

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: P628621

Luminaire Tested: GWS-SA1A-722-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628621
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-48)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-722-U-AFL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1756.7 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

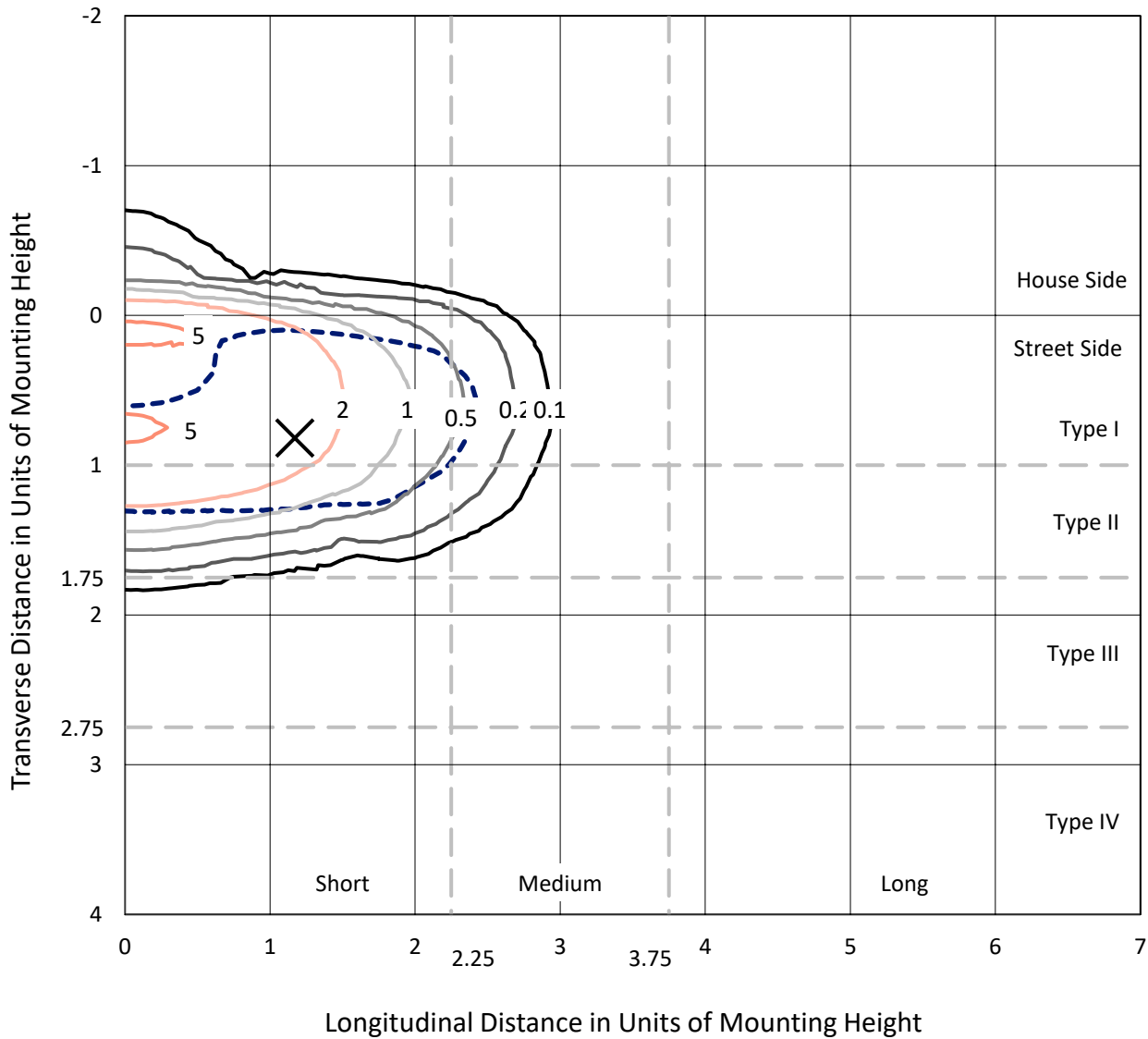
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P628621
 CATALOG NUMBER: GWS-SA1A-722-U-AFL-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

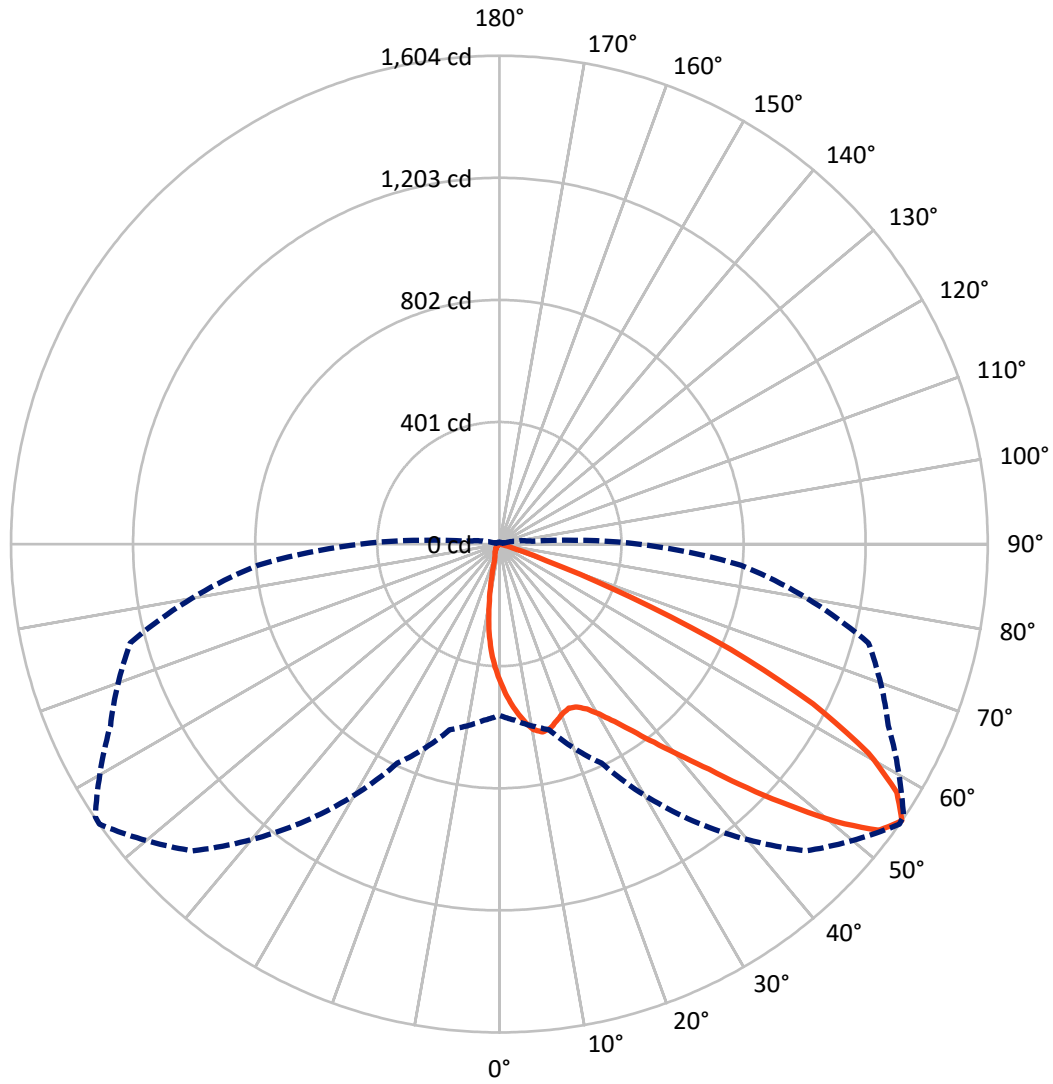
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 fc
 Type II - Short - N/A

REPORT NUMBER: P628621
CATALOG NUMBER: GWS-SA1A-722-U-AFL-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P628621
 CATALOG NUMBER: GWS-SA1A-722-U-AFL-W-HSS

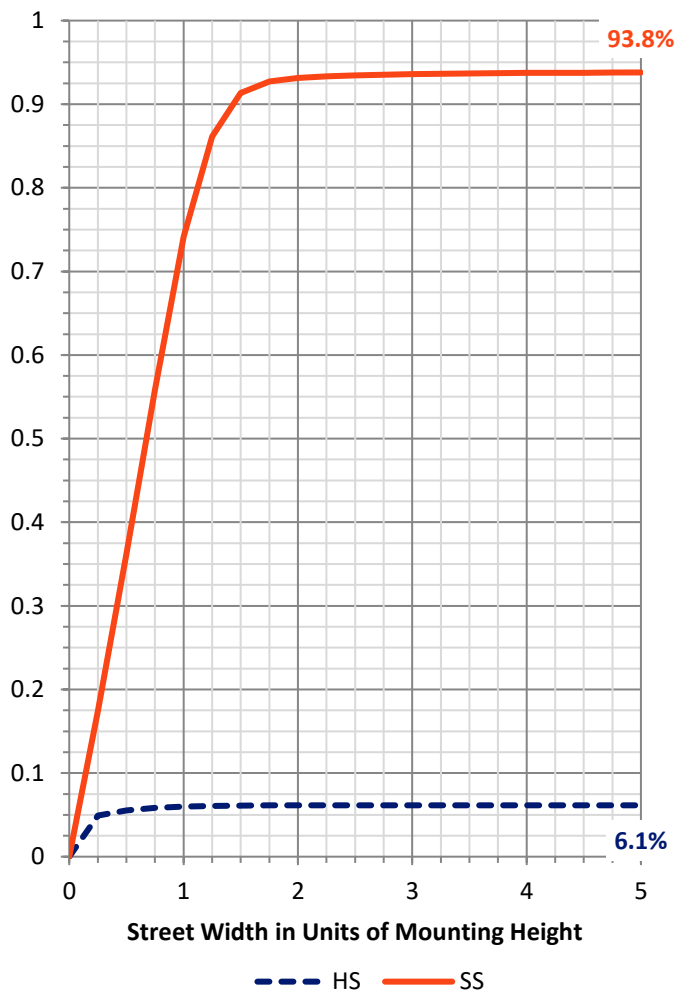
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	108.4	0.0	108.4
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	1648.2	0.0	1648.2
	% Fixture	93.8	0.0	93.8
Total	Lumens	1756.7	0.0	1756.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.1	2.3
10°-20°	96.7	5.5
20°-30°	161.0	9.2
30°-40°	274.4	15.6
40°-50°	447.9	25.5
50°-60°	468.9	26.7
60°-70°	236.5	13.5
70°-80°	29.9	1.7
80°-90°	1.1	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°	1756.7	100.0
0°-180°	1756.7	100.0

Coefficient of Utilization



REPORT NUMBER: P628621

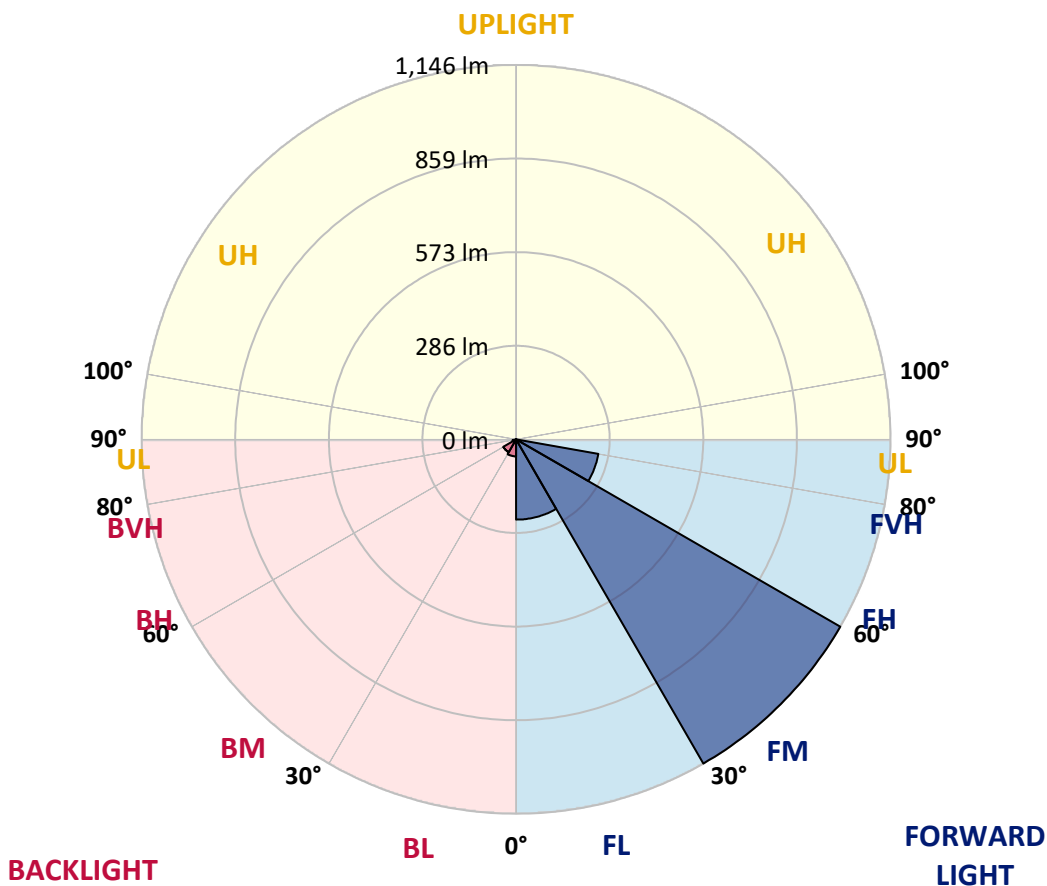
CATALOG NUMBER: GWS-SA1A-722-U-AFL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	245.7	14.0			
FM (30°-60°)	1145.9	65.2			
FH (60°-80°)	255.5	14.5			G0/660
FVH (80°-90°)	1.0	0.1			G0/10
BL (0°-30°)	52.1	3.0	B0/110		
BM (30°-60°)	45.3	2.6	B0/220		
BH (60°-80°)	10.9	0.6	B0/110		G0/110
BVH (80°-90°)	0.1	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-G0

Type II Short





REPORT NUMBER: P628621
 CATALOG NUMBER: GWS-SA1A-722-U-AFL-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	453.8	453.8	453.8	453.8	453.8	453.8	453.8	453.8	453.8	453.8	453.8
2.5°	529.0	526.5	530.4	525.9	518.2	511.8	503.4	500.4	486.8	474.1	461.8
5°	593.3	594.1	592.9	586.5	575.7	563.7	546.8	543.0	519.4	495.1	468.8
7.5°	609.2	608.8	611.3	613.7	611.9	605.9	587.5	583.7	554.4	517.9	479.6
10°	560.1	560.4	565.7	581.9	602.0	622.9	620.0	617.9	589.3	543.8	491.6
12.5°	490.7	493.4	499.0	522.1	556.2	603.7	633.1	635.2	621.2	572.1	505.8
15°	460.7	461.3	465.8	479.8	505.2	563.7	627.5	633.4	648.0	600.7	521.1
17.5°	460.0	460.7	462.7	468.8	485.3	532.3	609.7	619.9	668.1	631.3	539.4
20°	488.2	487.7	486.4	483.1	490.3	522.0	593.2	604.4	679.1	661.2	557.9
22.5°	539.4	538.8	532.8	519.1	513.3	531.4	585.0	595.3	685.7	687.8	573.0
25°	598.4	602.6	591.4	570.6	556.2	555.6	592.3	599.5	691.4	711.3	583.4
27.5°	663.1	664.5	654.9	631.6	610.7	594.4	613.1	618.5	697.7	732.4	589.3
30°	734.2	733.7	722.8	695.7	670.3	646.8	648.3	650.4	712.4	756.4	595.7
32.5°	822.9	824.9	805.3	768.6	738.1	705.5	694.2	694.5	739.0	787.3	605.5
35°	943.5	938.7	912.9	860.5	808.5	773.4	754.1	752.5	780.0	828.9	622.4
37.5°	1058.4	1058.8	1031.8	974.1	908.5	853.1	825.9	821.4	837.6	886.6	650.7
40°	1138.1	1139.6	1128.3	1098.2	1028.6	950.3	910.3	905.7	912.4	959.6	687.6
42.5°	1180.3	1184.5	1187.7	1194.7	1142.0	1071.6	1010.2	1009.7	1002.7	1042.8	730.4
45°	1182.0	1188.3	1207.5	1255.7	1261.7	1210.0	1143.2	1133.2	1106.0	1131.8	768.7
47.5°	1116.6	1131.2	1172.0	1267.6	1330.6	1347.7	1281.5	1275.4	1199.1	1202.2	797.4
50°	964.4	979.5	1054.8	1206.7	1348.0	1457.1	1433.3	1420.6	1276.9	1248.8	811.2
52.5°	808.2	822.0	873.1	1062.0	1275.8	1491.5	1561.3	1546.1	1346.7	1265.0	805.5
55°	562.4	580.8	630.7	793.8	1109.4	1424.5	1603.6	1600.5	1409.0	1254.8	796.6
57.5°	275.7	294.0	343.7	489.4	821.9	1243.7	1538.9	1555.6	1446.3	1243.8	789.4
60°	115.2	122.7	139.8	214.7	459.8	939.9	1392.8	1415.9	1423.4	1229.0	788.7
62.5°	66.8	68.0	69.8	89.0	178.8	538.8	1155.4	1188.3	1303.4	1209.3	776.8
65°	50.5	50.9	50.2	54.7	73.9	204.4	834.8	879.5	1088.0	1132.4	730.0
67.5°	41.4	41.4	39.5	40.4	46.4	76.6	460.9	523.3	805.0	930.7	602.8
70°	33.0	33.8	32.9	31.7	33.2	42.3	164.0	203.3	468.8	549.6	351.5
72.5°	25.1	25.1	26.6	25.7	24.6	26.6	57.2	64.3	188.2	229.2	126.9
75°	19.4	20.0	21.0	20.1	18.6	15.8	27.5	29.1	56.8	53.3	28.4
77.5°	9.9	10.1	13.4	14.7	13.8	9.6	12.0	13.2	18.5	16.5	10.5
80°	6.0	6.3	7.5	11.6	9.2	5.1	5.0	5.3	8.7	7.5	4.4
82.5°	2.6	2.7	4.2	4.2	3.8	2.0	2.0	2.0	4.2	3.9	1.8
85°	0.0	0.0	0.8	0.6	0.6	0.8	0.8	0.8	1.1	1.5	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5
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: P628621
 CATALOG NUMBER: GWS-SA1A-722-U-AFL-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	453.8	453.8	453.8	453.8	453.8	453.8	453.8	453.8	453.8	453.8	453.8
2.5°	453.8	444.2	431.3	419.6	403.8	394.9	382.6	372.6	364.0	361.3	360.1
5°	454.0	437.4	409.8	382.2	348.2	321.5	294.0	272.3	254.4	248.7	247.2
7.5°	457.0	432.6	387.9	337.7	281.0	234.1	192.2	154.7	137.3	131.4	130.2
10°	461.0	428.6	362.5	284.4	202.9	142.7	101.1	77.0	65.6	59.3	60.2
12.5°	466.3	425.3	334.4	226.8	134.2	78.4	55.6	46.6	44.1	42.9	42.3
15°	473.3	421.4	299.6	169.5	82.3	50.5	42.8	40.4	39.5	38.9	38.7
17.5°	480.5	416.9	264.1	119.2	54.7	41.9	38.4	37.2	36.6	36.2	36.0
20°	488.2	409.2	222.5	82.1	43.1	37.7	35.4	34.1	33.3	32.6	32.4
22.5°	491.5	396.9	182.8	57.5	38.3	34.7	31.8	30.2	29.3	28.7	28.7
25°	488.3	376.9	141.6	43.7	34.8	31.4	28.5	26.7	26.0	25.4	25.4
27.5°	479.9	351.2	103.3	36.2	31.1	27.9	25.2	23.6	23.0	22.7	22.7
30°	470.6	318.8	72.8	31.1	26.9	24.3	22.1	21.0	20.9	20.6	20.6
32.5°	462.7	288.5	50.2	27.3	23.7	21.2	19.7	19.2	19.4	19.1	19.2
35°	458.3	258.7	37.2	24.3	21.2	18.8	18.0	18.0	18.0	17.9	17.9
37.5°	460.1	229.5	30.3	22.2	18.9	17.1	16.4	16.7	17.0	17.0	17.0
40°	469.1	203.5	26.9	20.3	17.0	15.6	15.0	15.5	15.9	16.2	16.2
42.5°	480.5	182.5	24.3	18.6	15.6	14.1	13.8	14.3	14.7	15.0	15.0
45°	487.7	161.3	21.8	16.5	14.3	12.5	12.5	13.1	12.9	13.1	13.1
47.5°	491.0	144.5	19.2	14.3	12.2	10.8	11.0	11.3	11.0	11.3	11.3
50°	482.9	127.5	17.0	11.9	10.1	9.5	9.8	9.6	9.6	10.2	10.2
52.5°	468.1	114.9	15.0	10.1	8.6	8.4	8.7	8.1	8.3	8.3	8.1
55°	457.1	107.7	13.4	8.7	7.4	7.5	7.4	6.3	5.7	5.1	5.0
57.5°	451.7	104.8	12.2	7.8	6.6	6.6	6.0	4.4	3.3	2.6	2.3
60°	450.5	101.4	11.0	6.8	5.9	5.6	4.4	2.6	1.7	1.2	1.1
62.5°	439.1	93.0	9.9	5.4	5.1	4.5	2.7	1.5	0.9	0.6	0.5
65°	401.7	76.4	8.9	4.2	3.9	3.3	1.7	0.9	0.5	0.2	0.0
67.5°	319.6	54.2	7.8	3.2	2.7	2.1	1.1	0.6	0.2	0.0	0.0
70°	184.3	29.3	6.5	2.3	1.8	1.4	0.8	0.3	0.0	0.0	0.0
72.5°	61.6	13.7	5.0	1.5	1.4	1.1	0.5	0.2	0.0	0.0	0.0
75°	13.5	8.1	3.3	1.1	0.9	0.8	0.3	0.0	0.0	0.0	0.0
77.5°	5.1	5.7	1.7	0.8	0.6	0.5	0.2	0.0	0.0	0.0	0.0
80°	2.0	3.8	0.8	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0
82.5°	1.1	1.5	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.6	0.8	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.2	0.2	0.2	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)