3921.0
62.5°	3053.6	3083.9	3321.3	3675.0	4029.3	4195.8	4190.2	3966.0	3986.3	3916.9	4147.2
65°	2714.5	2747.4	3119.9	3615.8	4185.6	4586.4	4588.0	4373.4	4258.0	4058.6	4109.2
67.5°	1941.3	1988.3	2448.8	3235.3	4130.5	4797.5	4815.2	4558.1	4321.8	3933.1	3710.5
70°	1058.2	1092.6	1453.4	2351.7	3633.5	4746.9	4779.8	4469.0	4040.4	3402.3	2856.2
72.5°	480.8	491.9	676.1	1290.5	2482.2	4086.0	4223.6	3988.3	3318.3	2513.1	1816.3
75°	220.1	225.2	294.5	617.4	1297.0	2734.3	2830.9	2970.6	2309.2	1587.0	946.8
77.5°	138.2	139.7	167.5	282.4	646.7	1364.9	1466.6	1768.7	1352.2	785.4	395.7
80°	81.5	83.0	104.2	152.8	303.6	624.5	721.1	699.4	635.6	339.1	180.2
82.5°	41.0	42.5	60.2	87.0	165.5	248.5	292.5	294.0	236.8	183.7	101.7
85°	14.7	15.2	19.7	34.4	70.3	82.0	91.6	111.8	115.9	106.8	49.1
87.5°	0.0	0.0	0.5	1.0	2.0	8.1	8.6	16.2	33.9	38.0	19.7
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°	693.8	693.8	693.8	693.8	693.8	693.8	693.8	693.8	693.8	693.8	693.8
2.5°	695.8	688.2	685.7	683.2	679.1	677.6	674.6	671.5	671.5	668.5	667.0
5°	699.4	689.3	682.7	679.6	677.1	678.6	678.6	679.6	683.2	681.2	682.2
7.5°	712.0	700.4	691.3	688.8	688.8	694.8	698.9	703.9	710.5	711.5	711.5
10°	734.3	720.6	711.0	709.5	712.0	720.6	726.7	732.8	740.9	741.4	742.4
12.5°	758.6	744.9	735.3	737.3	739.9	751.0	757.6	762.6	770.7	770.7	770.2
15°	783.9	768.7	760.6	764.7	772.3	784.9	785.9	786.4	790.5	789.5	789.0
17.5°	810.2	794.0	787.9	794.0	802.1	808.2	803.1	796.0	794.5	792.5	791.5
20°	836.0	819.3	816.8	821.3	823.9	818.8	803.1	790.0	783.9	780.9	779.8
22.5°	858.3	844.1	842.6	842.6	829.9	812.2	789.0	771.2	763.1	759.1	758.1
25°	884.6	871.4	868.9	855.2	822.9	790.5	759.1	742.9	736.3	734.3	734.8
27.5°	915.5	906.4	898.3	859.3	802.6	752.0	716.6	709.5	707.0	709.5	711.0
30°	953.4	944.3	926.1	854.2	770.2	701.9	668.0	667.5	675.1	681.7	682.7
32.5°	984.3	980.2	950.4	838.0	724.7	646.7	617.9	619.9	633.6	642.7	644.2
35°	1008.6	1015.2	970.6	811.2	670.5	594.6	571.9	572.9	580.5	593.1	593.6
37.5°	1043.0	1065.3	988.8	770.2	608.3	549.6	528.8	521.2	520.2	523.8	524.8
40°	1112.3	1145.7	1002.0	710.5	548.1	509.1	485.8	471.1	458.5	448.9	445.8
42.5°	1217.1	1255.5	1009.6	638.1	494.4	469.1	442.8	424.1	401.8	381.6	374.5
45°	1409.4	1422.0	1009.6	561.2	446.9	431.7	405.4	383.1	354.8	331.0	325.9
47.5°	1717.1	1676.6	1010.6	486.8	404.9	398.8	376.0	350.7	319.3	299.6	296.6
50°	2180.6	2038.4	1031.4	425.1	369.9	370.9	354.2	326.4	298.1	283.4	280.9
52.5°	2705.9	2484.3	1087.0	379.5	340.6	348.2	339.1	312.2	286.9	274.3	271.8
55°	3199.8	2894.2	1134.6	347.2	315.8	328.9	328.4	303.6	280.9	268.2	266.7
57.5°	3619.9	3175.0	1127.5	320.8	294.5	311.2	318.8	298.1	276.8	266.2	264.7
60°	3881.0	3323.8	1026.8	296.6	278.3	298.6	313.3	296.6	278.8	276.3	276.8
62.5°	3994.4	3296.5	833.5	278.3	267.7	292.5	319.3	307.2	297.6	303.6	307.2
65°	3818.2	3061.7	613.3	264.7	257.6	294.0	333.5	323.9	297.6	301.6	303.1
67.5°	3329.4	2606.2	443.3	251.0	244.9	298.6	353.7	321.4	280.4	280.4	277.3
70°	2399.2	1874.5	321.9	237.3	232.3	292.0	354.8	304.1	260.6	259.1	251.5
72.5°	1443.8	1105.7	251.0	222.2	213.1	259.1	332.5	283.9	241.4	228.7	219.6
75°	750.0	554.1	210.5	205.5	182.7	219.6	304.1	252.5	206.5	195.3	190.3
77.5°	321.4	259.1	180.7	183.2	151.8	184.7	245.4	218.6	183.2	169.0	164.5
80°	158.4	147.3	142.7	146.8	121.5	142.7	211.5	191.3	155.4	139.2	132.6
82.5°	90.6	86.0	102.7	104.2	86.5	119.4	178.6	161.9	128.5	110.8	100.2
85°	42.0	45.0	62.2	62.8	53.6	82.0	116.9	91.1	68.3	56.7	54.1
87.5°	16.7	19.7	27.3	26.8	15.7	15.2	10.1	5.6	4.6	4.0	3.5
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)