

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: P634528

Luminaire Tested: GWS-SA3B-830-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634528
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-830-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4908.1 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

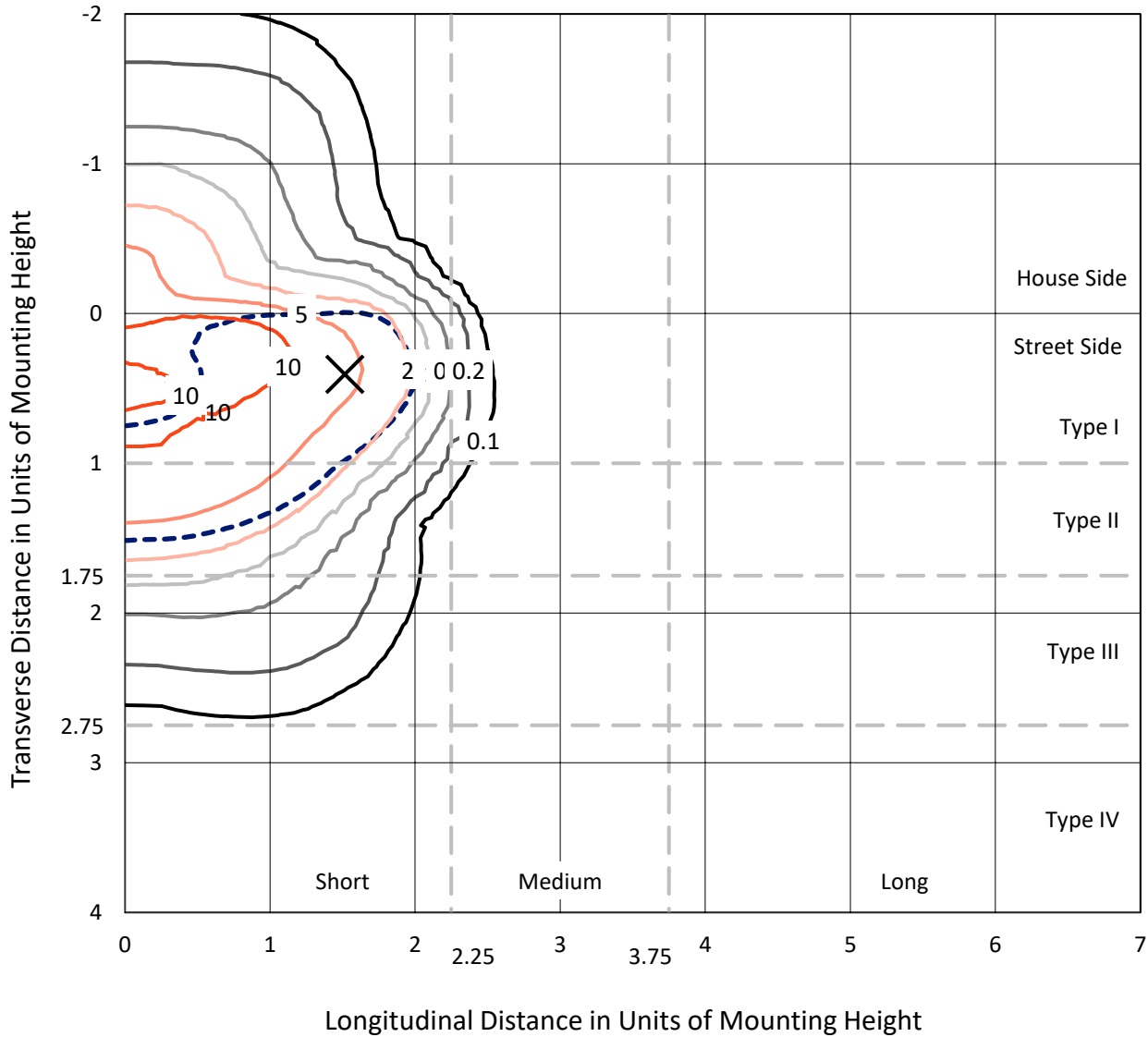
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

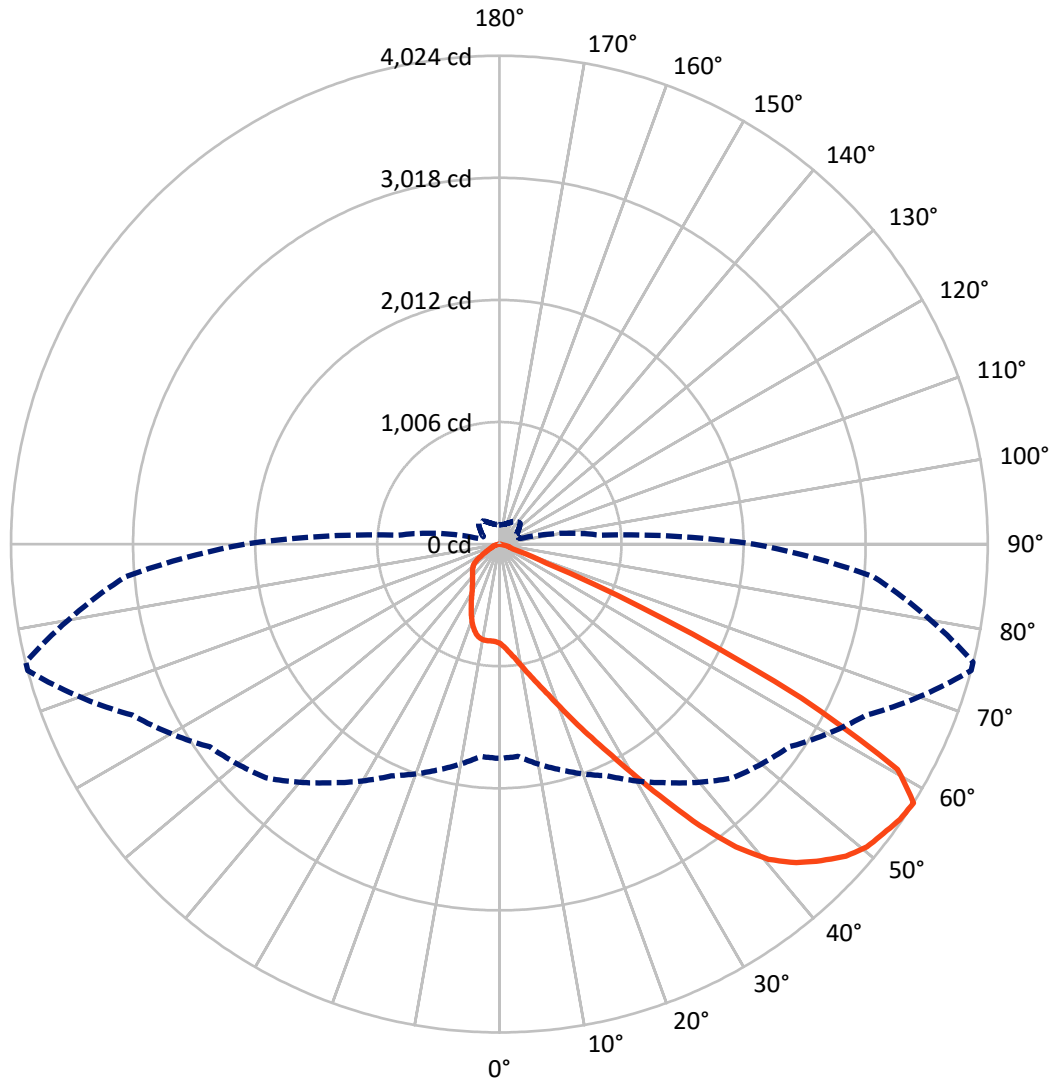
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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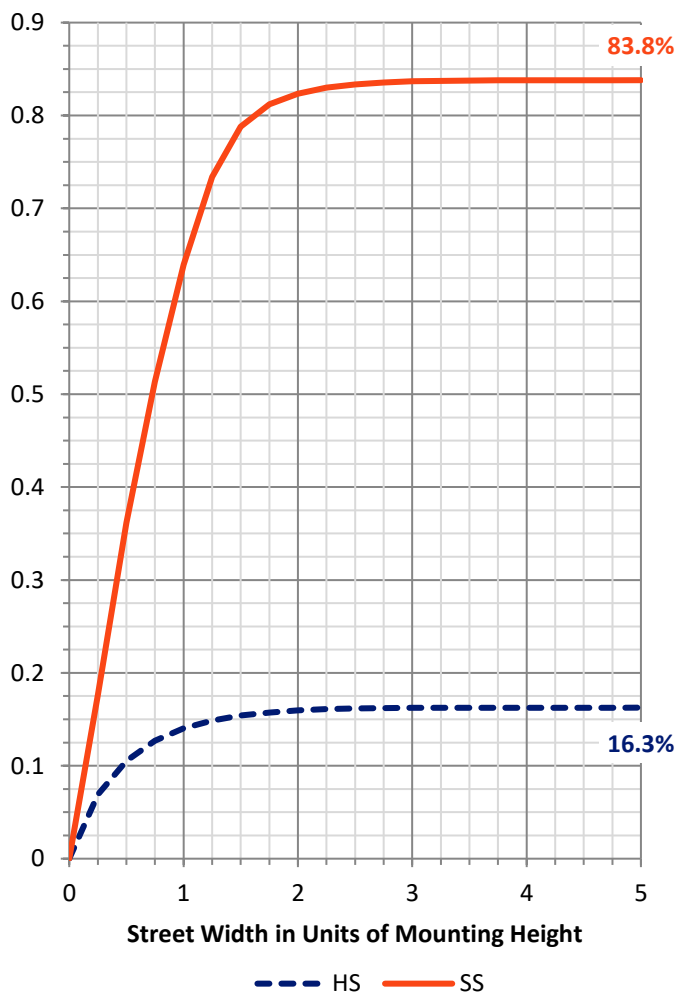
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	801.7	0.0	801.7
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	4106.4	0.0	4106.4
	% Fixture	83.7	0.0	83.7
Total	Lumens	4908.1	0.0	4908.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.3	1.7
10°-20°	270.6	5.5
20°-30°	495.5	10.1
30°-40°	822.1	16.8
40°-50°	1255.6	25.6
50°-60°	1410.8	28.7
60°-70°	520.4	10.6
70°-80°	49.7	1.0
80°-90°	0.0	0.0
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°	4908.1	100.0
0°-180°	4908.1	100.0

Coefficient of Utilization



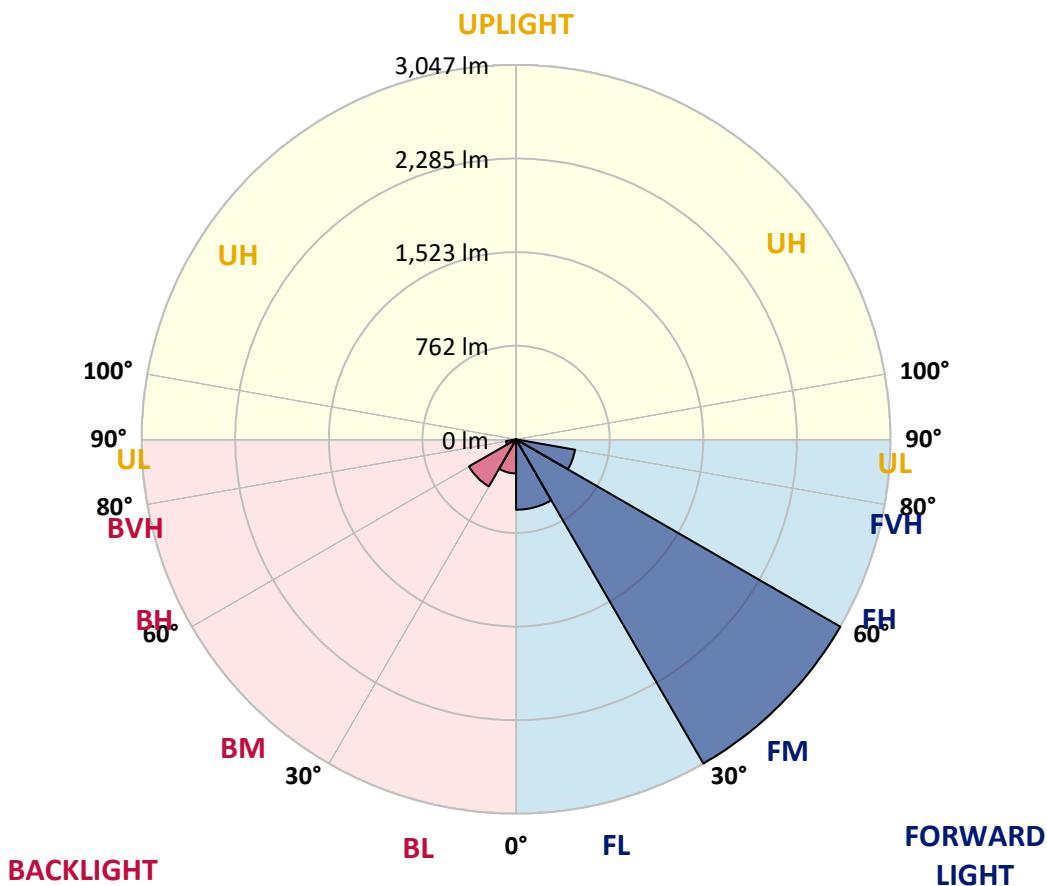
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	572.8	11.7			
FM (30°-60°)	3046.7	62.1			
FH (60°-80°)	486.9	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	276.6	5.6	B1/500		
BM (30°-60°)	441.8	9.0	B1/1000		
BH (60°-80°)	83.3	1.7	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	818.6	818.6	818.6	818.6	818.6	818.6	818.6	818.6	818.6	818.6	818.6
2.5°	914.6	924.0	921.1	915.2	911.6	899.2	891.5	869.0	853.0	851.2	836.4
5°	1030.1	1028.3	1025.9	1018.8	1012.9	993.3	970.2	932.3	898.6	894.4	863.0
7.5°	1093.4	1094.6	1095.8	1094.6	1090.5	1075.7	1050.2	1005.8	954.2	950.7	900.9
10°	1119.5	1121.9	1127.8	1139.1	1149.1	1147.9	1133.1	1087.5	1024.1	1018.2	951.3
12.5°	1131.9	1134.9	1144.4	1165.7	1193.0	1214.3	1216.6	1175.8	1105.9	1096.4	1011.1
15°	1149.1	1152.1	1163.9	1191.8	1231.5	1273.5	1300.8	1274.7	1196.5	1186.4	1076.9
17.5°	1156.8	1161.0	1178.1	1214.9	1266.4	1331.0	1392.6	1390.2	1303.7	1296.0	1153.3
20°	1171.6	1174.6	1190.0	1229.7	1291.9	1384.9	1488.5	1525.8	1434.6	1423.4	1245.7
22.5°	1218.4	1219.6	1226.7	1251.6	1309.6	1424.0	1586.3	1684.0	1589.2	1574.4	1349.3
25°	1294.8	1294.2	1297.2	1301.4	1344.0	1463.7	1680.4	1862.3	1766.3	1750.3	1466.6
27.5°	1392.0	1392.0	1399.1	1387.2	1404.4	1512.8	1773.4	2067.2	1972.5	1950.0	1595.1
30°	1506.3	1505.7	1522.3	1503.3	1508.7	1590.4	1873.5	2290.5	2221.2	2193.4	1743.2
32.5°	1661.5	1657.9	1676.9	1650.8	1633.1	1707.7	1995.6	2523.9	2519.2	2476.5	1929.2
35°	1857.6	1851.6	1857.6	1832.1	1800.1	1871.8	2155.5	2756.7	2849.7	2804.7	2150.8
37.5°	2052.4	2071.4	2077.9	2034.1	2008.0	2079.7	2348.0	2965.2	3165.4	3118.6	2381.2
40°	2282.3	2276.3	2298.8	2249.7	2233.1	2312.5	2536.4	3120.4	3415.4	3371.0	2586.1
42.5°	2451.7	2462.3	2490.2	2462.9	2449.9	2524.5	2694.5	3211.0	3588.9	3545.1	2732.4
45°	2654.8	2662.5	2673.2	2650.7	2637.1	2710.5	2808.8	3250.7	3721.0	3673.6	2830.8
47.5°	2874.6	2880.5	2880.5	2834.3	2790.5	2820.7	2885.2	3273.2	3842.5	3796.8	2903.6
50°	3032.1	3035.1	3061.2	3028.6	2933.2	2886.4	2920.2	3295.1	3923.0	3880.4	2927.3
52.5°	2892.4	2888.8	2974.7	3042.2	3067.7	2974.7	2980.6	3327.1	3962.1	3925.4	2946.3
55°	2435.7	2429.7	2550.6	2714.7	2939.2	3058.2	3053.5	3346.1	4005.3	3982.8	3015.0
57.5°	1765.7	1755.7	1923.9	2106.3	2400.7	2723.5	2913.1	3335.4	4024.3	4022.5	3094.9
60°	1061.5	1053.2	1211.9	1403.8	1631.3	1955.9	2270.4	2987.7	3770.8	3774.3	2887.0
62.5°	653.3	661.0	804.4	902.1	986.8	1084.6	1266.4	2009.8	2793.4	2816.5	2028.7
65°	439.5	445.4	578.1	701.3	701.3	573.4	492.2	960.8	1490.3	1451.2	959.6
67.5°	295.0	301.5	406.3	550.3	571.0	399.8	199.6	286.7	415.2	402.8	237.5
70°	173.6	180.7	270.7	377.3	415.8	278.4	133.3	121.4	117.9	114.3	92.4
72.5°	77.6	80.6	138.0	191.9	175.3	117.3	94.2	97.1	91.8	90.0	75.2
75°	23.7	24.9	35.5	41.5	42.1	42.1	56.9	76.4	72.3	72.9	58.0
77.5°	5.9	5.9	9.5	8.9	4.7	4.1	10.7	17.2	17.8	16.0	11.8
80°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	818.6	818.6	818.6	818.6	818.6	818.6	818.6	818.6	818.6	818.6	818.6
2.5°	829.9	814.5	804.4	790.2	780.1	769.4	760.0	752.3	748.1	746.9	747.5
5°	848.8	824.5	800.8	773.6	754.6	736.9	722.6	711.4	706.1	704.3	704.3
7.5°	877.8	844.1	802.0	759.4	727.4	699.5	683.0	670.5	665.8	664.6	661.0
10°	915.7	869.5	800.2	733.9	688.9	659.9	648.0	644.5	646.2	646.8	646.2
12.5°	961.4	896.2	789.0	696.6	648.0	630.2	631.4	640.9	651.6	656.9	658.1
15°	1009.9	920.5	763.5	652.2	613.1	612.5	629.6	651.6	672.3	681.2	683.6
17.5°	1064.4	940.0	724.4	604.8	582.9	600.0	630.8	664.6	692.4	707.2	710.2
20°	1124.2	956.0	674.7	560.3	556.2	587.0	629.6	671.1	705.5	722.1	725.0
22.5°	1186.4	967.3	617.2	519.5	531.9	572.2	618.4	658.7	691.3	710.2	712.6
25°	1257.5	968.5	558.6	485.1	509.4	552.1	591.1	624.3	651.6	668.2	669.9
27.5°	1319.7	954.2	506.4	457.3	488.7	527.2	553.2	571.6	590.6	600.0	600.6
30°	1391.4	929.4	457.3	434.8	467.3	496.4	509.4	513.6	515.3	517.1	514.7
32.5°	1476.7	899.2	420.6	412.9	443.1	462.6	466.2	457.9	447.8	433.6	430.0
35°	1581.5	871.9	390.3	391.5	416.4	428.3	425.3	407.5	388.0	370.8	367.8
37.5°	1695.3	848.8	367.2	370.8	387.4	395.7	386.8	367.2	358.4	343.6	344.1
40°	1796.0	829.9	346.5	350.1	357.8	365.5	351.3	338.2	354.8	353.6	354.8
42.5°	1867.6	813.9	328.7	327.0	332.3	337.6	327.0	320.5	348.3	340.6	344.7
45°	1909.7	799.1	313.9	303.3	311.6	321.0	313.9	305.6	315.1	279.6	276.6
47.5°	1938.1	790.8	300.9	280.2	295.0	311.6	296.8	276.6	263.0	232.2	229.8
50°	1941.1	786.6	285.5	256.5	275.4	293.2	276.0	248.2	228.6	215.0	213.2
52.5°	1956.5	794.9	264.2	226.3	247.0	275.4	263.6	235.7	209.1	197.2	194.9
55°	2025.2	829.9	228.6	184.8	215.0	261.8	253.5	210.3	184.8	177.7	175.9
57.5°	2096.3	837.0	180.1	146.3	187.2	242.3	231.6	193.7	168.8	160.5	158.7
60°	1916.8	689.5	135.1	120.8	165.3	223.9	214.4	183.6	154.6	144.5	142.8
62.5°	1259.3	372.6	107.2	102.5	139.2	189.5	195.5	165.9	138.0	127.4	126.8
65°	580.5	173.0	82.3	81.1	109.0	151.0	168.2	145.1	116.7	107.2	107.2
67.5°	158.2	85.9	64.6	59.8	74.0	101.3	122.6	108.4	82.9	71.7	71.1
70°	78.8	69.3	58.0	51.5	53.3	62.8	72.3	60.4	42.1	34.4	33.8
72.5°	64.6	56.9	49.2	43.8	40.3	38.5	37.3	30.2	19.5	14.8	14.2
75°	48.0	40.9	34.9	28.4	24.3	22.5	20.1	14.8	8.3	4.7	4.1
77.5°	10.7	10.1	9.5	7.1	6.5	5.3	4.1	3.0	1.2	0.0	0.0
80°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)