

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: P631836

Luminaire Tested: GWS-SA2B-740-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631836
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-740-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6847 lumens
Efficiency: N/A
Efficacy: 147.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

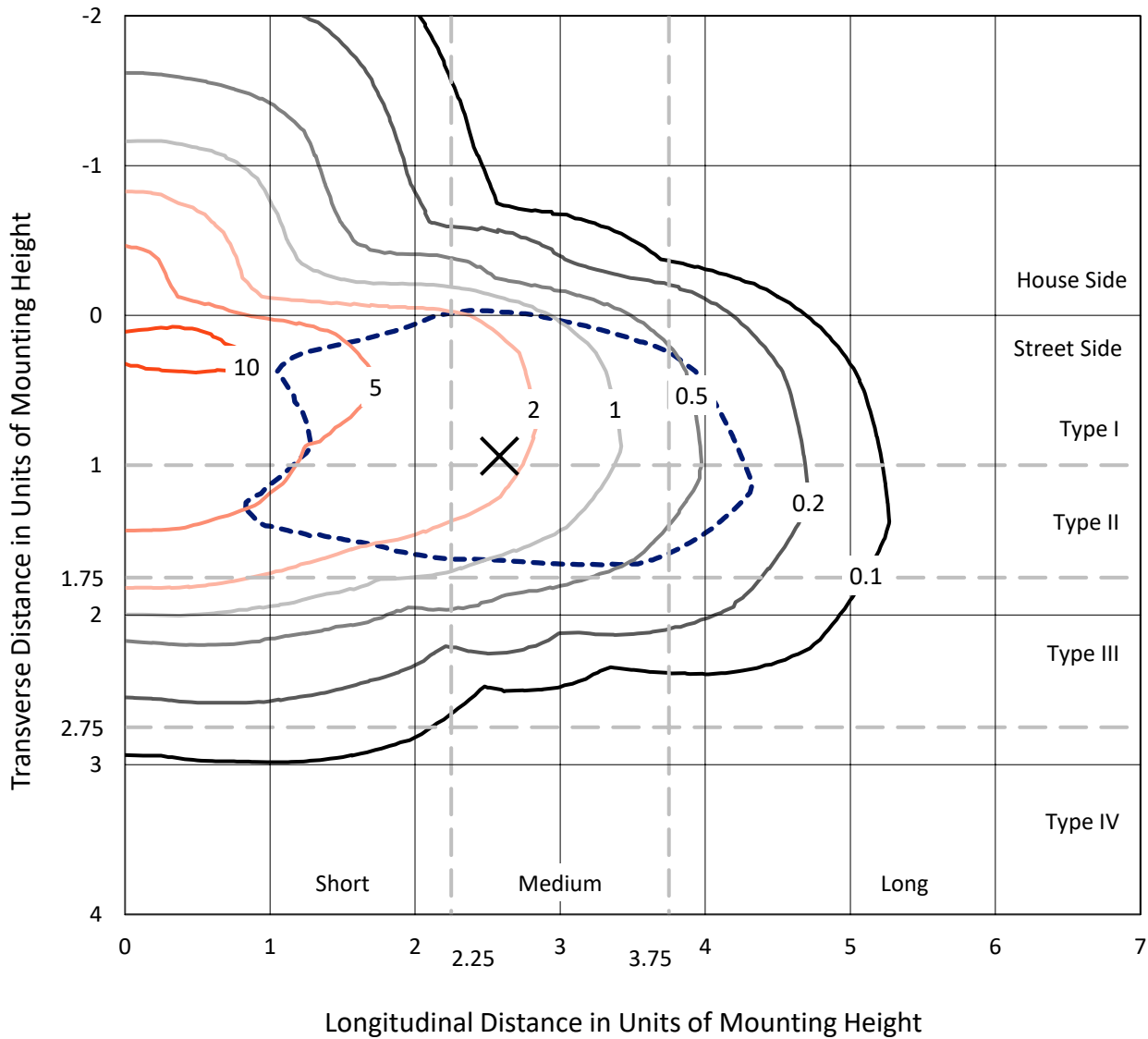
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

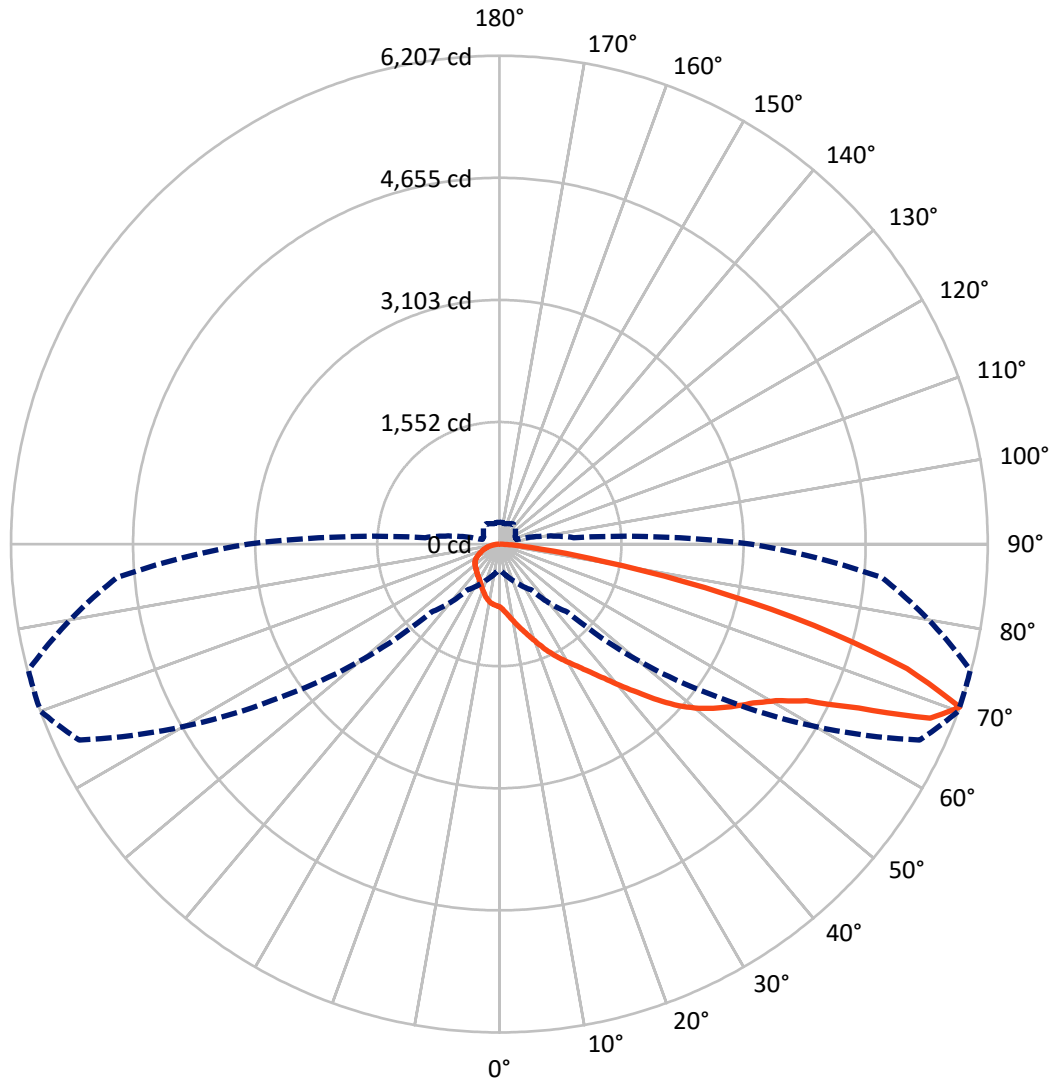
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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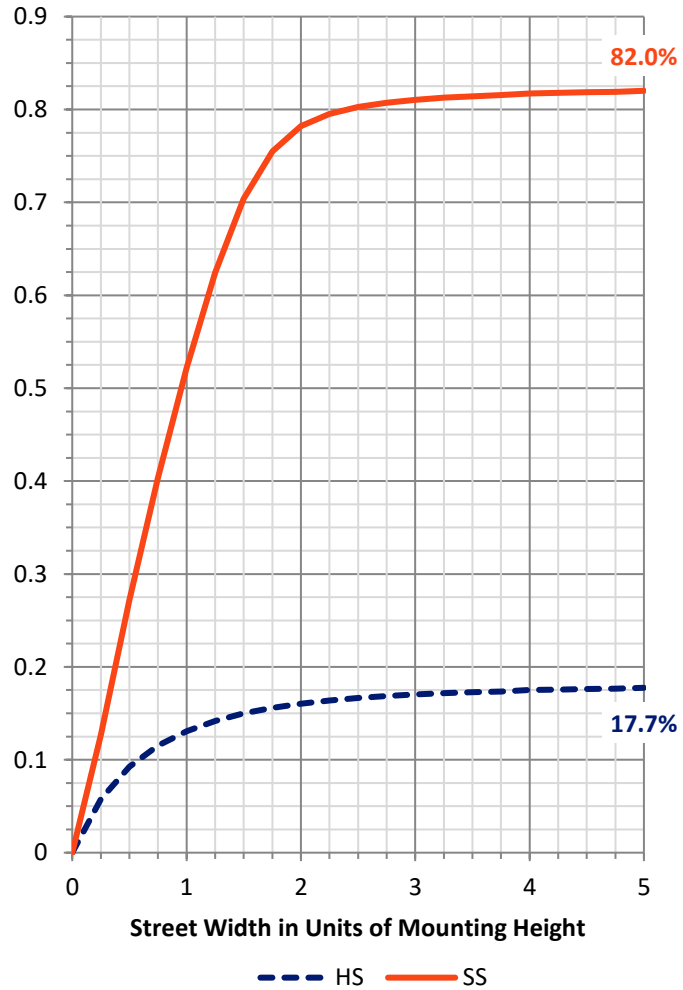
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1227.0	0.0	1227.0
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	5620.0	0.0	5620.0
	% Fixture	82.1	0.0	82.1
Total	Lumens	6847.0	0.0	6847.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.2	1.2
10°-20°	264.0	3.9
20°-30°	467.7	6.8
30°-40°	703.9	10.3
40°-50°	1064.9	15.6
50°-60°	1525.6	22.3
60°-70°	1686.3	24.6
70°-80°	951.6	13.9
80°-90°	101.8	1.5
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°	6847.0	100.0
0°-180°	6847.0	100.0

Coefficient of Utilization



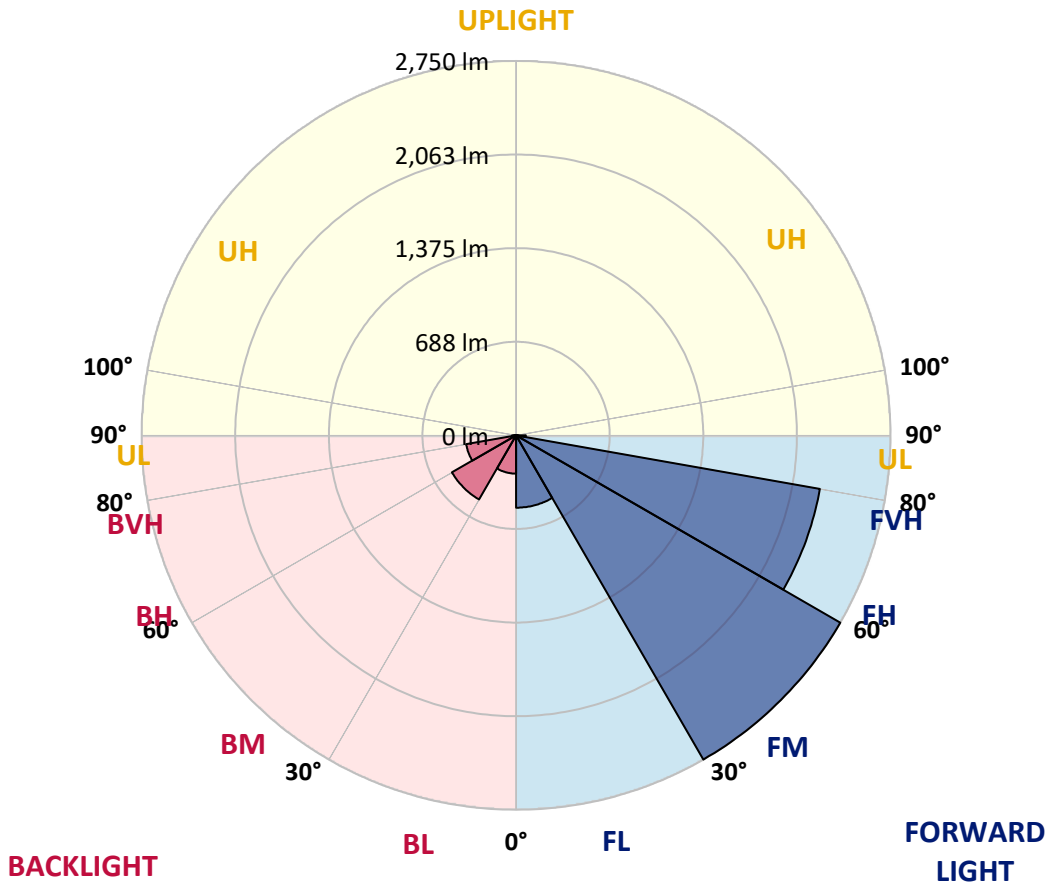
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	531.5	7.8			
FM (30°-60°)	2750.4	40.2			
FH (60°-80°)	2266.1	33.1			G2/5000
FVH (80°-90°)	72.0	1.1			G1/100
BL (0°-30°)	281.3	4.1	B1/500		
BM (30°-60°)	543.9	7.9	B1/1000		
BH (60°-80°)	371.9	5.4	B1/500		G1/500
BVH (80°-90°)	29.8	0.4			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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	798.5	798.5	798.5	798.5	798.5	798.5	798.5	798.5	798.5	798.5	798.5
2.5°	884.6	883.1	884.1	883.1	877.7	864.3	853.4	839.6	830.2	824.7	811.9
5°	988.5	987.0	983.5	978.6	968.7	950.4	923.2	893.0	874.7	860.8	833.6
7.5°	1063.2	1063.2	1062.7	1056.8	1049.8	1030.5	998.4	958.8	932.1	908.3	863.8
10°	1101.3	1103.8	1107.2	1115.6	1114.1	1103.8	1073.6	1031.0	997.4	969.7	903.4
12.5°	1122.1	1123.5	1129.5	1146.8	1164.6	1167.1	1149.3	1104.7	1068.1	1031.0	947.4
15°	1148.8	1149.3	1157.2	1178.0	1204.2	1230.4	1226.0	1181.4	1143.8	1102.8	996.4
17.5°	1169.6	1173.0	1187.4	1211.6	1244.3	1280.4	1302.1	1274.4	1227.9	1180.9	1049.8
20°	1177.0	1179.4	1198.2	1235.4	1279.9	1330.8	1379.3	1371.9	1324.9	1269.5	1110.2
22.5°	1203.7	1203.7	1217.5	1248.7	1301.2	1375.4	1454.0	1473.3	1431.8	1367.0	1175.0
25°	1262.6	1260.6	1267.0	1279.9	1319.5	1411.0	1527.7	1585.6	1539.1	1466.4	1239.8
27.5°	1343.2	1342.2	1341.7	1343.7	1357.1	1442.2	1590.1	1690.5	1644.0	1561.9	1297.7
30°	1430.8	1427.8	1434.2	1428.3	1425.3	1479.3	1643.0	1784.5	1748.4	1656.4	1345.7
32.5°	1550.0	1544.6	1543.1	1523.8	1511.9	1537.1	1685.6	1891.4	1862.7	1758.3	1399.6
35°	1707.3	1702.4	1677.2	1646.5	1611.4	1623.2	1738.5	1995.8	1997.7	1885.9	1470.4
37.5°	1866.1	1867.1	1847.3	1775.1	1739.0	1732.1	1819.1	2122.9	2165.5	2038.3	1561.9
40°	1998.2	2004.2	2004.2	1928.0	1874.1	1867.6	1932.4	2273.8	2358.4	2225.3	1677.6
42.5°	2098.7	2104.1	2121.4	2066.5	2009.6	2031.9	2070.0	2425.2	2577.1	2456.4	1824.1
45°	2209.0	2213.4	2222.8	2191.2	2158.0	2217.4	2225.8	2606.3	2827.4	2715.6	1994.3
47.5°	2355.4	2351.5	2352.5	2329.2	2303.5	2399.5	2397.5	2758.6	3069.3	2999.6	2178.8
50°	2537.5	2544.9	2538.0	2492.0	2461.8	2549.4	2560.7	2927.3	3282.1	3280.6	2364.8
52.5°	2712.6	2715.6	2752.2	2754.2	2692.3	2674.0	2703.7	3097.5	3461.7	3537.8	2543.4
55°	2721.5	2732.9	2842.7	2921.9	3021.8	2874.9	2848.2	3259.8	3635.3	3789.7	2729.0
57.5°	2532.1	2550.4	2736.9	2907.6	3185.6	3219.7	3095.6	3469.6	3809.0	4037.5	2943.7
60°	2127.4	2165.5	2418.8	2680.0	3111.9	3467.6	3601.7	3754.5	4037.0	4290.8	3204.4
62.5°	1358.5	1373.4	1728.6	2165.9	2779.9	3443.4	4152.8	4256.7	4384.3	4620.8	3606.1
65°	680.3	727.8	936.0	1292.7	2004.7	3034.2	4431.3	5176.4	5020.1	5185.8	4257.2
67.5°	461.6	476.9	582.3	776.7	1175.5	2149.6	4258.7	5951.2	5905.2	5932.4	4951.3
70°	340.4	350.3	433.4	550.1	710.9	1220.5	3390.4	5892.8	6206.9	6197.0	4878.6
72.5°	248.4	253.3	316.1	420.0	526.9	631.3	2070.5	4760.3	5418.3	5703.8	4266.6
75°	180.6	186.5	219.7	314.2	409.6	393.8	1022.1	3438.4	4132.0	4681.2	3476.0
77.5°	134.6	142.0	157.3	196.9	286.9	282.0	441.8	2232.7	2672.6	3057.5	2111.5
80°	97.0	98.5	107.4	126.2	182.1	165.2	210.3	1164.1	1334.8	1462.4	827.7
82.5°	58.9	60.4	71.7	77.7	112.8	103.9	109.3	377.0	540.3	573.4	309.2
85°	17.3	18.3	32.7	35.6	47.0	44.5	44.0	153.4	183.1	234.0	121.7
87.5°	0.0	0.0	0.0	0.0	0.5	3.0	5.4	27.2	41.1	56.9	29.7
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°	798.5	798.5	798.5	798.5	798.5	798.5	798.5	798.5	798.5	798.5	798.5
2.5°	806.9	795.5	789.6	779.2	771.8	764.4	756.9	750.0	747.0	742.6	743.6
5°	821.3	803.4	785.6	765.4	748.0	733.7	720.8	709.4	704.5	700.0	702.0
7.5°	843.0	816.3	782.2	745.1	717.9	698.1	684.7	676.8	674.3	670.9	670.9
10°	870.7	830.7	770.8	717.9	685.2	669.4	663.4	662.9	665.4	665.9	664.9
12.5°	901.4	844.5	754.0	685.7	658.0	653.0	657.5	665.9	674.3	678.8	677.8
15°	933.1	853.4	725.3	655.0	638.2	644.6	659.0	675.8	692.1	700.5	700.0
17.5°	962.8	855.4	688.2	625.3	620.9	637.2	662.0	688.2	710.4	722.3	722.8
20°	995.9	851.9	650.1	598.6	603.6	630.3	662.9	694.6	720.8	732.7	735.7
22.5°	1026.1	840.1	613.0	573.4	588.7	621.9	655.0	684.7	708.0	719.3	723.3
25°	1053.3	817.3	572.4	552.1	577.4	610.0	635.2	656.0	672.3	679.3	684.7
27.5°	1068.1	783.2	541.7	535.3	566.5	593.2	607.0	613.5	618.9	616.9	620.9
30°	1071.1	740.6	515.0	521.9	550.1	569.9	572.9	566.5	557.1	541.7	545.2
32.5°	1068.1	691.6	492.8	507.6	531.8	543.7	539.8	522.9	500.2	476.4	477.9
35°	1069.1	642.2	474.5	491.8	510.6	517.0	507.1	483.9	459.6	437.8	436.9
37.5°	1080.0	600.6	459.1	476.4	489.8	490.8	479.9	455.7	443.3	427.0	425.0
40°	1110.2	569.9	445.3	461.1	469.5	469.0	456.6	439.3	447.7	442.3	440.8
42.5°	1159.7	551.1	433.9	444.8	450.7	451.7	441.8	430.9	449.2	442.3	439.8
45°	1239.3	550.1	426.0	428.4	437.8	444.8	437.8	425.5	432.4	398.8	392.3
47.5°	1333.8	567.0	420.0	414.1	430.4	442.8	431.9	412.1	397.8	367.1	362.6
50°	1447.6	601.1	414.6	398.8	419.5	435.4	424.5	397.3	375.5	359.2	356.7
52.5°	1582.7	646.1	407.7	381.4	403.2	431.4	424.5	395.8	367.1	352.3	349.8
55°	1724.2	698.1	399.7	360.7	384.9	432.4	427.9	385.4	360.7	352.7	350.8
57.5°	1899.8	760.4	385.4	336.4	368.6	423.5	414.1	379.5	356.2	349.8	347.8
60°	2127.9	852.9	358.2	311.7	349.8	407.7	401.7	369.6	344.3	338.9	337.4
62.5°	2489.0	1009.8	325.0	287.9	327.5	374.5	383.4	350.8	329.5	329.0	328.5
65°	3077.7	1198.2	286.0	266.7	304.3	347.3	359.2	331.5	314.2	319.6	319.1
67.5°	3490.4	1214.6	253.8	244.4	277.1	317.6	334.9	311.7	292.9	303.3	302.8
70°	3197.0	947.4	226.1	221.1	247.9	285.5	308.7	286.9	268.1	278.0	276.1
72.5°	2696.3	726.3	199.9	196.9	218.2	251.8	275.1	262.2	242.4	242.4	238.0
75°	2166.9	599.1	172.2	170.7	185.0	217.7	243.9	222.1	203.8	202.8	199.9
77.5°	1242.8	392.8	144.5	143.5	147.9	182.1	189.5	185.0	171.2	164.7	162.8
80°	495.2	204.3	113.8	107.4	111.8	133.6	149.4	142.0	130.1	122.2	117.7
82.5°	192.0	102.4	80.1	70.3	76.7	96.5	108.3	105.9	98.0	80.1	75.2
85°	78.2	50.0	48.0	40.6	44.5	51.9	62.3	53.9	44.5	31.7	30.2
87.5°	20.8	18.3	17.8	10.9	8.4	2.5	0.5	0.0	0.0	0.0	0.0
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)