

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: P628951

Luminaire Tested: GWS-SA1A-760-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628951
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2406 lumens
Efficiency: N/A
Efficacy: 122.1 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

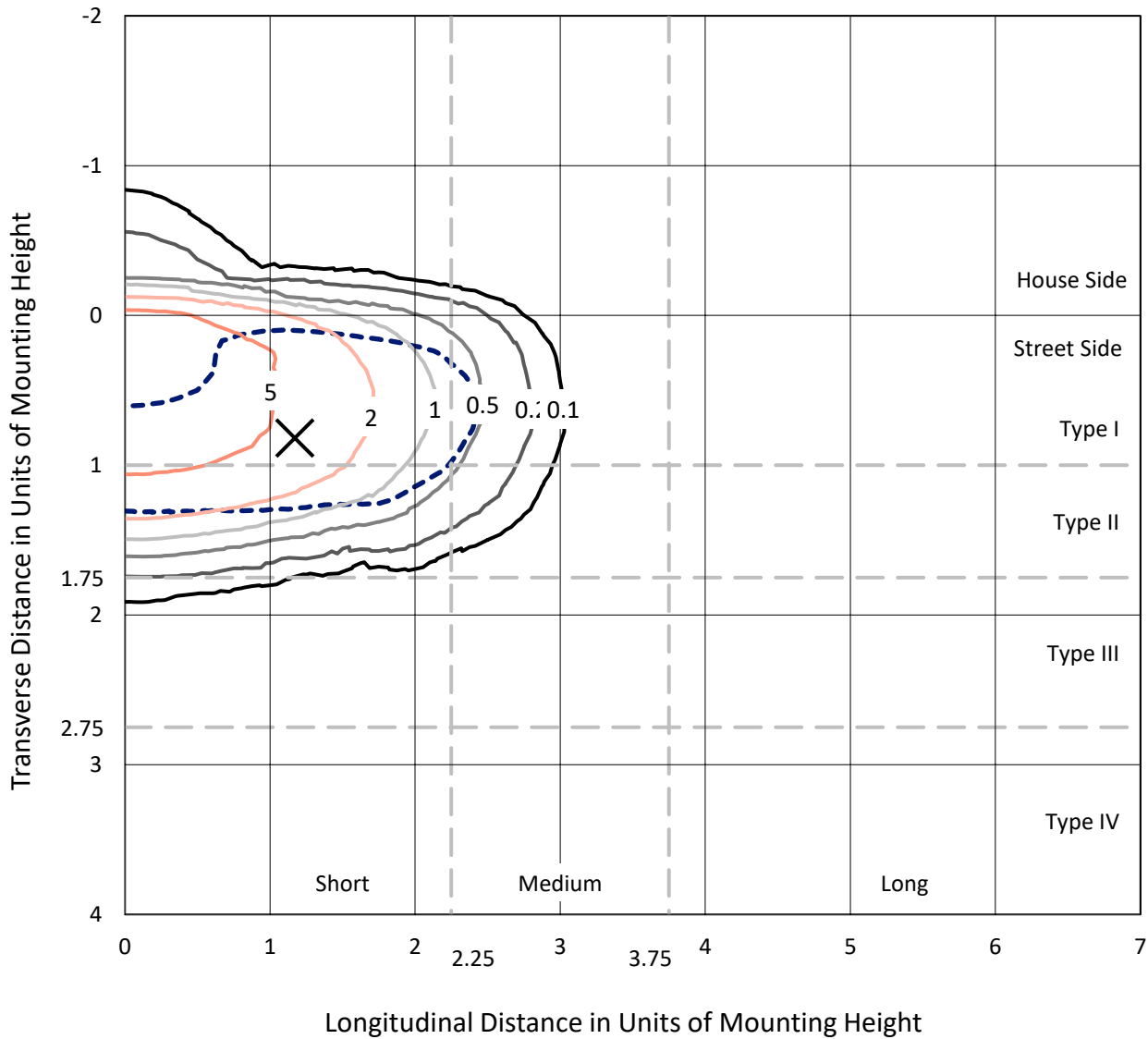
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P628951
 CATALOG NUMBER: GWS-SA1A-760-U-AFL-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

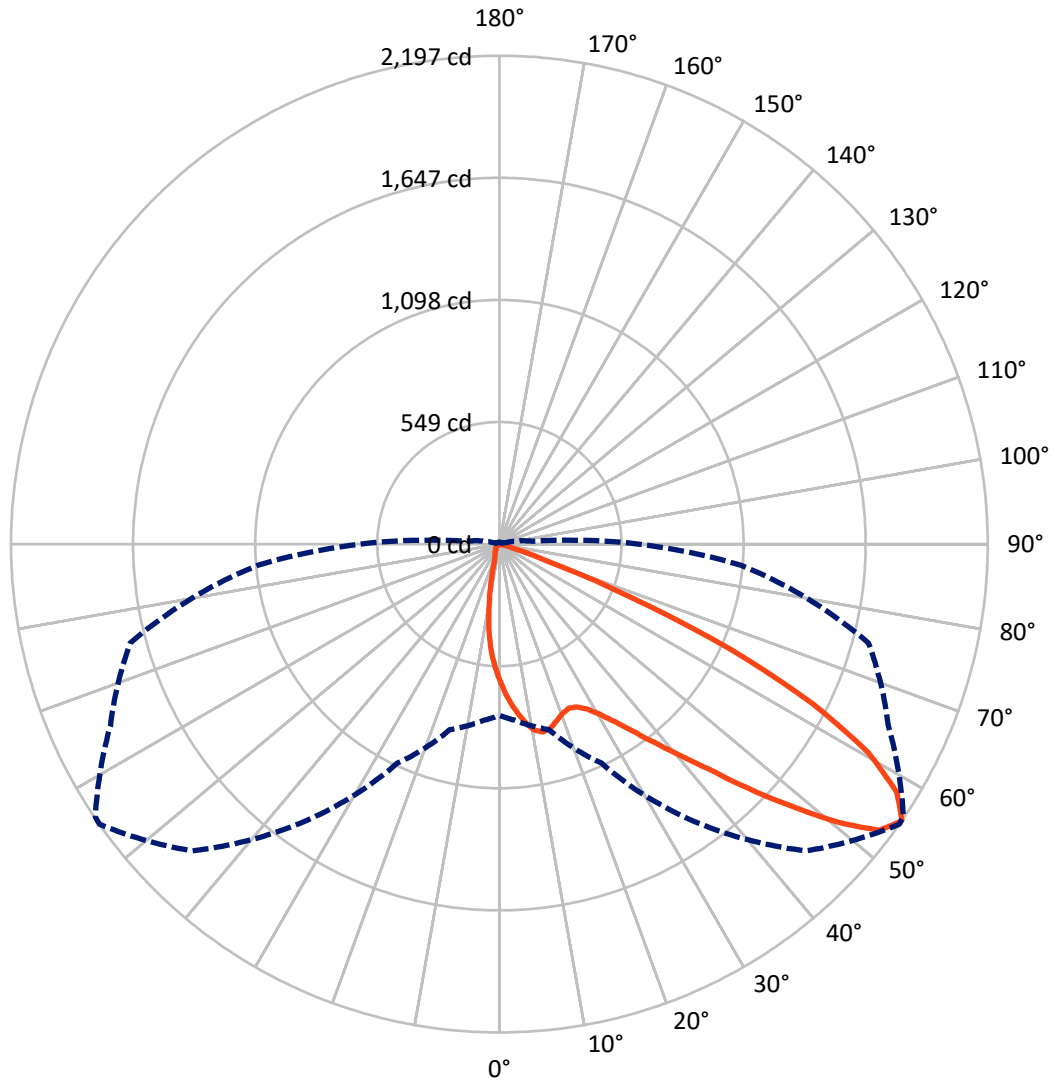
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.1 fc
 Type II - Short - N/A

REPORT NUMBER: P628951
CATALOG NUMBER: GWS-SA1A-760-U-AFL-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P628951
 CATALOG NUMBER: GWS-SA1A-760-U-AFL-W-HSS

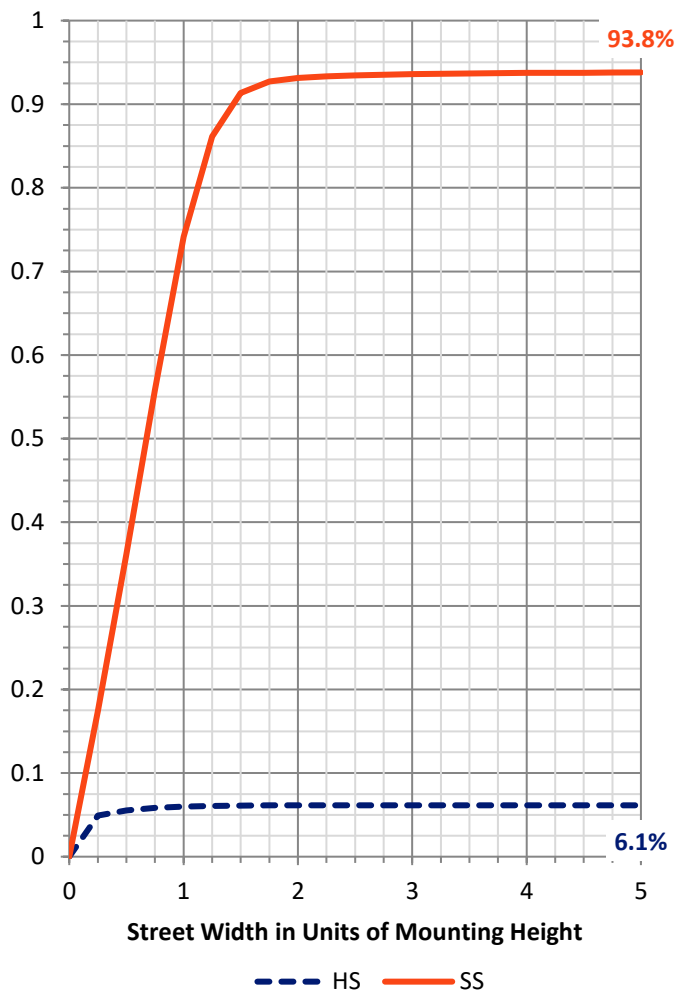
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	148.5	0.0	148.5
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	2257.5	0.0	2257.5
	% Fixture	93.8	0.0	93.8
Total	Lumens	2406.0	0.0	2406.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.9	2.3
10°-20°	132.4	5.5
20°-30°	220.6	9.2
30°-40°	375.8	15.6
40°-50°	613.5	25.5
50°-60°	642.3	26.7
60°-70°	324.0	13.5
70°-80°	40.9	1.7
80°-90°	1.5	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°	2406.0	100.0
0°-180°	2406.0	100.0

Coefficient of Utilization

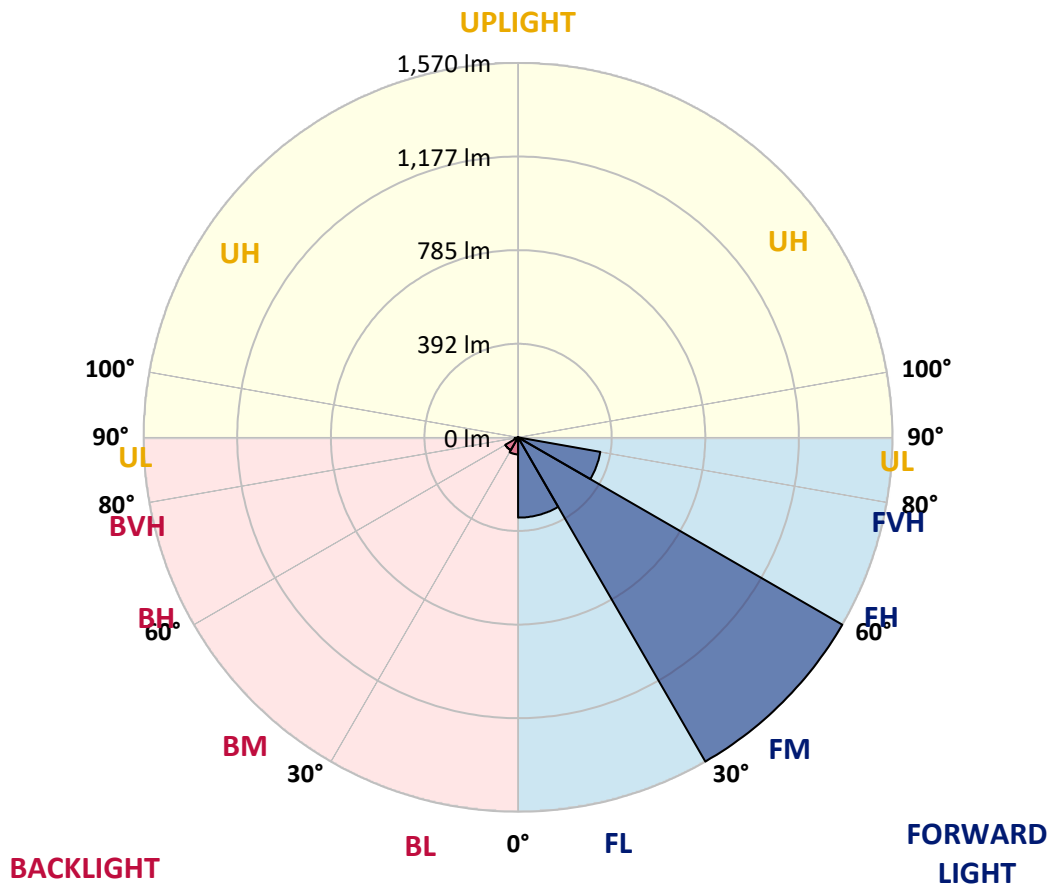


REPORT NUMBER: P628951
 CATALOG NUMBER: GWS-SA1A-760-U-AFL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	336.6	14.0			
FM (30°-60°)	1569.6	65.2			
FH (60°-80°)	350.0	14.5			G0/660
FVH (80°-90°)	1.4	0.1			G0/10
BL (0°-30°)	71.4	3.0	B0/110		
BM (30°-60°)	62.1	2.6	B0/220		
BH (60°-80°)	14.9	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: P628951

CATALOG NUMBER: GWS-SA1A-760-U-AFL-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	621.6	621.6	621.6	621.6	621.6	621.6	621.6	621.6	621.6	621.6	621.6
2.5°	724.6	721.1	726.5	720.3	709.8	701.0	689.4	685.3	666.8	649.3	632.5
5°	812.6	813.7	812.0	803.4	788.6	772.1	748.9	743.7	711.5	678.1	642.1
7.5°	834.4	833.8	837.3	840.6	838.2	829.9	804.6	799.5	759.4	709.4	656.9
10°	767.2	767.6	774.8	797.0	824.6	853.2	849.3	846.4	807.1	744.8	673.4
12.5°	672.2	675.9	683.5	715.2	761.8	826.8	867.2	870.0	850.9	783.6	692.7
15°	631.0	631.9	638.0	657.2	691.9	772.1	859.5	867.6	887.5	822.7	713.7
17.5°	630.0	631.0	633.7	642.1	664.8	729.1	835.1	849.1	915.1	864.7	738.8
20°	668.7	668.1	666.2	661.7	671.6	714.9	812.4	827.9	930.1	905.6	764.1
22.5°	738.8	738.0	729.8	711.0	703.0	727.9	801.3	815.3	939.1	942.0	784.9
25°	819.6	825.4	810.0	781.6	761.8	761.0	811.2	821.1	947.0	974.3	799.1
27.5°	908.3	910.1	897.0	865.1	836.5	814.1	839.8	847.2	955.6	1003.1	807.1
30°	1005.6	1005.0	989.9	952.9	918.2	885.9	887.9	890.8	975.8	1036.0	815.9
32.5°	1127.1	1129.8	1103.1	1052.7	1010.9	966.3	950.9	951.3	1012.2	1078.4	829.3
35°	1292.3	1285.7	1250.3	1178.6	1107.4	1059.3	1032.9	1030.7	1068.3	1135.4	852.5
37.5°	1449.6	1450.3	1413.2	1334.3	1244.4	1168.5	1131.2	1125.1	1147.3	1214.3	891.2
40°	1558.9	1560.9	1545.5	1504.1	1408.9	1301.6	1246.8	1240.5	1249.7	1314.3	941.8
42.5°	1616.7	1622.4	1626.7	1636.4	1564.2	1467.7	1383.6	1383.0	1373.3	1428.3	1000.4
45°	1618.9	1627.6	1653.9	1719.9	1728.1	1657.4	1565.9	1552.1	1514.8	1550.2	1052.9
47.5°	1529.4	1549.4	1605.3	1736.2	1822.5	1846.0	1755.3	1746.9	1642.4	1646.7	1092.2
50°	1320.9	1341.7	1444.7	1652.9	1846.4	1995.7	1963.2	1945.7	1748.9	1710.4	1111.1
52.5°	1107.0	1125.9	1195.8	1454.6	1747.5	2042.8	2138.5	2117.7	1844.6	1732.7	1103.3
55°	770.3	795.6	863.9	1087.2	1519.6	1951.1	2196.5	2192.2	1929.9	1718.7	1091.1
57.5°	377.6	402.7	470.8	670.3	1125.7	1703.5	2107.8	2130.7	1980.9	1703.7	1081.3
60°	157.8	168.0	191.5	294.1	629.8	1287.4	1907.7	1939.4	1949.7	1683.3	1080.2
62.5°	91.5	93.2	95.6	122.0	245.0	738.0	1582.5	1627.6	1785.3	1656.4	1064.0
65°	69.1	69.7	68.7	74.9	101.2	279.9	1143.4	1204.7	1490.2	1551.0	999.8
67.5°	56.8	56.8	54.1	55.3	63.6	104.9	631.2	716.8	1102.7	1274.8	825.6
70°	45.2	46.3	45.0	43.4	45.5	58.0	224.6	278.5	642.1	752.8	481.5
72.5°	34.3	34.3	36.4	35.2	33.7	36.4	78.4	88.0	257.7	313.9	173.8
75°	26.5	27.4	28.8	27.6	25.5	21.6	37.6	39.9	77.7	73.0	38.9
77.5°	13.6	13.8	18.3	20.2	18.9	13.2	16.5	18.1	25.3	22.6	14.4
80°	8.2	8.6	10.3	15.8	12.5	7.0	6.8	7.2	11.9	10.3	6.0
82.5°	3.5	3.7	5.8	5.8	5.1	2.7	2.7	2.7	5.8	5.3	2.5
85°	0.0	0.0	1.0	0.8	0.8	1.0	1.0	1.0	1.4	2.1	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.6
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: P628951
 CATALOG NUMBER: GWS-SA1A-760-U-AFL-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	621.6	621.6	621.6	621.6	621.6	621.6	621.6	621.6	621.6	621.6	621.6
2.5°	621.6	608.4	590.7	574.7	553.1	540.9	524.1	510.3	498.6	494.9	493.2
5°	621.8	599.2	561.3	523.5	477.0	440.4	402.7	372.9	348.4	340.6	338.6
7.5°	625.9	592.6	531.3	462.6	384.8	320.7	263.3	211.9	188.0	180.0	178.3
10°	631.4	587.0	496.5	389.6	277.9	195.4	138.4	105.5	89.9	81.2	82.5
12.5°	638.6	582.5	458.1	310.6	183.9	107.4	76.1	63.8	60.5	58.8	58.0
15°	648.3	577.1	410.3	232.2	112.7	69.1	58.6	55.3	54.1	53.3	53.1
17.5°	658.2	571.0	361.8	163.3	74.9	57.4	52.7	51.0	50.2	49.6	49.4
20°	668.7	560.5	304.8	112.5	59.0	51.6	48.5	46.7	45.7	44.6	44.4
22.5°	673.2	543.6	250.3	78.8	52.4	47.5	43.6	41.3	40.1	39.3	39.3
25°	668.9	516.3	194.0	59.9	47.7	43.0	39.1	36.6	35.6	34.8	34.8
27.5°	657.4	481.1	141.5	49.6	42.6	38.3	34.6	32.3	31.5	31.1	31.1
30°	644.6	436.7	99.8	42.6	36.8	33.3	30.2	28.8	28.6	28.2	28.2
32.5°	633.7	395.1	68.7	37.4	32.5	29.0	26.9	26.3	26.5	26.1	26.3
35°	627.7	354.4	51.0	33.3	29.0	25.7	24.7	24.7	24.7	24.5	24.5
37.5°	630.2	314.3	41.5	30.4	25.9	23.4	22.4	22.8	23.2	23.2	23.2
40°	642.5	278.7	36.8	27.8	23.2	21.4	20.6	21.2	21.8	22.2	22.2
42.5°	658.2	249.9	33.3	25.5	21.4	19.3	18.9	19.5	20.2	20.6	20.6
45°	668.1	220.9	29.8	22.6	19.5	17.1	17.1	17.9	17.7	17.9	17.9
47.5°	672.6	197.9	26.3	19.5	16.7	14.8	15.0	15.4	15.0	15.4	15.4
50°	661.5	174.6	23.2	16.2	13.8	13.0	13.4	13.2	13.2	14.0	14.0
52.5°	641.1	157.3	20.6	13.8	11.7	11.5	11.9	11.1	11.3	11.3	11.1
55°	626.1	147.5	18.3	11.9	10.1	10.3	10.1	8.6	7.8	7.0	6.8
57.5°	618.7	143.6	16.7	10.7	9.0	9.0	8.2	6.0	4.5	3.5	3.1
60°	617.0	138.8	15.0	9.3	8.0	7.6	6.0	3.5	2.3	1.6	1.4
62.5°	601.4	127.3	13.6	7.4	7.0	6.2	3.7	2.1	1.2	0.8	0.6
65°	550.2	104.7	12.1	5.8	5.3	4.5	2.3	1.2	0.6	0.2	0.0
67.5°	437.7	74.3	10.7	4.3	3.7	2.9	1.4	0.8	0.2	0.0	0.0
70°	252.4	40.1	8.8	3.1	2.5	1.9	1.0	0.4	0.0	0.0	0.0
72.5°	84.3	18.7	6.8	2.1	1.9	1.4	0.6	0.2	0.0	0.0	0.0
75°	18.5	11.1	4.5	1.4	1.2	1.0	0.4	0.0	0.0	0.0	0.0
77.5°	7.0	7.8	2.3	1.0	0.8	0.6	0.2	0.0	0.0	0.0	0.0
80°	2.7	5.1	1.0	0.6	0.6	0.2	0.0	0.0	0.0	0.0	0.0
82.5°	1.4	2.1	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.8	1.0	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.4	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)