

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: P630243

Luminaire Tested: GWS-SA1D-730-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630243
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-730-U-T2R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4859.7 lumens
Efficiency: N/A
Efficacy: 109.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

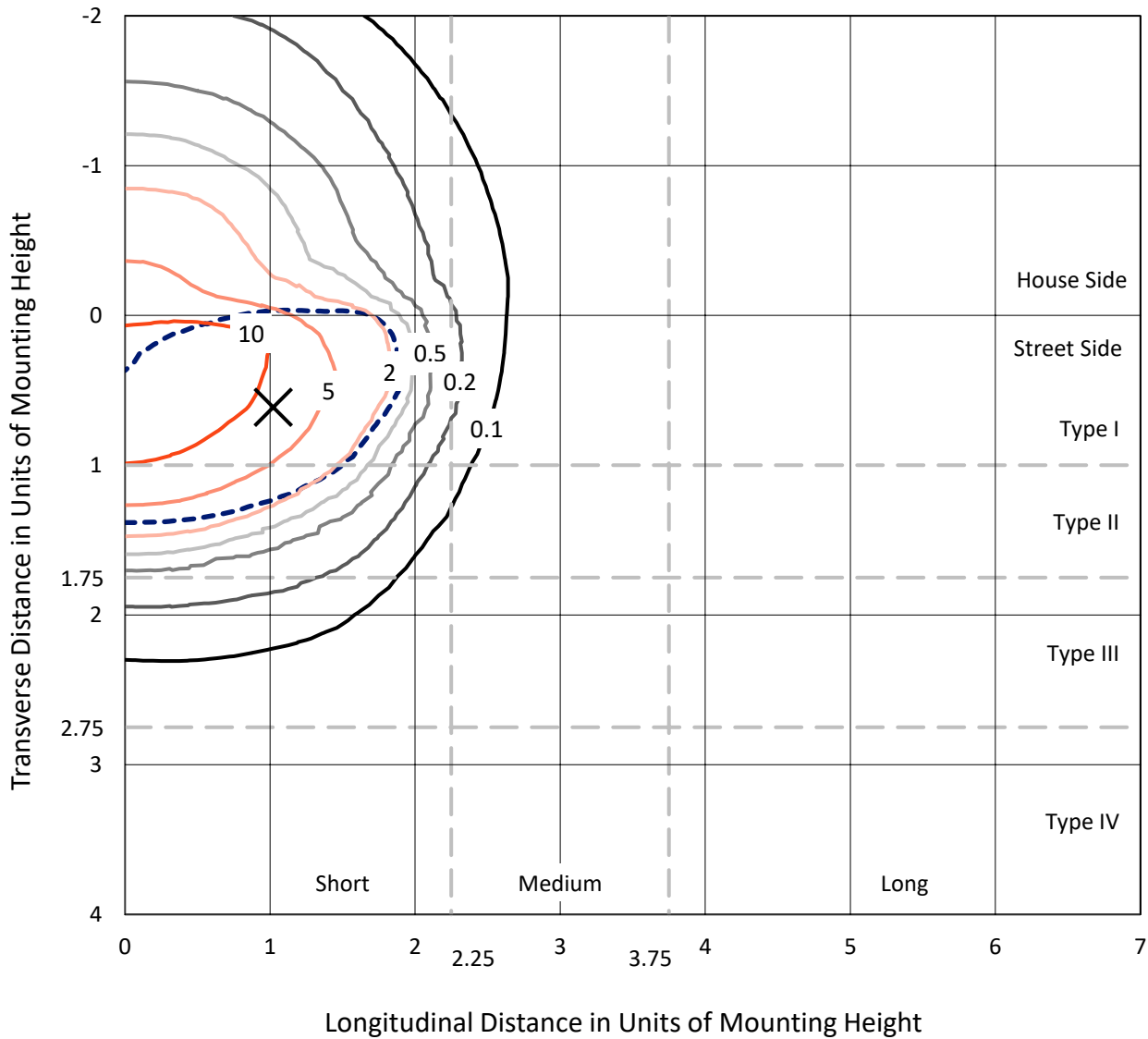


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Iso-Footcandle Lines of Horizontal Illumination

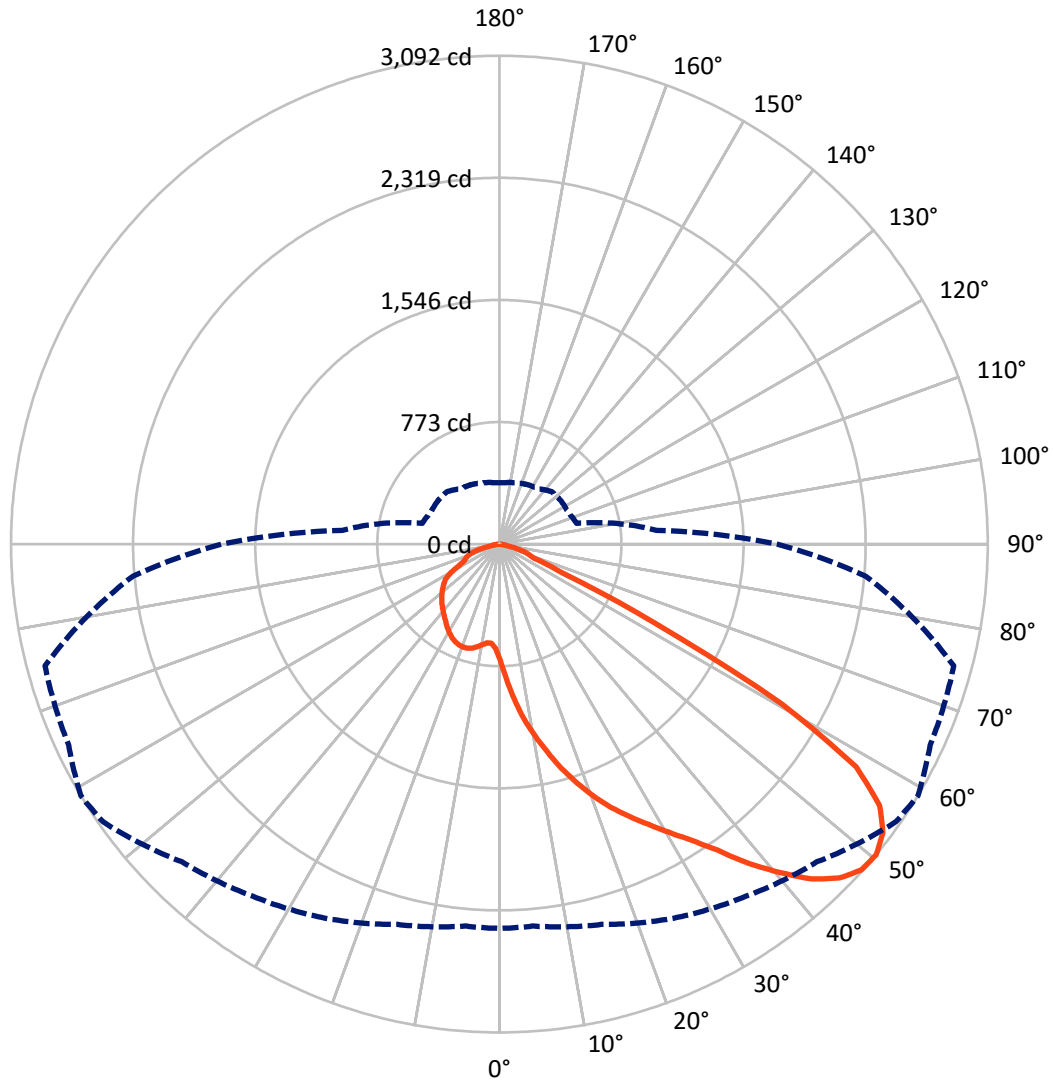
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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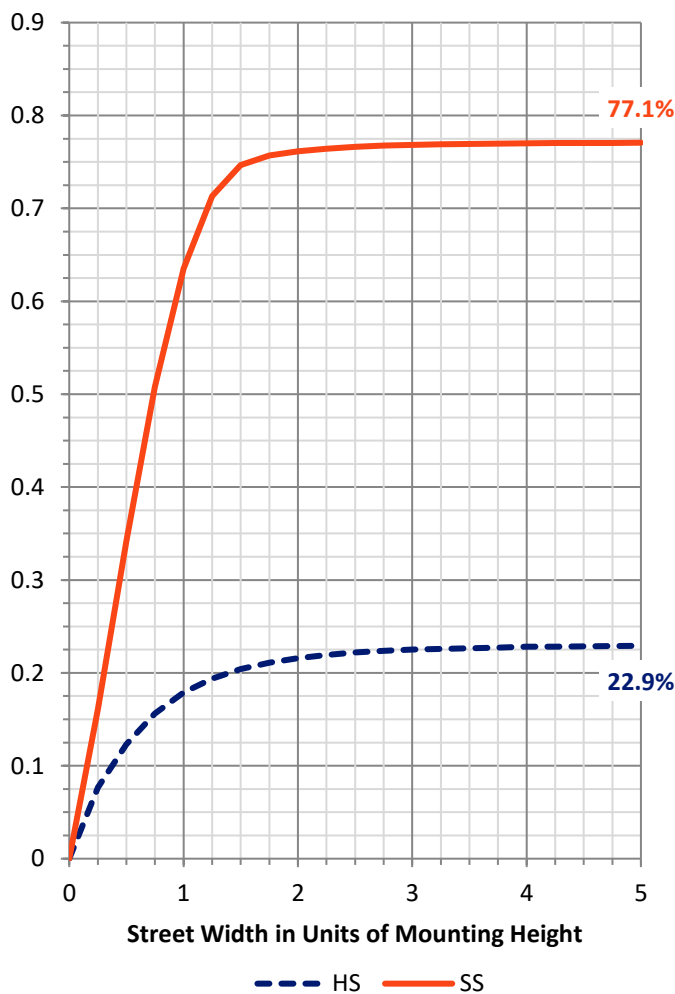
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1117.8	0.0	1117.8
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	3741.9	0.0	3741.9
	% Fixture	77.0	0.0	77.0
Total	Lumens	4859.7	0.0	4859.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.6	1.7
10°-20°	299.8	6.2
20°-30°	567.8	11.7
30°-40°	941.6	19.4
40°-50°	1286.2	26.5
50°-60°	1167.6	24.0
60°-70°	388.8	8.0
70°-80°	113.4	2.3
80°-90°	11.9	0.2
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°	4859.7	100.0
0°-180°	4859.7	100.0

Coefficient of Utilization



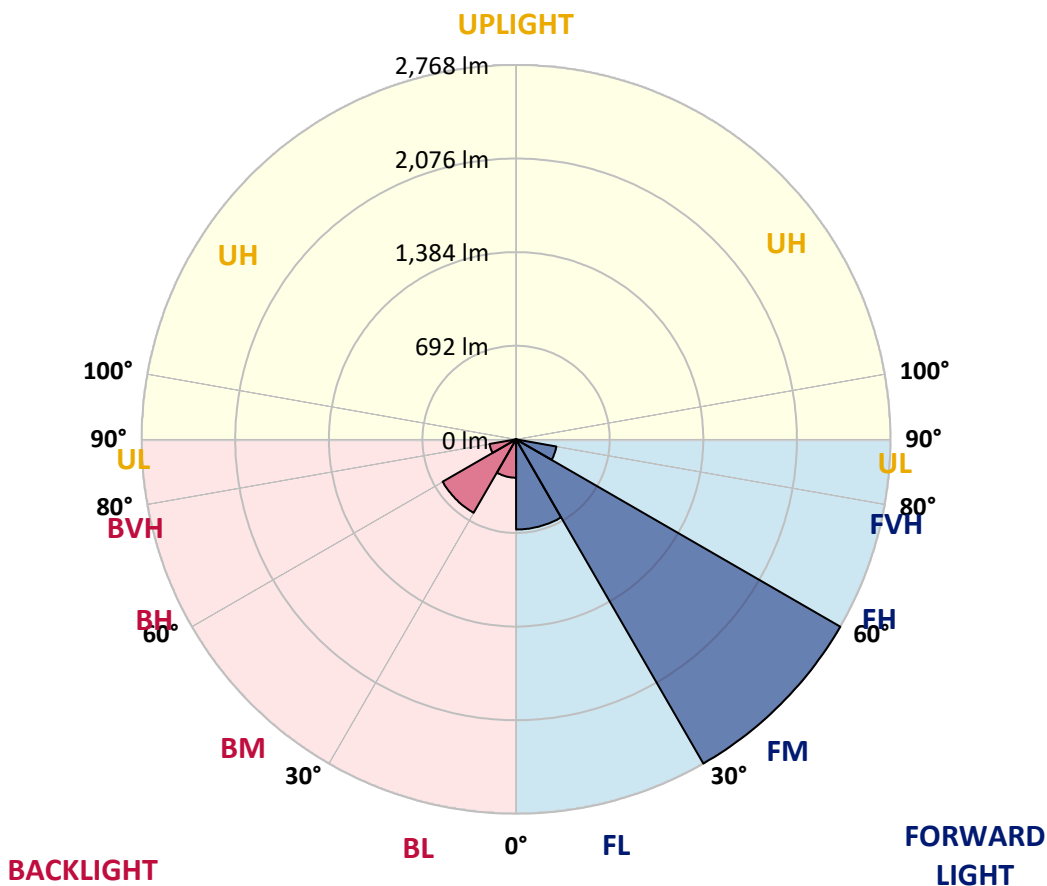
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	666.4	13.7			
FM (30°-60°)	2768.1	57.0			
FH (60°-80°)	302.7	6.2			G0/660
FVH (80°-90°)	4.7	0.1			G0/10
BL (0°-30°)	283.8	5.8	B1/500		
BM (30°-60°)	627.2	12.9	B1/1000		
BH (60°-80°)	199.5	4.1	B1/500		G1/500
BVH (80°-90°)	7.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	736.3	736.3	736.3	736.3	736.3	736.3	736.3	736.3	736.3	736.3	736.3
2.5°	954.0	961.1	950.0	950.8	923.1	910.5	874.8	853.8	840.0	801.2	766.0
5°	1146.4	1138.1	1129.4	1124.2	1100.1	1066.0	1021.7	986.5	954.0	878.0	804.8
7.5°	1264.3	1260.0	1254.0	1250.9	1227.1	1191.5	1147.2	1117.1	1070.0	967.1	851.9
10°	1364.5	1359.3	1355.8	1358.2	1338.8	1315.8	1267.5	1233.1	1180.0	1061.3	908.9
12.5°	1442.1	1444.8	1446.0	1458.7	1450.4	1436.5	1386.7	1350.2	1291.3	1160.6	975.8
15°	1503.4	1502.6	1516.5	1540.6	1554.1	1545.4	1505.4	1474.9	1402.9	1258.4	1047.8
17.5°	1517.7	1518.5	1540.2	1582.6	1626.5	1647.9	1625.4	1588.9	1517.7	1355.0	1122.6
20°	1529.2	1530.7	1553.3	1601.6	1665.7	1725.5	1729.1	1702.9	1641.6	1459.5	1198.6
22.5°	1601.6	1605.2	1611.1	1641.6	1699.4	1775.0	1816.6	1811.0	1759.5	1569.1	1280.6
25°	1792.0	1781.3	1752.4	1743.7	1765.9	1827.2	1898.1	1908.8	1883.4	1689.9	1368.8
27.5°	2027.1	2015.7	1972.9	1927.8	1879.9	1901.3	1976.9	2008.9	2009.3	1822.9	1457.5
30°	2240.5	2231.4	2196.6	2132.0	2049.3	2018.4	2074.2	2117.4	2143.1	1976.5	1558.5
32.5°	2423.0	2414.7	2367.6	2314.9	2234.2	2172.0	2192.2	2233.8	2293.9	2175.2	1683.9
35°	2576.6	2568.3	2523.1	2470.1	2395.3	2358.1	2350.9	2379.4	2457.4	2382.6	1828.0
37.5°	2701.3	2693.0	2645.9	2596.0	2539.0	2541.3	2552.0	2565.9	2610.6	2604.7	1982.0
40°	2782.0	2773.3	2739.7	2704.0	2668.0	2696.5	2749.6	2732.9	2756.7	2784.0	2123.7
42.5°	2818.0	2807.0	2787.6	2779.7	2768.6	2812.9	2915.0	2898.4	2869.9	2903.6	2229.0
45°	2782.0	2772.5	2772.1	2796.3	2822.0	2879.0	3029.4	3016.0	2943.9	2961.3	2292.0
47.5°	2671.6	2663.3	2685.8	2749.2	2812.5	2895.6	3080.5	3082.9	2996.6	2985.5	2332.7
50°	2432.9	2427.3	2492.7	2612.6	2721.9	2843.8	3064.3	3091.6	3009.2	2978.0	2327.6
52.5°	1947.6	1973.3	2115.4	2315.7	2527.9	2752.7	3004.1	3039.7	2948.3	2928.5	2299.9
55°	1333.2	1345.1	1487.2	1779.7	2116.2	2555.6	2865.9	2921.0	2876.2	2920.2	2328.8
57.5°	690.4	699.9	811.9	1071.6	1435.3	2019.6	2482.4	2662.9	2731.0	2962.1	2418.6
60°	283.4	291.3	337.7	463.1	724.0	1176.1	1786.5	2054.1	2214.0	2705.2	2147.9
62.5°	205.8	209.8	232.0	276.3	379.2	576.4	1011.0	1109.6	1222.0	1695.4	1363.7
65°	173.4	177.7	195.5	222.5	276.7	353.5	431.9	434.2	478.6	690.8	505.5
67.5°	145.3	149.2	165.1	188.0	223.7	251.0	232.0	232.4	231.6	250.6	242.3
70°	113.2	116.4	132.2	156.8	175.4	161.1	181.3	200.7	192.4	199.9	211.4
72.5°	82.7	86.3	100.1	118.8	114.0	114.8	146.9	166.7	161.9	170.2	180.9
75°	59.8	62.1	69.3	59.4	62.5	75.6	103.3	114.0	118.8	125.9	135.4
77.5°	19.4	19.4	21.8	27.3	34.0	42.0	52.6	57.0	64.1	72.0	78.8
80°	9.9	10.3	12.3	15.0	19.0	24.1	30.9	32.9	36.4	40.8	43.5
82.5°	4.8	5.1	5.9	7.5	9.9	12.7	17.0	19.0	21.4	24.1	26.1
85°	1.2	1.2	1.6	2.4	3.2	4.8	6.3	7.5	9.5	11.5	12.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.4	1.2	1.6	2.0	2.4	3.2
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°	736.3	736.3	736.3	736.3	736.3	736.3	736.3	736.3	736.3	736.3	736.3
2.5°	750.1	728.0	699.5	675.3	653.2	636.1	621.5	614.4	607.6	602.9	604.5
5°	770.7	732.7	679.7	642.9	620.3	608.8	600.9	596.9	596.1	593.0	591.8
7.5°	800.8	746.6	675.7	638.5	623.5	617.5	613.2	610.8	612.0	608.8	607.6
10°	838.0	769.5	685.6	652.8	639.7	635.3	630.6	627.4	625.8	621.1	620.3
12.5°	884.3	798.0	703.4	671.0	657.9	650.4	644.0	638.5	634.9	629.0	627.4
15°	934.2	829.7	724.4	688.8	673.3	662.3	652.0	643.7	637.3	629.4	628.2
17.5°	988.4	863.0	741.8	701.0	681.3	666.6	651.6	639.3	630.6	620.3	619.1
20°	1045.0	896.6	754.9	707.0	681.7	661.9	641.7	625.4	614.4	604.1	603.3
22.5°	1103.6	927.5	762.8	705.4	675.3	650.8	626.6	608.4	595.4	583.1	582.3
25°	1162.6	957.2	764.8	699.1	662.7	634.1	610.0	588.6	574.0	560.1	558.5
27.5°	1222.4	982.1	760.0	686.4	645.6	614.8	590.6	569.6	554.6	540.7	538.4
30°	1286.1	1003.5	749.7	669.8	625.8	594.2	570.4	554.6	540.3	526.5	524.1
32.5°	1354.2	1022.1	735.1	649.6	602.9	573.6	556.2	541.9	527.7	515.4	513.0
35°	1435.3	1034.4	713.3	623.5	581.5	558.5	546.7	530.0	512.6	499.2	498.0
37.5°	1519.3	1043.9	687.2	598.5	562.9	549.8	539.9	517.4	495.6	479.4	477.4
40°	1600.4	1051.8	654.7	575.2	545.9	543.5	530.0	501.9	464.3	446.1	444.5
42.5°	1676.0	1054.1	620.7	550.2	530.4	529.2	514.2	470.7	441.8	430.3	428.7
45°	1727.9	1052.2	585.5	526.9	515.0	508.7	492.8	448.1	430.3	420.0	418.0
47.5°	1766.3	1041.9	545.9	502.3	497.6	488.9	454.8	433.9	417.2	406.9	405.0
50°	1759.5	999.1	505.9	478.6	476.6	469.1	427.1	416.0	401.4	390.3	388.7
52.5°	1724.7	918.0	465.1	452.5	456.4	441.8	407.3	394.7	382.0	369.3	366.6
55°	1733.4	859.4	434.2	427.1	434.2	401.0	385.2	371.7	359.8	347.6	345.2
57.5°	1771.4	801.6	401.4	399.8	407.3	369.7	356.7	339.6	322.6	312.7	312.7
60°	1487.6	584.3	343.6	347.6	364.6	344.4	332.9	315.5	296.9	288.2	288.2
62.5°	879.6	366.6	285.0	280.7	291.3	304.0	310.3	296.1	273.9	262.4	262.8
65°	387.5	266.8	251.4	247.8	244.6	253.3	270.8	271.9	248.6	235.1	235.5
67.5°	238.7	241.5	235.1	232.4	229.6	228.0	226.4	227.2	220.9	208.6	208.2
70°	215.3	222.9	218.5	216.1	212.6	209.8	200.3	184.9	174.2	171.0	174.6
72.5°	185.3	195.5	193.2	192.0	187.6	180.9	168.2	153.2	140.5	132.6	134.2
75°	139.7	148.0	149.2	149.6	144.9	138.5	125.5	112.8	101.7	93.4	95.4
77.5°	80.4	85.1	86.3	87.5	83.9	81.5	72.8	63.7	57.8	49.1	51.5
80°	44.7	46.7	46.7	47.1	45.1	42.4	36.4	31.3	28.5	24.5	24.9
82.5°	26.9	27.7	28.1	28.5	27.3	24.5	20.2	16.6	15.0	13.1	12.7
85°	13.1	13.9	13.9	14.3	12.3	10.7	8.3	6.3	5.5	4.0	4.4
87.5°	3.2	3.6	3.6	3.2	2.8	2.0	1.2	0.4	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)