

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: P631619

Luminaire Tested: GWS-SA2B-722-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631619
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-722-U-T2R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4099.7 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

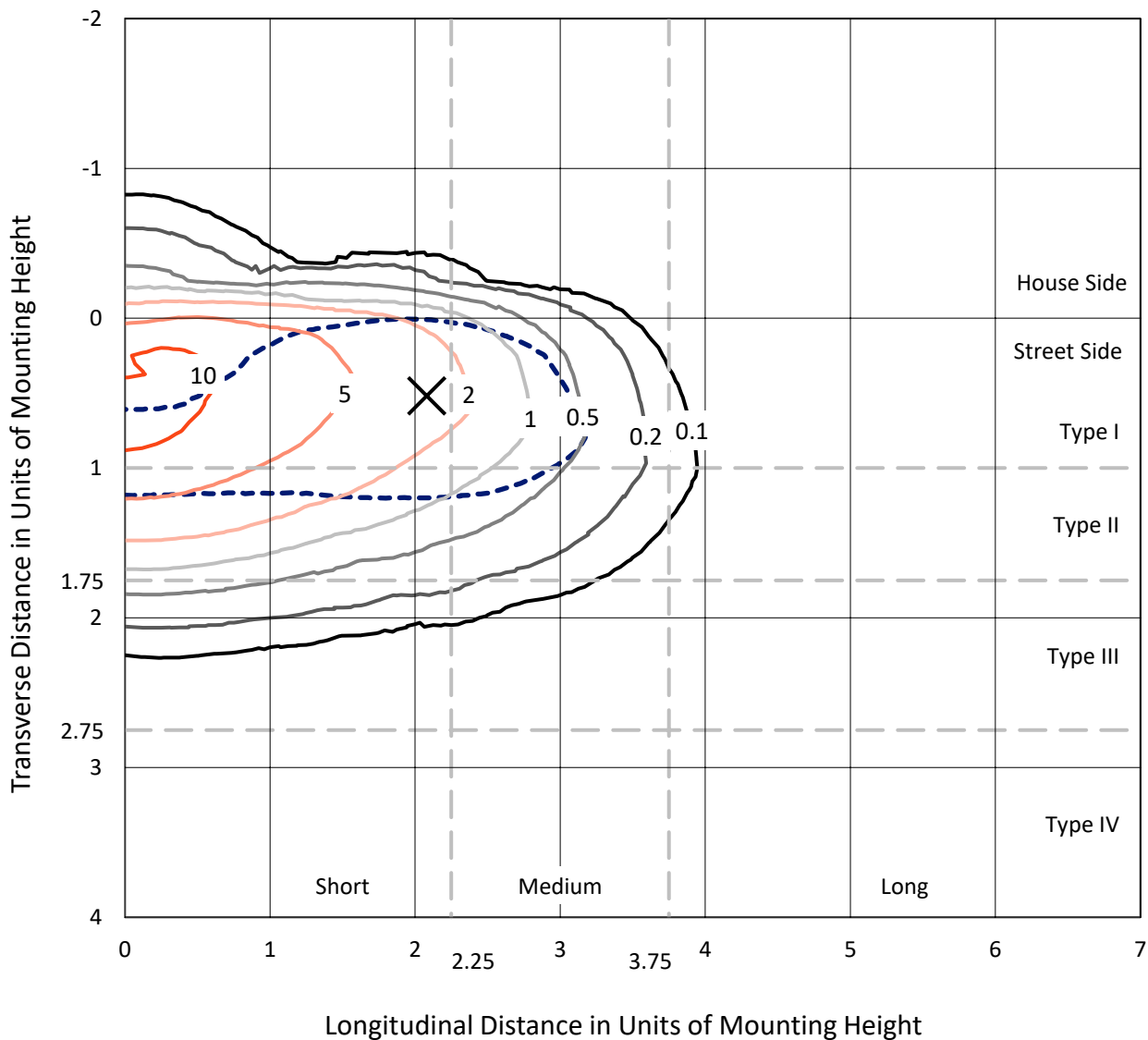
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631619
 CATALOG NUMBER: GWS-SA2B-722-U-T2R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

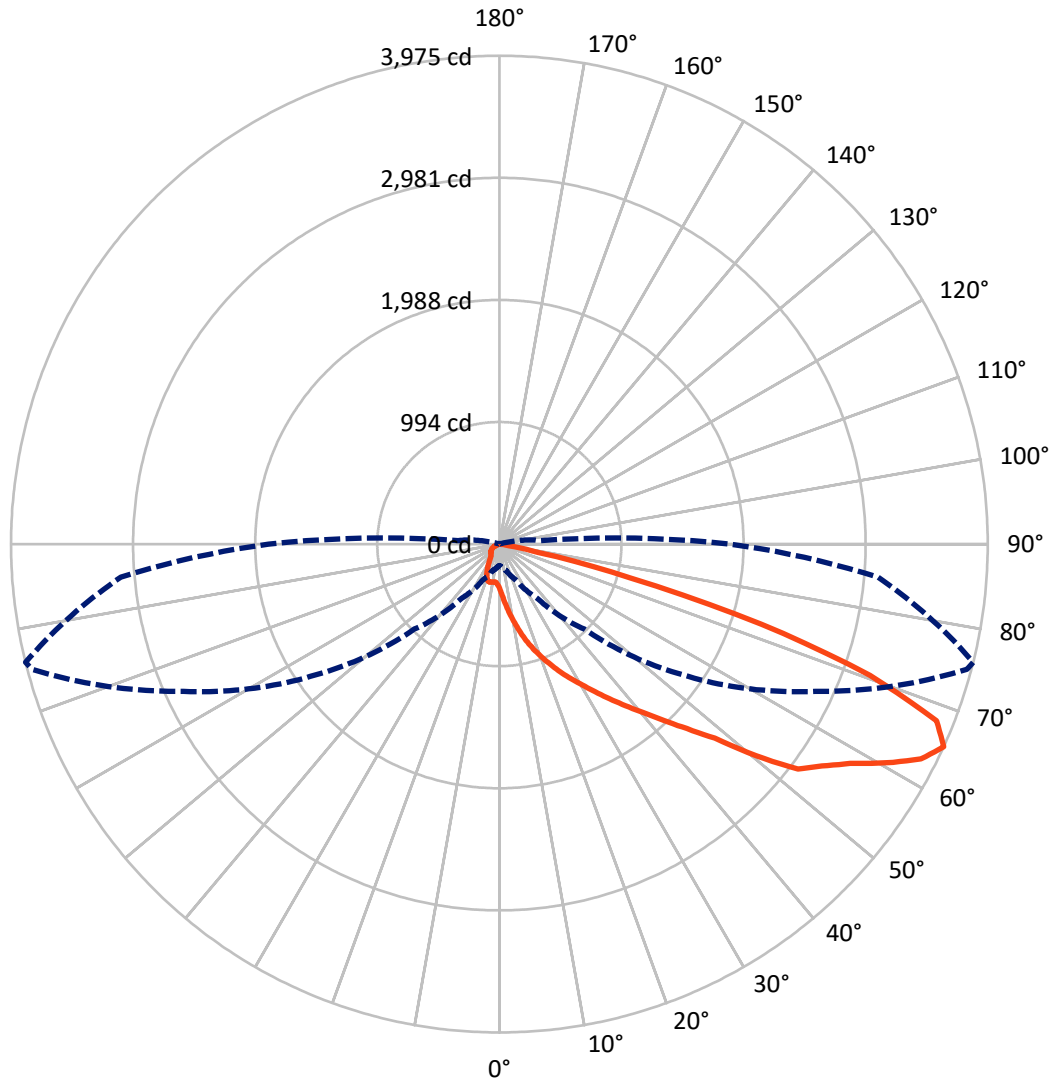
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.3 fc
 Type II - Short - N/A

REPORT NUMBER: P631619
CATALOG NUMBER: GWS-SA2B-722-U-T2R-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P631619
 CATALOG NUMBER: GWS-SA2B-722-U-T2R-W-HSS

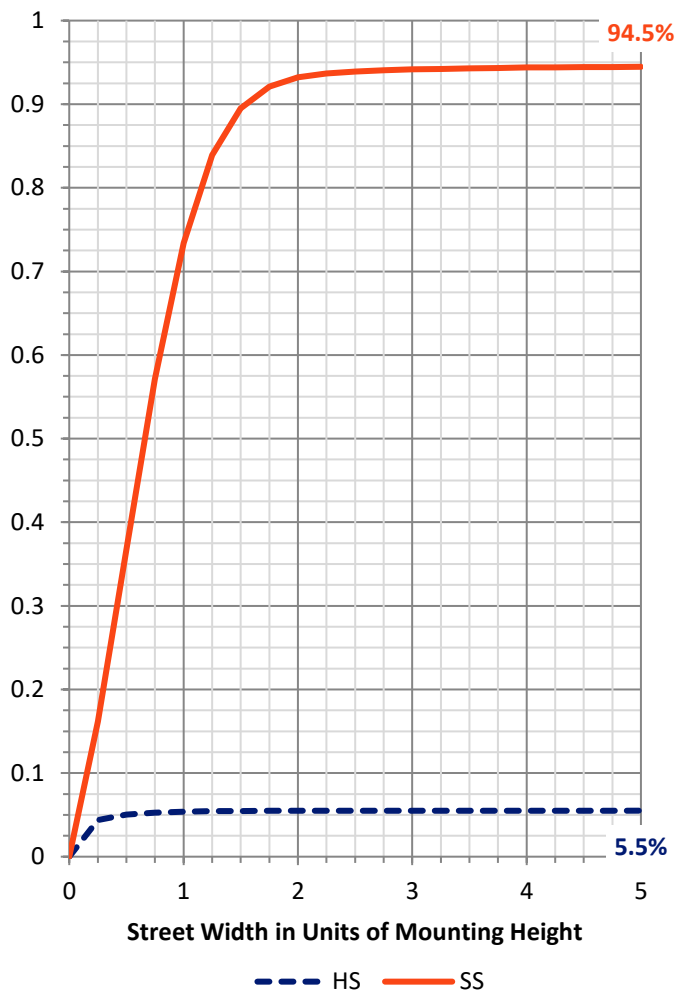
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	226.7	0.0	226.7
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	3873.0	0.0	3873.0
	% Fixture	94.5	0.0	94.5
Total	Lumens	4099.7	0.0	4099.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.2	1.1
10°-20°	167.6	4.1
20°-30°	341.8	8.3
30°-40°	608.0	14.8
40°-50°	898.7	21.9
50°-60°	1029.0	25.1
60°-70°	785.1	19.1
70°-80°	219.9	5.4
80°-90°	5.5	0.1
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°	4099.7	100.0
0°-180°	4099.7	100.0

Coefficient of Utilization

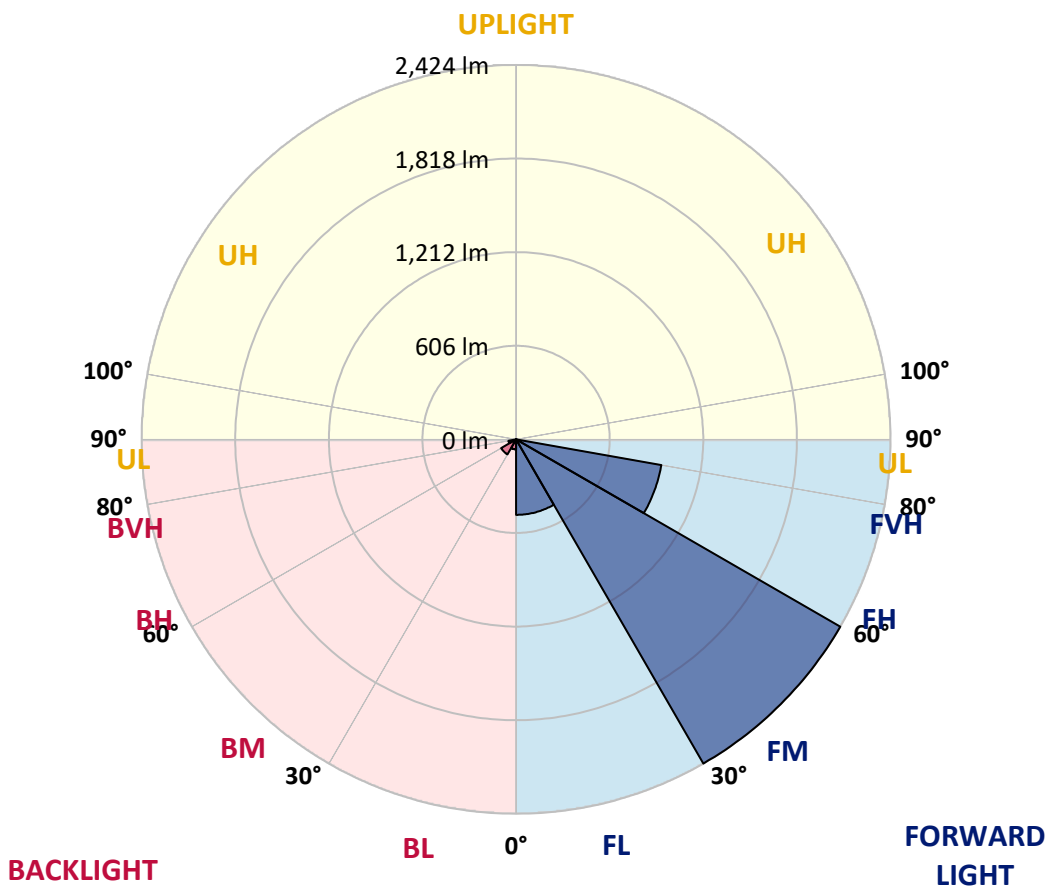


REPORT NUMBER: P631619
 CATALOG NUMBER: GWS-SA2B-722-U-T2R-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	488.9	11.9			
FM (30°-60°)	2423.8	59.1			
FH (60°-80°)	955.1	23.3			G1/1800
FVH (80°-90°)	5.2	0.1			G0/10
BL (0°-30°)	64.7	1.6	B0/110		
BM (30°-60°)	111.8	2.7	B0/220		
BH (60°-80°)	49.8	1.2	B0/110		G0/110
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
 Type II Short





REPORT NUMBER: P631619

CATALOG NUMBER: GWS-SA2B-722-U-T2R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	363.0	363.0	363.0	363.0	363.0	363.0	363.0	363.0	363.0	363.0	363.0
2.5°	559.4	567.8	561.2	550.3	529.2	508.7	482.5	446.4	417.6	414.0	387.0
5°	755.5	754.7	740.5	726.3	704.1	669.1	616.3	549.2	484.7	479.2	418.7
7.5°	872.1	873.2	865.2	854.2	832.4	796.3	741.3	660.3	566.0	555.0	462.1
10°	970.1	969.8	963.9	958.8	939.1	915.1	856.0	767.1	653.4	636.3	510.6
12.5°	1043.7	1046.3	1049.2	1054.3	1045.9	1022.2	966.5	869.5	742.0	723.0	566.0
15°	1102.0	1102.8	1113.7	1133.4	1140.3	1127.9	1077.3	968.7	829.4	813.0	629.7
17.5°	1119.5	1121.0	1139.6	1175.7	1212.1	1219.0	1180.8	1068.5	915.4	898.0	691.7
20°	1156.3	1159.6	1173.5	1205.2	1251.1	1288.3	1273.3	1169.5	1001.5	978.5	755.1
22.5°	1272.2	1274.0	1269.3	1273.3	1297.0	1340.0	1349.1	1267.1	1089.6	1065.2	823.6
25°	1471.6	1472.3	1439.1	1407.8	1389.9	1398.0	1418.0	1357.1	1177.1	1153.1	887.4
27.5°	1678.6	1681.1	1641.4	1588.2	1524.4	1488.0	1482.1	1439.5	1265.3	1238.7	950.4
30°	1873.5	1873.5	1831.6	1766.8	1681.5	1610.4	1568.5	1522.6	1359.7	1330.5	1014.9
32.5°	2048.8	2047.4	1993.8	1923.5	1839.3	1761.3	1673.1	1609.3	1464.6	1432.2	1089.3
35°	2193.5	2189.9	2129.0	2061.6	1971.6	1913.6	1815.2	1702.6	1578.3	1545.9	1165.8
37.5°	2302.8	2298.8	2243.1	2171.6	2088.2	2050.7	1968.3	1814.5	1698.2	1668.7	1250.7
40°	2362.2	2354.2	2315.6	2262.4	2192.4	2159.6	2125.4	1953.3	1839.3	1802.5	1350.9
42.5°	2379.7	2370.3	2344.7	2320.0	2277.7	2251.8	2288.6	2110.1	1994.2	1962.5	1465.4
45°	2328.0	2322.5	2320.3	2338.2	2345.8	2353.1	2443.9	2283.5	2165.1	2141.0	1609.3
47.5°	2203.3	2201.9	2221.2	2295.5	2376.5	2453.3	2612.6	2497.4	2386.7	2360.8	1810.5
50°	1973.0	1988.0	2041.9	2172.4	2334.2	2510.2	2770.4	2794.1	2745.3	2707.4	2072.9
52.5°	1613.0	1641.8	1762.8	1961.0	2193.5	2494.2	2843.3	3031.7	3081.6	3042.3	2260.9
55°	1265.7	1292.6	1400.5	1652.0	1962.1	2372.1	2846.6	3113.7	3222.7	3186.2	2388.1
57.5°	942.8	967.6	1065.6	1306.1	1647.2	2131.9	2768.6	3159.2	3389.9	3366.6	2588.9
60°	616.3	640.7	729.2	939.5	1277.7	1782.1	2576.5	3149.8	3617.7	3615.5	2835.6
62.5°	341.8	361.2	425.3	589.3	891.8	1380.1	2274.8	3054.7	3838.2	3852.0	3039.0
65°	174.9	187.3	226.3	324.0	539.7	978.5	1877.9	2836.7	3940.2	3975.2	3092.6
67.5°	114.4	118.4	127.9	168.4	289.0	615.5	1413.3	2487.2	3796.6	3837.5	2912.9
70°	92.9	96.2	101.7	112.2	149.1	326.9	928.2	1986.5	3172.4	3200.1	2319.6
72.5°	68.1	72.5	83.1	90.0	107.5	179.3	482.9	1303.9	2178.6	2227.4	1457.7
75°	50.3	52.8	61.6	71.1	87.8	113.3	184.8	685.5	1125.0	1096.6	612.2
77.5°	30.2	32.1	39.4	45.6	62.7	70.7	64.5	253.3	342.2	321.8	148.0
80°	14.9	16.8	25.9	34.3	40.1	28.4	27.0	70.7	76.2	76.2	37.2
82.5°	5.1	6.6	13.8	22.6	19.7	10.9	12.8	18.2	20.4	21.5	10.9
85°	0.0	0.0	3.3	6.6	2.9	1.5	3.3	4.0	5.1	5.5	3.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.1	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P631619
 CATALOG NUMBER: GWS-SA2B-722-U-T2R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	363.0	363.0	363.0	363.0	363.0	363.0	363.0	363.0	363.0	363.0	363.0
2.5°	372.4	355.3	329.4	306.1	288.3	271.5	258.7	248.5	246.7	240.9	241.6
5°	389.2	358.2	310.5	273.7	247.8	230.3	215.7	204.8	200.1	195.3	191.7
7.5°	415.1	370.3	303.2	258.4	228.1	201.2	178.6	160.3	151.6	146.1	142.5
10°	446.8	387.0	303.6	249.3	204.4	163.3	132.3	112.2	102.8	99.9	99.5
12.5°	484.7	408.2	306.5	234.3	170.2	121.4	98.0	88.9	86.0	83.5	83.5
15°	524.8	431.9	306.5	207.0	129.7	94.8	84.9	79.1	75.4	74.0	73.3
17.5°	567.1	454.1	299.2	169.5	99.5	83.5	75.4	70.0	67.1	64.9	64.1
20°	612.2	475.2	281.0	129.7	85.3	74.7	67.1	61.6	58.7	56.5	56.5
22.5°	658.2	494.9	251.5	99.9	75.4	66.3	59.0	53.9	51.0	48.8	48.8
25°	700.8	508.0	213.6	82.4	68.1	59.0	52.5	47.4	44.1	42.6	41.9
27.5°	740.5	516.4	171.6	72.5	61.2	52.8	45.9	41.2	38.6	37.5	36.8
30°	781.7	518.6	131.2	66.0	55.4	46.6	40.1	36.4	34.3	32.8	32.8
32.5°	821.8	516.0	100.2	60.5	50.3	41.2	35.7	32.4	30.6	29.5	29.2
35°	862.6	504.4	81.3	55.8	45.2	36.1	31.7	29.2	28.1	26.6	26.6
37.5°	907.1	488.7	70.7	51.0	40.1	32.4	28.4	26.6	25.1	24.1	23.7
40°	962.5	470.5	64.9	47.0	35.3	29.2	25.5	23.7	22.6	21.5	21.1
42.5°	1028.1	452.6	62.0	42.6	31.7	25.9	23.0	20.8	19.7	18.2	17.9
45°	1121.0	448.6	58.7	37.9	28.4	23.3	20.0	17.9	16.4	15.3	14.9
47.5°	1270.4	459.9	53.2	32.8	25.1	20.4	17.1	15.3	13.5	12.4	11.7
50°	1418.7	457.0	47.7	28.4	22.2	17.5	14.6	12.8	10.9	9.8	9.5
52.5°	1499.6	443.1	42.6	25.1	19.3	14.9	12.4	10.2	9.1	8.0	7.7
55°	1572.9	437.7	37.5	21.9	16.4	13.1	10.2	8.4	7.7	6.6	6.2
57.5°	1716.5	450.4	33.2	19.0	14.2	11.3	8.7	6.9	6.2	5.1	4.7
60°	1866.6	451.9	28.4	16.4	12.4	9.5	6.9	5.5	4.7	3.6	3.3
62.5°	1945.0	415.1	23.3	13.8	10.2	8.0	5.8	4.4	3.6	2.2	2.2
65°	1879.4	335.6	19.7	11.3	8.0	6.2	4.4	3.3	2.2	1.1	0.4
67.5°	1663.3	238.7	16.4	9.1	5.8	4.4	3.3	2.2	0.4	0.0	0.0
70°	1217.9	136.3	12.8	6.6	4.4	2.9	2.2	1.1	0.0	0.0	0.0
72.5°	748.5	72.9	9.5	4.4	3.3	2.2	1.8	0.7	0.0	0.0	0.0
75°	283.9	35.0	5.8	2.9	2.6	1.8	1.1	0.4	0.0	0.0	0.0
77.5°	76.9	17.1	3.3	2.2	1.8	1.1	0.7	0.0	0.0	0.0	0.0
80°	20.0	8.0	2.2	1.5	1.1	0.7	0.0	0.0	0.0	0.0	0.0
82.5°	6.9	3.6	1.1	1.1	0.7	0.4	0.0	0.0	0.0	0.0	0.0
85°	2.9	1.5	0.7	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.1	0.4	0.4	0.4	0.4	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)