

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: P628620

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628620
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-47)
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-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1900.3 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

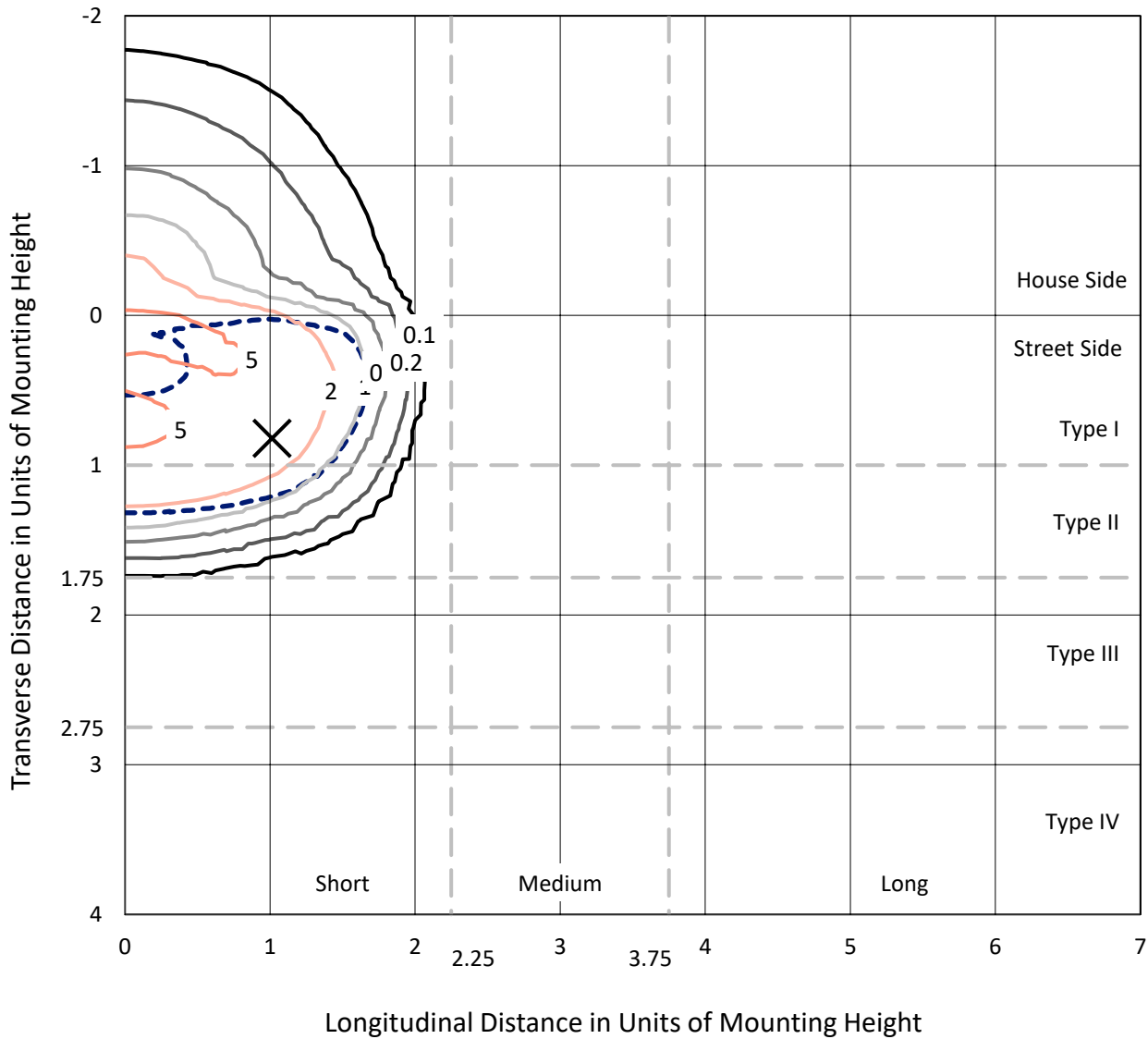
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P628620
 CATALOG NUMBER: GWS-SA1A-722-U-AFL-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

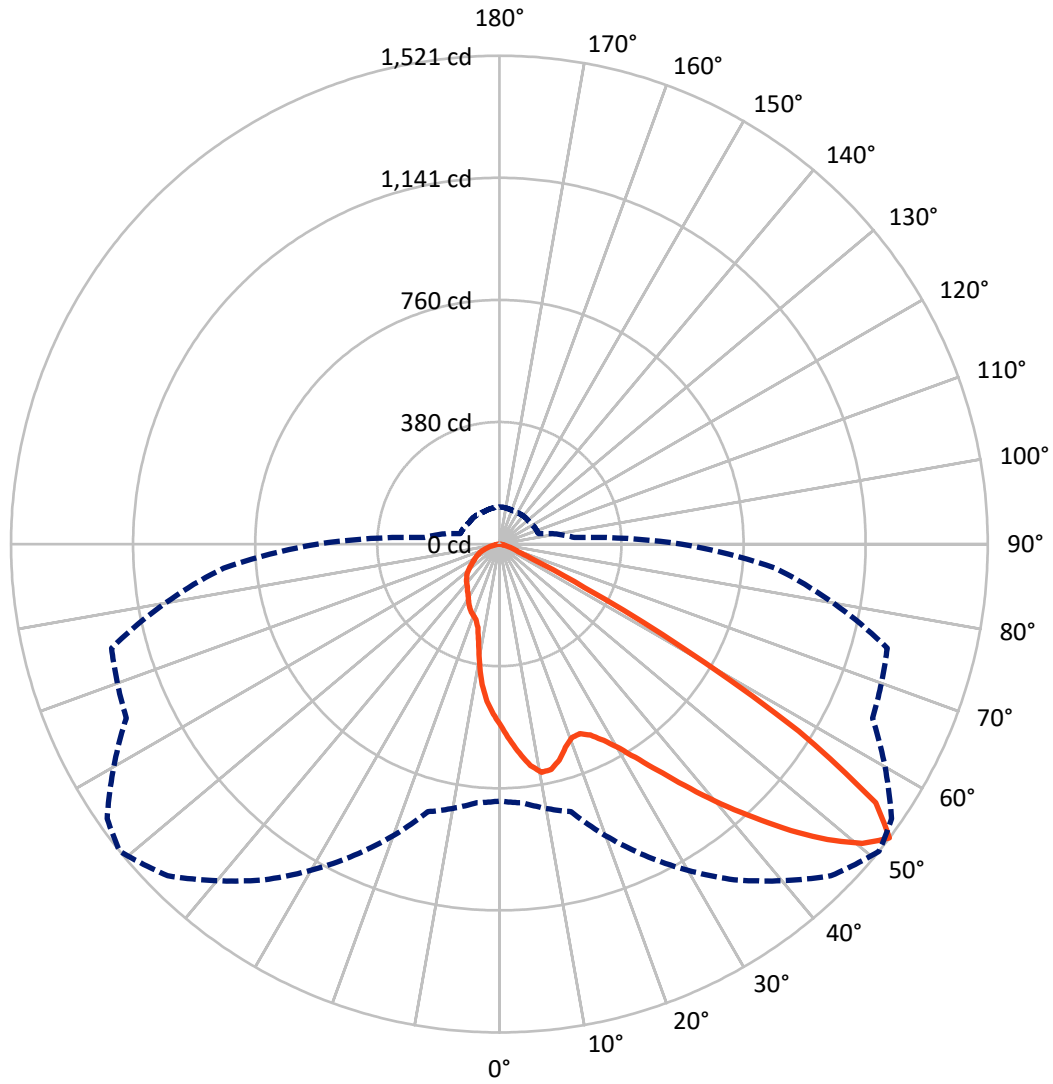
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
 Type II - Short - N/A

REPORT NUMBER: P628620
CATALOG NUMBER: GWS-SA1A-722-U-AFL-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 51-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

REPORT NUMBER: P628620

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

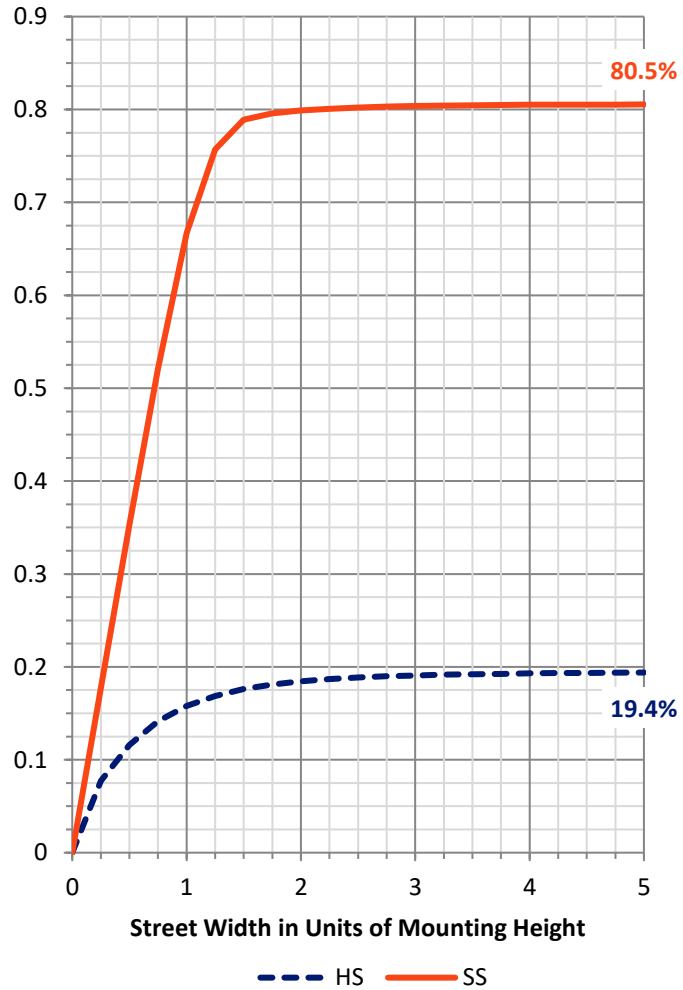
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	370.3	0.0	370.3
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	1530.1	0.0	1530.1
	% Fixture	80.5	0.0	80.5
Total	Lumens	1900.3	0.0	1900.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.8	2.8
10°-20°	137.2	7.2
20°-30°	223.1	11.7
30°-40°	353.5	18.6
40°-50°	533.2	28.1
50°-60°	461.2	24.3
60°-70°	104.6	5.5
70°-80°	30.8	1.6
80°-90°	4.0	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°	1900.3	100.0
0°-180°	1900.3	100.0

Coefficient of Utilization



REPORT NUMBER: P628620

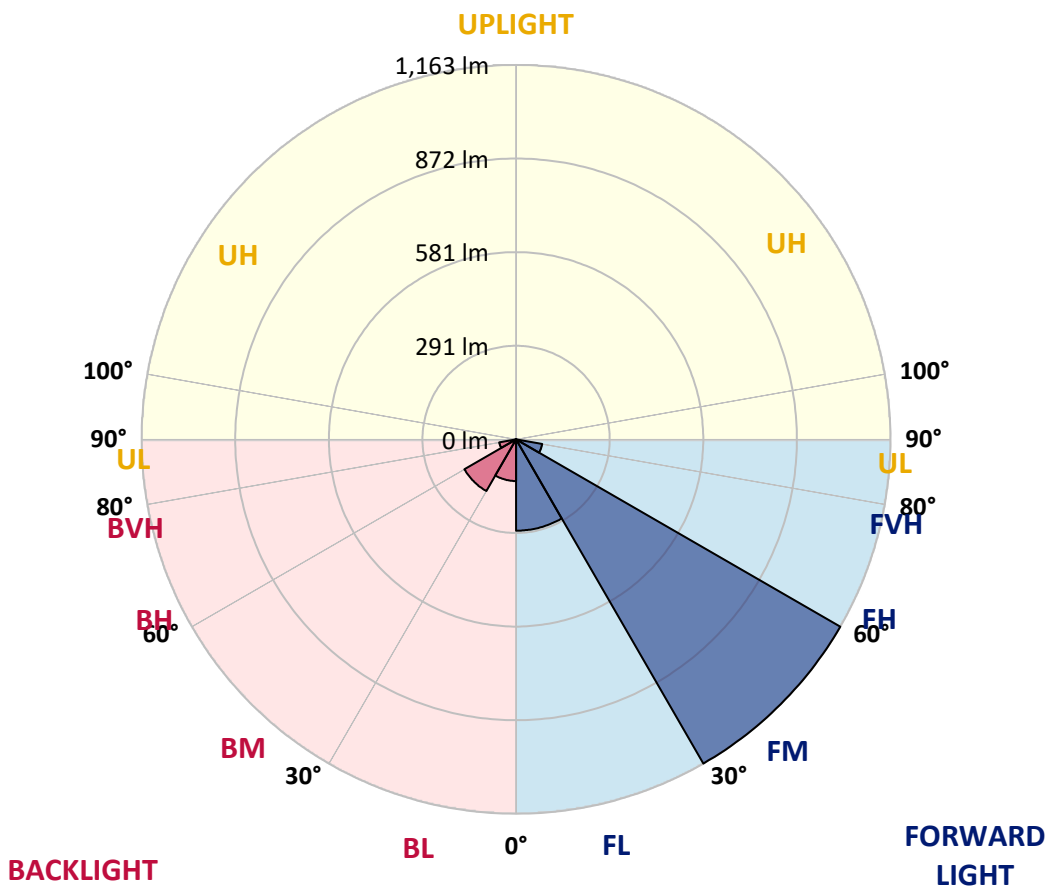
CATALOG NUMBER: GWS-SA1A-722-U-AFL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	283.6	14.9			
FM (30°-60°)	1162.6	61.2			
FH (60°-80°)	82.3	4.3			G0/660
FVH (80°-90°)	1.5	0.1			G0/10
BL (0°-30°)	129.4	6.8	B1/500		
BM (30°-60°)	185.3	9.7	B0/220		
BH (60°-80°)	53.1	2.8	B0/110		G0/110
BVH (80°-90°)	2.5	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-G0

Type II Short





REPORT NUMBER: P628620

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	565.8	565.8	565.8	565.8	565.8	565.8	565.8	565.8	565.8	565.8	565.8
2.5°	630.5	634.1	628.6	626.5	623.0	617.0	610.1	608.2	593.3	583.5	572.6
5°	693.9	695.9	691.4	686.8	678.3	667.6	654.3	651.4	624.4	602.0	578.7
7.5°	708.0	707.3	711.2	713.7	712.7	708.5	696.6	691.1	658.8	623.3	588.9
10°	652.2	648.0	662.4	679.5	700.1	723.8	722.4	722.0	693.9	652.0	602.0
12.5°	578.1	576.0	587.7	609.2	648.1	700.7	720.3	735.6	725.6	679.3	616.6
15°	535.8	535.0	543.0	558.5	589.4	655.8	697.8	728.1	752.8	708.6	632.0
17.5°	528.1	528.6	531.3	540.1	562.4	617.0	665.7	708.0	773.9	740.8	651.4
20°	550.5	553.5	548.8	550.2	562.2	603.1	643.7	687.7	787.5	773.0	672.3
22.5°	600.2	599.2	588.9	582.9	583.1	611.6	641.3	678.3	796.3	804.4	691.2
25°	656.5	655.3	643.1	629.8	621.4	634.9	658.6	688.3	804.3	833.1	706.4
27.5°	723.0	719.3	705.8	688.6	670.0	675.9	692.0	715.5	816.6	861.3	716.4
30°	787.5	791.8	772.4	752.2	732.5	728.9	738.2	759.5	841.7	894.4	728.4
32.5°	872.9	871.4	849.9	823.5	795.4	792.7	800.1	819.6	886.7	940.0	746.8
35°	976.4	976.7	946.2	910.4	870.5	863.3	875.6	894.5	953.8	1001.9	775.7
37.5°	1083.9	1083.4	1056.8	1016.3	961.8	951.6	965.7	979.8	1037.8	1086.1	820.8
40°	1159.3	1162.3	1149.8	1128.5	1076.8	1051.9	1064.4	1074.1	1129.1	1185.2	880.1
42.5°	1202.1	1206.6	1209.3	1222.0	1194.8	1168.3	1163.8	1168.9	1210.6	1277.3	935.8
45°	1211.2	1217.2	1236.9	1284.2	1294.7	1287.2	1272.5	1260.2	1271.4	1342.6	972.3
47.5°	1170.8	1181.3	1223.4	1306.1	1367.5	1391.1	1374.7	1356.0	1306.6	1359.4	968.6
50°	1010.7	1023.1	1117.8	1261.4	1377.9	1463.8	1465.3	1437.5	1302.4	1310.9	921.4
52.5°	800.2	808.6	862.8	1069.3	1276.2	1460.8	1520.9	1491.1	1282.1	1250.3	862.4
55°	478.3	491.8	542.4	705.5	994.2	1294.7	1422.6	1437.1	1272.2	1199.4	822.1
57.5°	161.4	168.0	216.4	311.6	585.9	948.0	1099.2	1157.8	1154.9	1121.6	743.6
60°	76.9	78.4	88.1	118.2	234.6	495.4	650.7	718.2	779.8	786.0	462.7
62.5°	58.6	59.5	64.4	70.9	94.3	208.7	298.2	349.9	373.8	320.7	168.5
65°	49.0	49.7	53.5	57.5	64.1	90.4	114.4	132.0	118.9	92.7	80.3
67.5°	40.8	41.4	44.3	48.7	53.2	60.5	63.5	65.3	68.5	76.9	73.9
70°	32.0	32.6	35.6	39.3	43.7	45.5	48.4	50.2	56.5	67.3	67.0
72.5°	24.6	25.4	27.0	29.4	33.0	34.8	38.0	40.1	43.7	52.4	56.0
75°	18.0	18.5	20.0	20.7	21.2	20.7	23.9	26.3	31.1	34.4	35.3
77.5°	7.4	8.3	8.0	8.0	9.5	11.4	13.1	14.6	17.9	19.8	20.0
80°	3.0	3.3	3.9	4.4	5.3	6.8	7.8	8.4	9.9	11.1	12.0
82.5°	1.8	2.0	2.3	2.4	3.0	3.9	4.5	5.0	6.2	7.4	7.8
85°	0.9	0.9	1.1	1.2	1.5	1.8	2.1	2.4	3.2	3.9	4.4
87.5°	0.2	0.2	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	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: P628620
 CATALOG NUMBER: GWS-SA1A-722-U-AFL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	565.8	565.8	565.8	565.8	565.8	565.8	565.8	565.8	565.8	565.8	565.8
2.5°	566.1	558.0	548.5	541.0	532.3	525.9	516.7	511.0	505.6	501.1	497.8
5°	566.7	553.1	533.4	516.0	497.9	480.8	463.3	449.0	436.2	425.6	424.7
7.5°	570.2	550.5	519.7	489.2	454.1	420.2	386.2	358.6	337.6	326.6	324.4
10°	576.0	550.2	505.7	457.1	397.2	342.5	302.3	281.3	269.1	264.7	263.2
12.5°	582.2	549.4	487.9	411.7	328.6	280.7	258.6	256.0	258.3	258.6	258.4
15°	589.7	549.0	465.4	358.6	278.4	252.0	253.5	258.9	264.1	265.3	265.3
17.5°	598.8	547.9	434.7	306.6	247.0	246.4	254.4	261.6	266.5	267.4	267.4
20°	608.5	545.2	397.0	264.3	234.3	243.0	251.5	257.1	260.5	261.7	261.9
22.5°	615.1	538.0	353.6	232.9	226.3	236.4	242.5	248.2	248.2	245.2	244.3
25°	616.4	522.6	306.6	211.4	216.8	226.1	232.5	229.1	223.0	220.6	220.4
27.5°	611.5	500.0	260.2	196.1	205.4	214.7	213.7	208.9	206.2	203.8	204.7
30°	605.5	473.0	220.0	183.5	192.2	201.4	197.8	196.1	194.2	191.5	192.1
32.5°	601.4	442.8	189.1	173.7	183.3	184.9	187.4	187.3	185.5	180.3	180.0
35°	602.6	412.3	168.3	165.8	176.0	175.4	180.2	179.3	166.8	159.8	159.3
37.5°	612.2	383.1	156.2	159.5	164.3	168.0	172.2	161.4	157.1	152.6	152.9
40°	630.5	355.9	149.6	156.0	157.2	162.8	153.0	152.9	150.9	146.9	146.7
42.5°	651.3	332.9	145.1	154.4	152.7	153.8	143.4	144.6	144.5	141.9	141.2
45°	663.9	311.7	141.5	148.2	148.7	138.1	135.0	136.3	137.1	135.7	135.6
47.5°	650.8	287.4	137.7	138.8	142.7	131.1	127.2	127.3	128.7	128.8	128.2
50°	614.2	260.2	133.2	130.6	128.1	123.7	120.1	119.4	120.7	122.1	122.5
52.5°	566.9	234.3	125.7	121.8	115.8	115.8	114.1	111.7	113.5	115.3	115.9
55°	532.2	215.0	115.0	110.7	104.1	106.3	106.0	103.9	106.3	107.7	108.1
57.5°	461.2	172.8	101.2	99.9	94.3	97.0	97.6	94.9	93.7	94.0	94.5
60°	273.7	111.6	91.3	91.1	86.2	89.3	91.1	88.4	84.8	85.3	85.9
62.5°	122.8	85.3	78.8	78.2	78.1	82.1	84.1	81.5	76.4	76.9	77.5
65°	77.3	73.7	68.5	68.5	70.9	74.3	75.8	73.7	67.9	67.1	67.7
67.5°	71.8	68.6	63.2	62.2	63.4	66.2	66.4	62.3	58.9	58.3	58.3
70°	64.4	62.0	56.8	54.7	54.2	54.1	53.6	52.6	50.3	49.7	50.0
72.5°	53.3	51.7	48.4	46.1	44.9	44.7	42.9	42.0	40.1	39.8	39.6
75°	35.3	35.7	35.7	35.4	34.4	33.9	32.0	31.1	28.8	27.9	27.8
77.5°	20.9	21.3	21.9	22.1	21.9	21.9	20.1	19.1	16.8	15.6	15.3
80°	12.8	13.1	13.4	13.8	13.2	12.8	11.1	10.1	9.0	8.3	8.1
82.5°	8.3	8.6	8.7	9.0	8.7	8.1	6.8	6.2	5.4	4.8	4.7
85°	4.7	4.8	5.1	5.1	4.7	4.2	3.5	3.0	2.6	2.3	2.3
87.5°	1.7	1.7	1.7	1.8	1.5	1.4	0.9	0.6	0.5	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

(END OF REPORT)