

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: P630312

Luminaire Tested: GWS-SA1D-735-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630312
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-SA1D-735-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5929.4 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

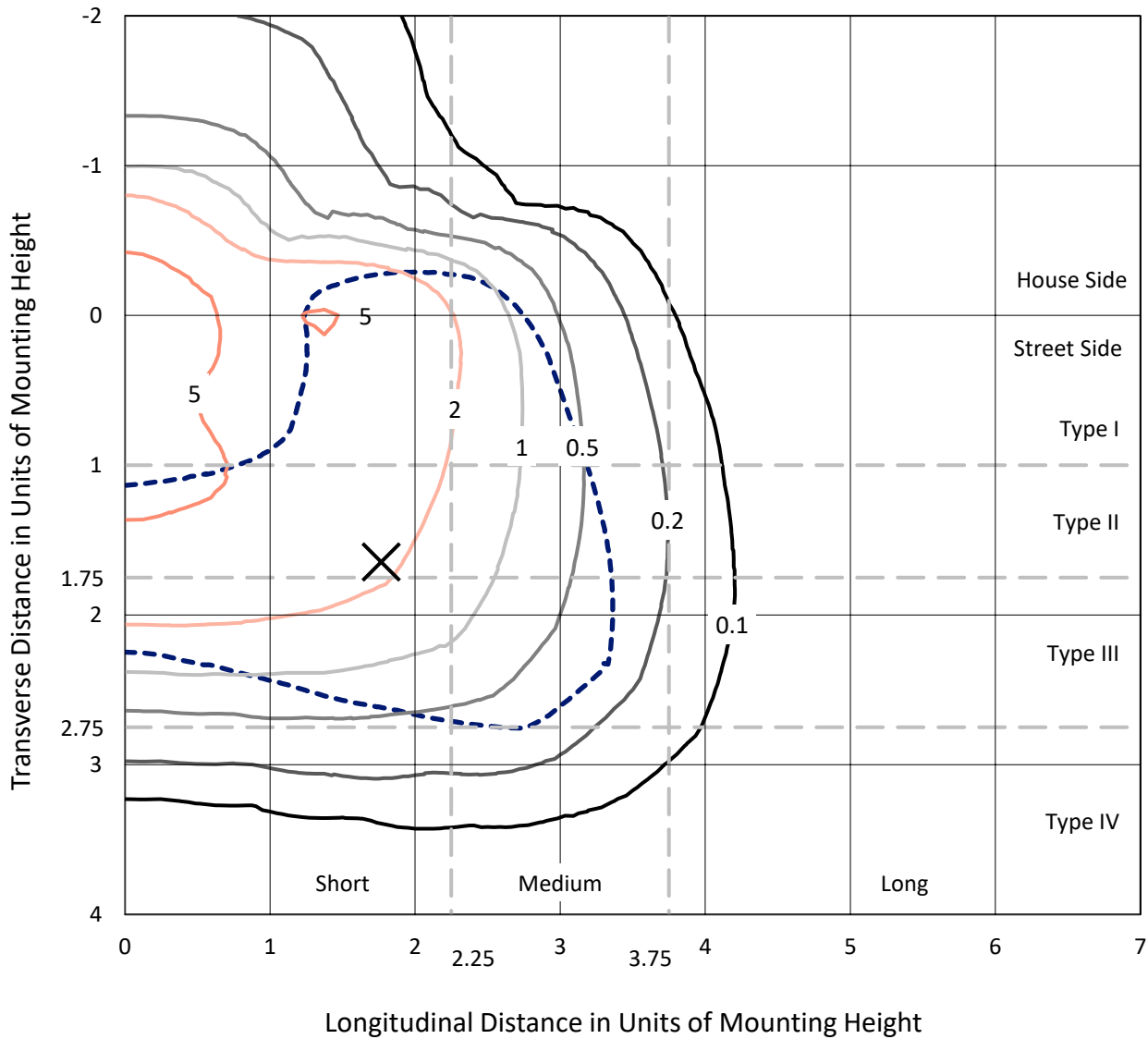
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

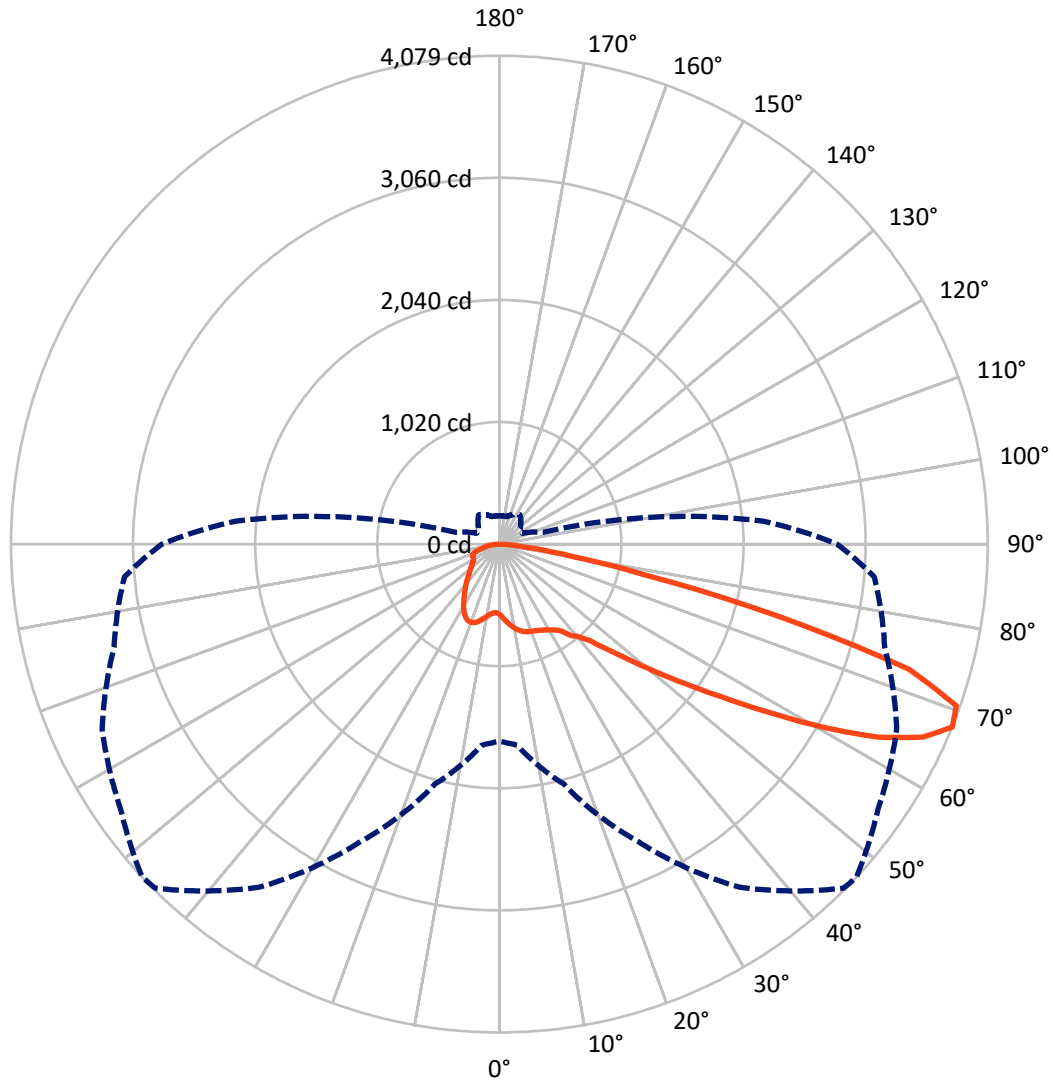
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.4 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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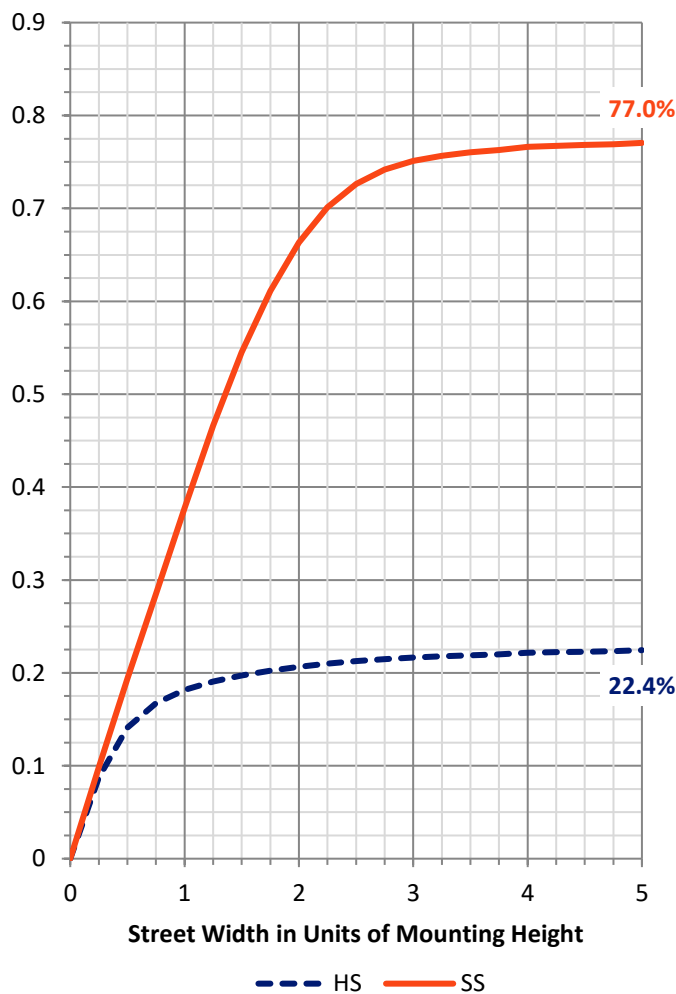
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1351.3	0.0	1351.3
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	4578.0	0.0	4578.0
	% Fixture	77.2	0.0	77.2
Total	Lumens	5929.4	0.0	5929.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.1	1.0
10°-20°	200.1	3.4
20°-30°	340.2	5.7
30°-40°	498.3	8.4
40°-50°	759.3	12.8
50°-60°	1358.5	22.9
60°-70°	1812.8	30.6
70°-80°	819.8	13.8
80°-90°	80.3	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°	5929.4	100.0
0°-180°	5929.4	100.0

Coefficient of Utilization



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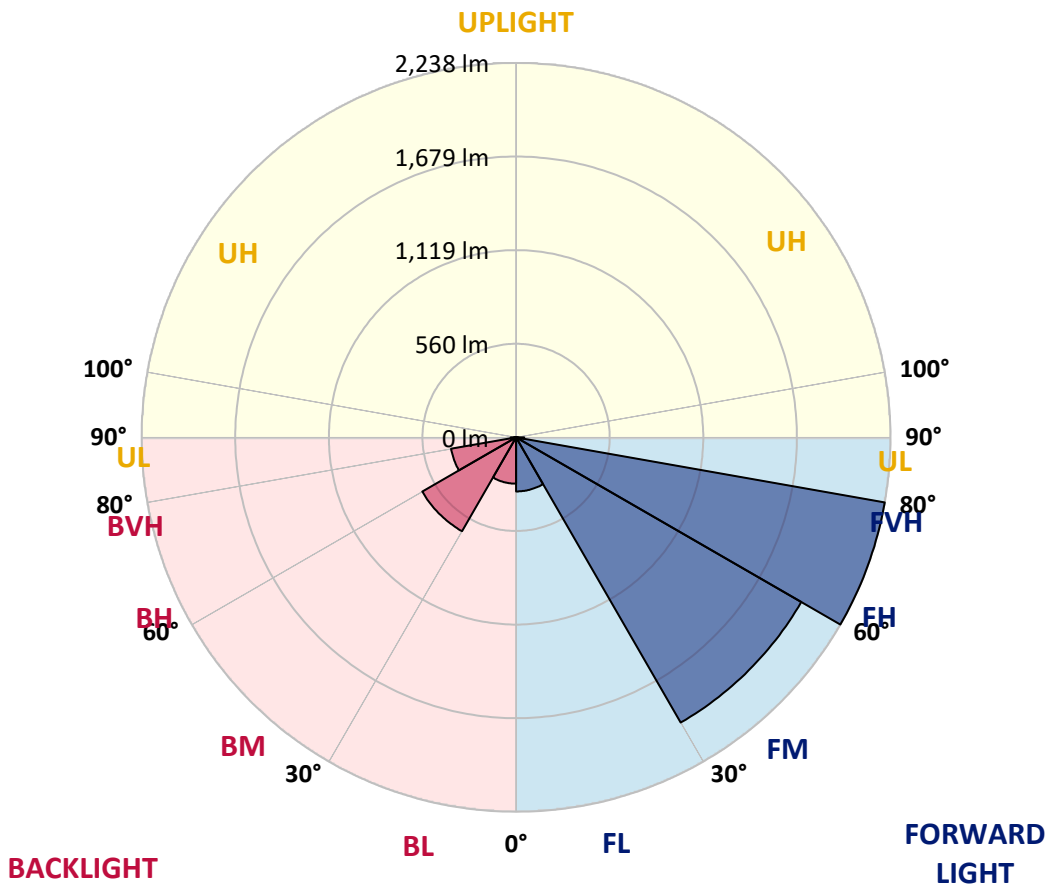
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	323.4	5.5			
FM (30°-60°)	1968.6	33.2			
FH (60°-80°)	2238.3	37.7			G2/5000
FVH (80°-90°)	47.8	0.8			G1/100
BL (0°-30°)	277.0	4.7	B1/500		
BM (30°-60°)	647.5	10.9	B1/1000		
BH (60°-80°)	394.3	6.6	B1/500		G1/500
BVH (80°-90°)	32.5	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°	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8
2.5°	626.8	628.9	628.5	625.1	622.9	619.1	619.5	613.5	604.5	598.5	591.6
5°	682.1	685.5	681.3	675.7	667.1	654.7	653.4	639.7	622.5	610.5	598.1
7.5°	730.1	732.3	727.1	717.7	705.3	688.5	685.5	669.3	647.8	628.9	610.9
10°	767.4	770.0	763.1	750.7	734.4	717.7	715.6	698.8	676.1	653.8	631.1
12.5°	799.2	800.0	792.7	776.0	758.4	741.3	739.1	723.7	702.7	680.0	655.1
15°	817.6	818.0	809.0	790.6	773.9	758.9	757.6	744.3	725.0	703.5	677.0
17.5°	816.3	817.2	810.7	794.4	779.9	770.9	769.6	761.0	746.0	726.7	700.1
20°	800.4	801.3	797.0	786.3	778.6	776.0	776.4	773.9	764.9	749.0	722.0
22.5°	788.0	789.3	785.4	777.7	776.9	782.9	784.2	785.4	781.1	767.0	740.8
25°	794.0	796.2	790.2	779.4	781.1	794.4	797.0	801.3	797.9	785.9	763.1
27.5°	835.6	836.9	821.4	799.6	794.4	808.6	812.4	819.3	816.7	805.6	788.0
30°	932.1	931.2	898.2	844.6	823.2	828.7	831.7	841.6	842.5	835.2	818.4
32.5°	1068.0	1063.7	1012.7	927.3	865.2	851.5	854.9	868.2	878.0	870.3	847.6
35°	1211.6	1207.7	1151.6	1051.7	942.8	895.2	891.3	901.6	916.6	895.2	862.6
37.5°	1348.4	1342.4	1284.9	1161.4	1038.4	971.9	966.4	956.1	947.1	905.9	881.0
40°	1500.1	1493.3	1443.1	1303.3	1143.9	1030.7	1016.5	975.8	967.6	941.5	929.1
42.5°	1662.2	1662.2	1620.6	1483.0	1271.2	1114.7	1096.3	1035.0	1043.5	1026.4	1011.8
45°	1824.3	1829.0	1796.0	1663.9	1441.4	1273.3	1243.8	1156.7	1177.3	1169.6	1162.3
47.5°	1962.3	1971.3	1964.9	1848.7	1649.8	1466.3	1421.2	1330.8	1374.9	1393.4	1414.0
50°	2111.1	2120.9	2114.5	2068.6	1893.7	1699.9	1659.6	1566.2	1642.0	1697.3	1764.7
52.5°	2331.9	2346.0	2292.4	2274.9	2190.0	1965.3	1929.3	1823.0	1960.6	2052.3	2202.4
55°	2518.4	2517.9	2499.1	2539.4	2508.1	2289.9	2250.0	2153.5	2329.3	2426.6	2646.1
57.5°	2605.0	2615.3	2680.0	2794.0	2856.6	2686.4	2648.3	2549.7	2725.0	2775.6	3012.7
60°	2649.6	2662.4	2787.6	3013.1	3181.6	3119.5	3104.4	2978.8	3077.4	3071.4	3321.8
62.5°	2587.0	2612.7	2813.8	3113.4	3413.6	3554.6	3549.9	3360.0	3377.1	3318.4	3513.5
65°	2299.7	2327.6	2643.1	3063.3	3546.0	3885.6	3886.9	3705.1	3607.3	3438.4	3481.3
67.5°	1644.6	1684.5	2074.6	2740.9	3499.3	4064.4	4079.4	3861.6	3661.4	3332.1	3143.5
70°	896.5	925.6	1231.3	1992.3	3078.3	4021.5	4049.4	3786.1	3423.0	2882.4	2419.8
72.5°	407.3	416.7	572.8	1093.3	2102.9	3461.6	3578.2	3378.8	2811.2	2129.1	1538.7
75°	186.5	190.8	249.5	523.1	1098.8	2316.4	2398.3	2516.7	1956.3	1344.5	802.2
77.5°	117.0	118.3	141.9	239.2	547.9	1156.3	1242.5	1498.4	1145.6	665.4	335.3
80°	69.0	70.3	88.3	129.5	257.2	529.1	610.9	592.5	538.5	287.3	152.6
82.5°	34.7	36.0	51.0	73.7	140.2	210.5	247.8	249.1	200.6	155.6	86.2
85°	12.4	12.9	16.7	29.2	59.6	69.5	77.6	94.7	98.2	90.5	41.6
87.5°	0.0	0.0	0.4	0.9	1.7	6.9	7.3	13.7	28.7	32.2	16.7
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°	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8
2.5°	589.5	583.1	580.9	578.8	575.4	574.1	571.5	568.9	568.9	566.4	565.1
5°	592.5	583.9	578.4	575.8	573.6	574.9	574.9	575.8	578.8	577.1	577.9
7.5°	603.2	593.4	585.6	583.5	583.5	588.6	592.1	596.4	601.9	602.8	602.8
10°	622.1	610.5	602.4	601.1	603.2	610.5	615.7	620.8	627.7	628.1	628.9
12.5°	642.7	631.1	622.9	624.7	626.8	636.2	641.8	646.1	653.0	653.0	652.5
15°	664.1	651.2	644.4	647.8	654.2	665.0	665.8	666.2	669.7	668.8	668.4
17.5°	686.4	672.7	667.5	672.7	679.5	684.7	680.4	674.4	673.1	671.4	670.5
20°	708.3	694.1	692.0	695.8	698.0	693.7	680.4	669.3	664.1	661.5	660.7
22.5°	727.1	715.1	713.8	713.8	703.1	688.1	668.4	653.4	646.5	643.1	642.2
25°	749.4	738.3	736.1	724.6	697.1	669.7	643.1	629.4	623.8	622.1	622.5
27.5°	775.6	767.9	761.0	728.0	680.0	637.1	607.1	601.1	598.9	601.1	602.4
30°	807.7	800.0	784.6	723.7	652.5	594.7	565.9	565.5	571.9	577.5	578.4
32.5°	833.9	830.5	805.2	710.0	613.9	547.9	523.5	525.2	536.8	544.5	545.8
35°	854.5	860.0	822.3	687.3	568.1	503.8	484.5	485.3	491.8	502.5	502.9
37.5°	883.6	902.5	837.7	652.5	515.3	465.6	448.0	441.6	440.7	443.7	444.6
40°	942.4	970.6	848.9	601.9	464.3	431.3	411.6	399.1	388.4	380.3	377.7
42.5°	1031.1	1063.7	855.3	540.6	418.9	397.4	375.1	359.3	340.4	323.3	317.3
45°	1194.0	1204.7	855.3	475.5	378.6	365.7	343.4	324.5	300.5	280.4	276.1
47.5°	1454.7	1420.4	856.2	412.4	343.0	337.8	318.5	297.1	270.5	253.8	251.2
50°	1847.4	1726.9	873.8	360.1	313.4	314.3	300.1	276.5	252.5	240.1	237.9
52.5°	2292.4	2104.6	920.9	321.5	288.5	295.0	287.3	264.5	243.1	232.4	230.2
55°	2710.9	2451.9	961.2	294.1	267.5	278.7	278.2	257.2	237.9	227.2	225.9
57.5°	3066.7	2689.9	955.2	271.8	249.5	263.7	270.1	252.5	234.5	225.5	224.2
60°	3287.9	2815.9	869.9	251.2	235.8	253.0	265.4	251.2	236.2	234.1	234.5
62.5°	3384.0	2792.8	706.1	235.8	226.8	247.8	270.5	260.2	252.1	257.2	260.2
65°	3234.8	2593.8	519.6	224.2	218.2	249.1	282.5	274.4	252.1	255.5	256.8
67.5°	2820.6	2208.0	375.6	212.7	207.5	253.0	299.7	272.2	237.5	237.5	234.9
70°	2032.6	1588.0	272.7	201.1	196.8	247.4	300.5	257.7	220.8	219.5	213.1
72.5°	1223.2	936.8	212.7	188.2	180.5	219.5	281.7	240.5	204.5	193.8	186.1
75°	635.4	469.5	178.4	174.1	154.8	186.1	257.7	213.9	174.9	165.5	161.2
77.5°	272.2	219.5	153.1	155.2	128.6	156.5	207.9	185.2	155.2	143.2	139.3
80°	134.2	124.8	120.9	124.3	102.9	120.9	179.2	162.1	131.6	117.9	112.3
82.5°	76.7	72.9	87.0	88.3	73.3	101.2	151.3	137.2	108.9	93.9	84.9
85°	35.6	38.2	52.7	53.2	45.4	69.5	99.0	77.2	57.9	48.0	45.9
87.5°	14.1	16.7	23.2	22.7	13.3	12.9	8.6	4.7	3.9	3.4	3.0
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)