

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: P629146

Luminaire Tested: GWS-SA1B-722-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629146
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-SA1B-722-U-T2R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2129.1 lumens
Efficiency: N/A
Efficacy: 85.2 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

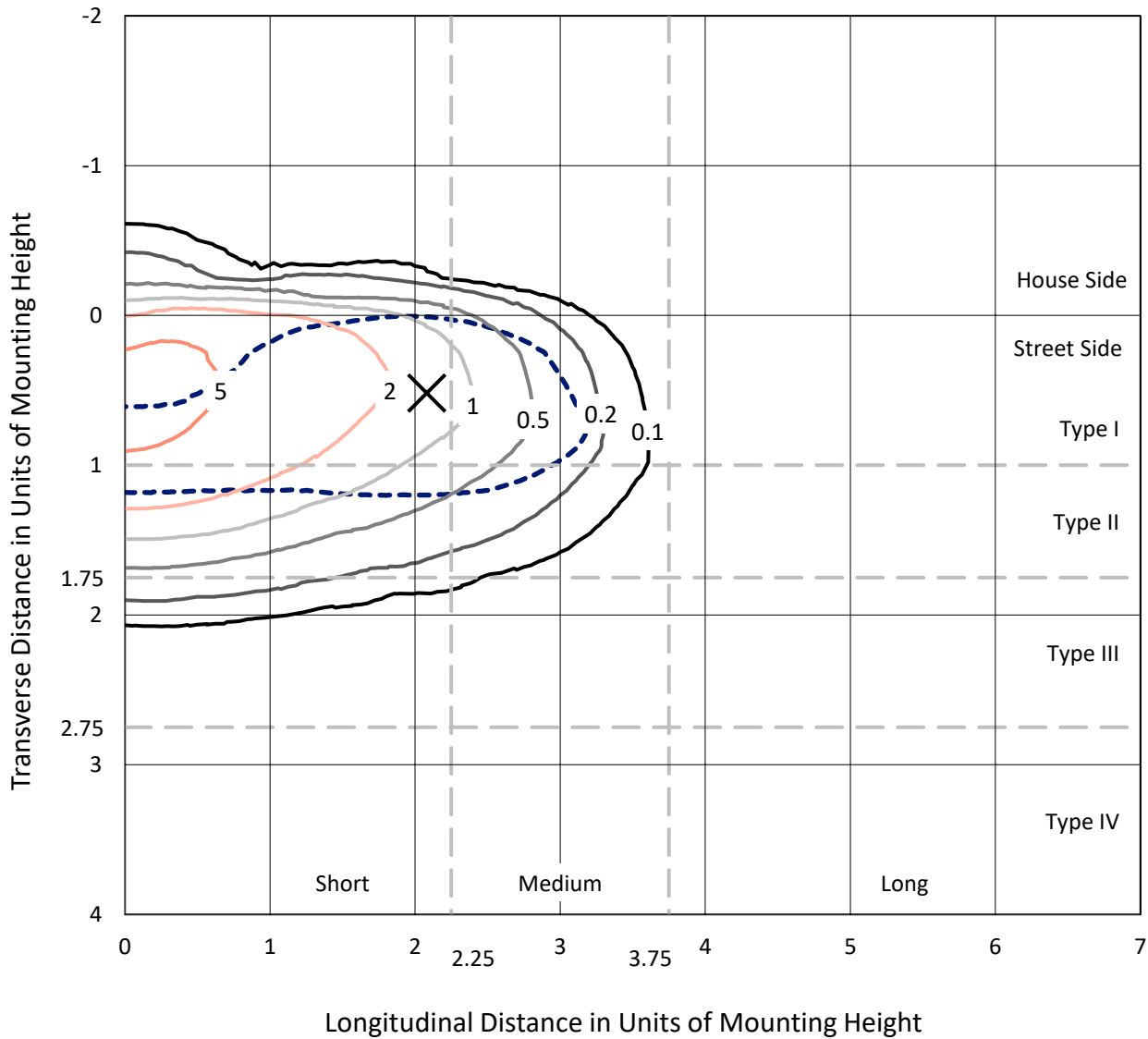
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

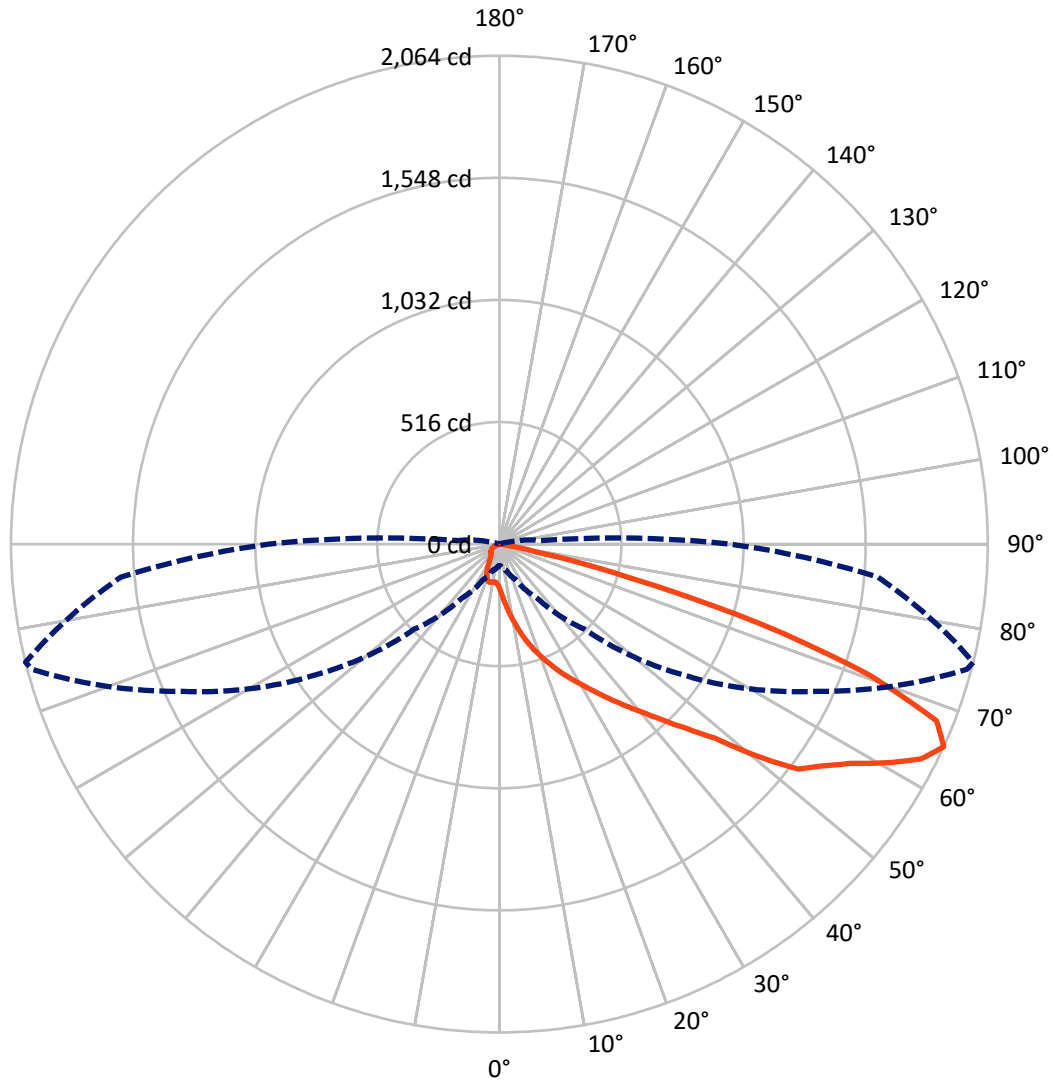
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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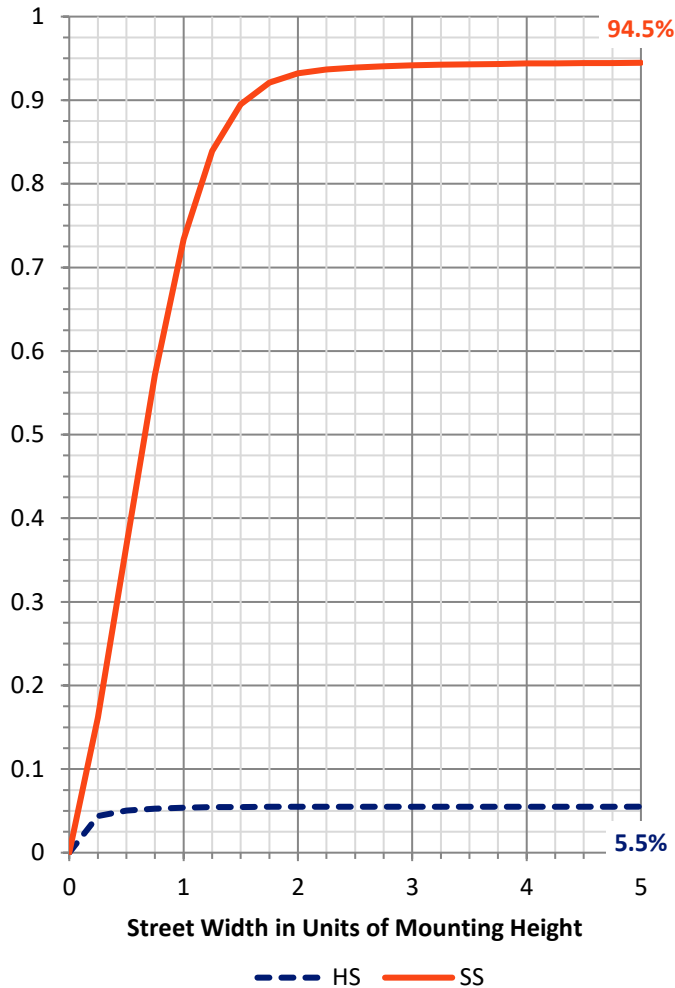
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	117.7	0.0	117.7
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	2011.4	0.0	2011.4
	% Fixture	94.5	0.0	94.5
Total	Lumens	2129.1	0.0	2129.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.9	1.1
10°-20°	87.0	4.1
20°-30°	177.5	8.3
30°-40°	315.7	14.8
40°-50°	466.7	21.9
50°-60°	534.4	25.1
60°-70°	407.7	19.1
70°-80°	114.2	5.4
80°-90°	2.9	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°	2129.1	100.0
0°-180°	2129.1	100.0

Coefficient of Utilization



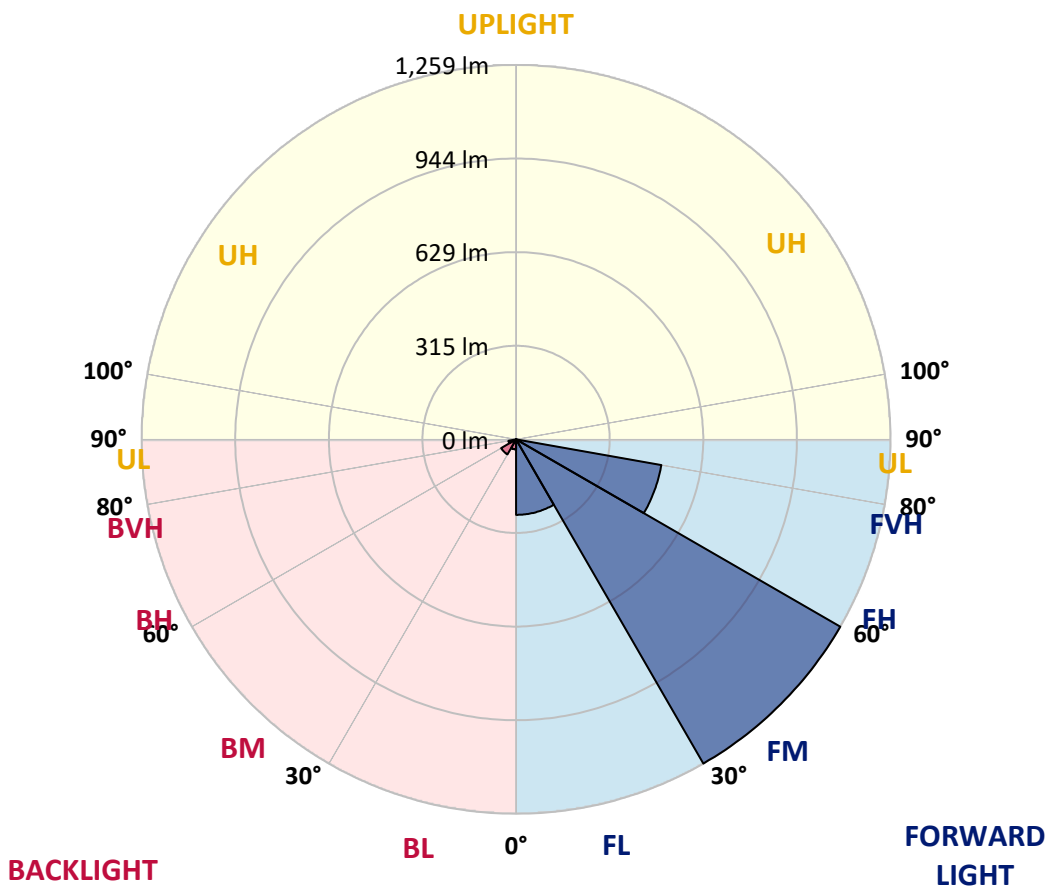
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	253.9	11.9			
FM (30°-60°)	1258.8	59.1			
FH (60°-80°)	496.0	23.3			G0/660
FVH (80°-90°)	2.7	0.1			G0/10
BL (0°-30°)	33.6	1.6	B0/110		
BM (30°-60°)	58.1	2.7	B0/220		
BH (60°-80°)	25.9	1.2	B0/110		G0/110
BVH (80°-90°)	0.2	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	188.5	188.5	188.5	188.5	188.5	188.5	188.5	188.5	188.5	188.5	188.5
2.5°	290.5	294.9	291.5	285.8	274.8	264.2	250.6	231.8	216.9	215.0	201.0
5°	392.3	392.0	384.6	377.2	365.7	347.5	320.0	285.2	251.7	248.9	217.5
7.5°	452.9	453.5	449.3	443.6	432.3	413.5	385.0	342.9	293.9	288.2	240.0
10°	503.8	503.6	500.6	497.9	487.7	475.2	444.6	398.4	339.3	330.4	265.2
12.5°	542.0	543.4	544.9	547.5	543.2	530.9	501.9	451.6	385.3	375.5	293.9
15°	572.3	572.7	578.4	588.6	592.2	585.8	559.5	503.1	430.8	422.2	327.0
17.5°	581.4	582.2	591.8	610.6	629.5	633.1	613.2	554.9	475.4	466.3	359.2
20°	600.5	602.2	609.4	625.9	649.7	669.0	661.3	607.3	520.1	508.2	392.1
22.5°	660.7	661.7	659.2	661.3	673.6	695.9	700.6	658.1	565.9	553.2	427.7
25°	764.2	764.6	747.4	731.1	721.8	726.0	736.4	704.8	611.3	598.8	460.8
27.5°	871.7	873.1	852.4	824.8	791.7	772.7	769.7	747.6	657.1	643.3	493.6
30°	973.0	973.0	951.2	917.5	873.2	836.3	814.6	790.7	706.1	691.0	527.1
32.5°	1064.0	1063.3	1035.4	998.9	955.2	914.7	868.9	835.8	760.6	743.8	565.7
35°	1139.2	1137.3	1105.7	1070.6	1023.9	993.8	942.7	884.2	819.7	802.8	605.4
37.5°	1195.9	1193.9	1164.9	1127.8	1084.5	1065.0	1022.2	942.3	882.0	866.6	649.5
40°	1226.8	1222.6	1202.6	1174.9	1138.6	1121.6	1103.8	1014.4	955.2	936.1	701.6
42.5°	1235.9	1230.9	1217.7	1204.8	1182.9	1169.4	1188.6	1095.8	1035.6	1019.2	761.0
45°	1209.0	1206.2	1205.0	1214.3	1218.3	1222.1	1269.2	1185.9	1124.4	1111.9	835.8
47.5°	1144.3	1143.5	1153.5	1192.1	1234.2	1274.1	1356.8	1297.0	1239.5	1226.0	940.2
50°	1024.7	1032.4	1060.4	1128.2	1212.2	1303.6	1438.8	1451.1	1425.7	1406.0	1076.5
52.5°	837.7	852.6	915.5	1018.4	1139.2	1295.3	1476.6	1574.5	1600.4	1579.9	1174.2
55°	657.3	671.3	727.3	857.9	1019.0	1231.9	1478.3	1617.0	1673.6	1654.7	1240.2
57.5°	489.6	502.5	553.4	678.3	855.5	1107.2	1437.8	1640.7	1760.5	1748.4	1344.5
60°	320.0	332.7	378.7	487.9	663.5	925.5	1338.1	1635.8	1878.8	1877.6	1472.6
62.5°	177.5	187.6	220.9	306.0	463.1	716.7	1181.4	1586.4	1993.3	2000.5	1578.2
65°	90.8	97.3	117.5	168.3	280.3	508.2	975.3	1473.2	2046.3	2064.4	1606.1
67.5°	59.4	61.5	66.4	87.4	150.1	319.7	734.0	1291.7	1971.7	1992.9	1512.8
70°	48.3	50.0	52.8	58.3	77.4	169.8	482.0	1031.7	1647.5	1661.9	1204.6
72.5°	35.4	37.7	43.2	46.7	55.8	93.1	250.8	677.2	1131.4	1156.8	757.0
75°	26.1	27.4	32.0	36.9	45.6	58.9	96.0	356.0	584.2	569.5	318.0
77.5°	15.7	16.7	20.4	23.7	32.6	36.7	33.5	131.5	177.7	167.1	76.8
80°	7.8	8.7	13.4	17.8	20.8	14.8	14.0	36.7	39.6	39.6	19.3
82.5°	2.6	3.4	7.2	11.7	10.2	5.7	6.6	9.5	10.6	11.2	5.7
85°	0.0	0.0	1.7	3.4	1.5	0.8	1.7	2.1	2.6	2.8	1.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.8	0.8
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°	188.5	188.5	188.5	188.5	188.5	188.5	188.5	188.5	188.5	188.5	188.5
2.5°	193.4	184.5	171.1	159.0	149.7	141.0	134.4	129.1	128.1	125.1	125.5
5°	202.1	186.0	161.2	142.1	128.7	119.6	112.0	106.4	103.9	101.4	99.6
7.5°	215.6	192.3	157.5	134.2	118.5	104.5	92.7	83.3	78.7	75.9	74.0
10°	232.0	201.0	157.7	129.5	106.2	84.8	68.7	58.3	53.4	51.9	51.7
12.5°	251.7	212.0	159.2	121.7	88.4	63.0	50.9	46.2	44.7	43.3	43.3
15°	272.5	224.3	159.2	107.5	67.4	49.2	44.1	41.1	39.2	38.4	38.0
17.5°	294.5	235.8	155.4	88.0	51.7	43.3	39.2	36.3	34.8	33.7	33.3
20°	318.0	246.8	145.9	67.4	44.3	38.8	34.8	32.0	30.5	29.3	29.3
22.5°	341.8	257.0	130.6	51.9	39.2	34.4	30.7	28.0	26.5	25.4	25.4
25°	363.9	263.8	110.9	42.8	35.4	30.7	27.3	24.6	22.9	22.1	21.8
27.5°	384.6	268.2	89.1	37.7	31.8	27.4	23.8	21.4	20.1	19.5	19.1
30°	406.0	269.3	68.1	34.3	28.8	24.2	20.8	18.9	17.8	17.0	17.0
32.5°	426.8	268.0	52.0	31.4	26.1	21.4	18.5	16.8	15.9	15.3	15.1
35°	448.0	261.9	42.2	29.0	23.5	18.7	16.5	15.1	14.6	13.8	13.8
37.5°	471.1	253.8	36.7	26.5	20.8	16.8	14.8	13.8	13.1	12.5	12.3
40°	499.8	244.3	33.7	24.4	18.4	15.1	13.2	12.3	11.7	11.2	11.0
42.5°	533.9	235.1	32.2	22.1	16.5	13.4	11.9	10.8	10.2	9.5	9.3
45°	582.2	233.0	30.5	19.7	14.8	12.1	10.4	9.3	8.5	7.9	7.8
47.5°	659.8	238.8	27.6	17.0	13.1	10.6	8.9	7.9	7.0	6.4	6.1
50°	736.8	237.3	24.8	14.8	11.5	9.1	7.6	6.6	5.7	5.1	4.9
52.5°	778.8	230.1	22.1	13.1	10.0	7.8	6.4	5.3	4.7	4.2	4.0
55°	816.8	227.3	19.5	11.4	8.5	6.8	5.3	4.4	4.0	3.4	3.2
57.5°	891.4	233.9	17.2	9.8	7.4	5.9	4.5	3.6	3.2	2.6	2.5
60°	969.4	234.7	14.8	8.5	6.4	4.9	3.6	2.8	2.5	1.9	1.7
62.5°	1010.1	215.6	12.1	7.2	5.3	4.2	3.0	2.3	1.9	1.1	1.1
65°	976.0	174.3	10.2	5.9	4.2	3.2	2.3	1.7	1.1	0.6	0.2
67.5°	863.8	124.0	8.5	4.7	3.0	2.3	1.7	1.1	0.2	0.0	0.0
70°	632.5	70.8	6.6	3.4	2.3	1.5	1.1	0.6	0.0	0.0	0.0
72.5°	388.7	37.9	4.9	2.3	1.7	1.1	0.9	0.4	0.0	0.0	0.0
75°	147.4	18.2	3.0	1.5	1.3	0.9	0.6	0.2	0.0	0.0	0.0
77.5°	39.9	8.9	1.7	1.1	0.9	0.6	0.4	0.0	0.0	0.0	0.0
80°	10.4	4.2	1.1	0.8	0.6	0.4	0.0	0.0	0.0	0.0	0.0
82.5°	3.6	1.9	0.6	0.6	0.4	0.2	0.0	0.0	0.0	0.0	0.0
85°	1.5	0.8	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.6	0.2	0.2	0.2	0.2	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)