

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: P629366

Luminaire Tested: GWS-SA1B-740-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629366
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2890.4 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

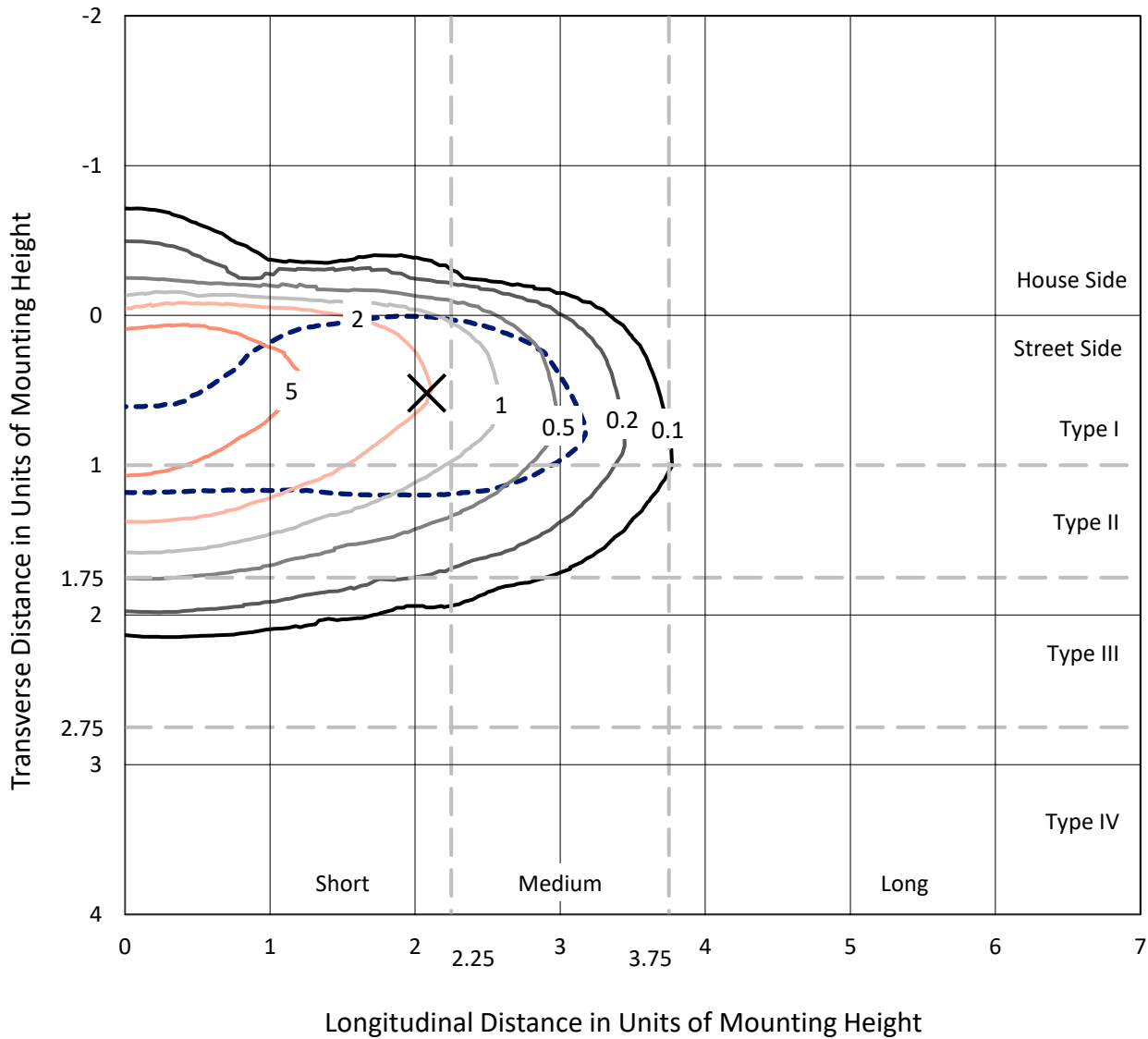
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

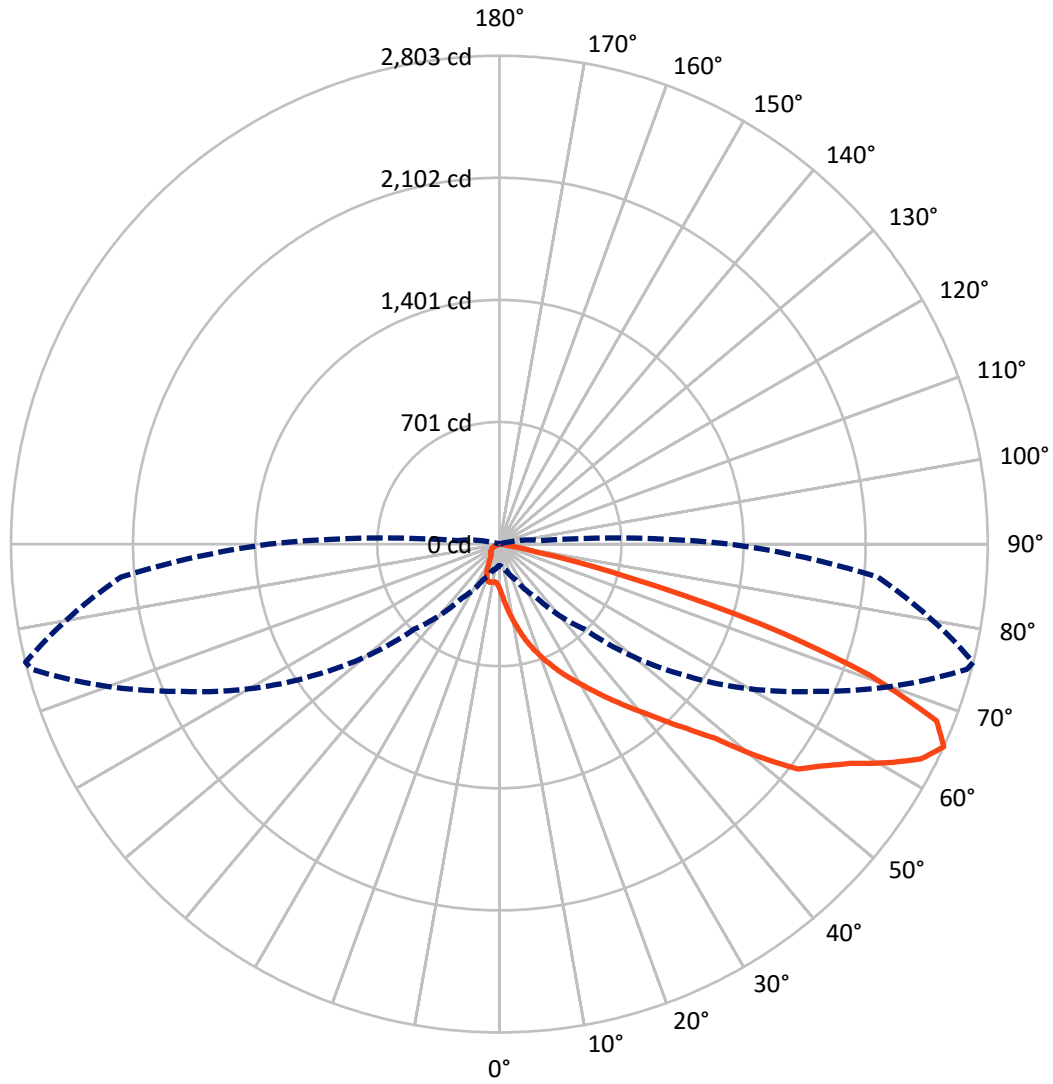
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.7 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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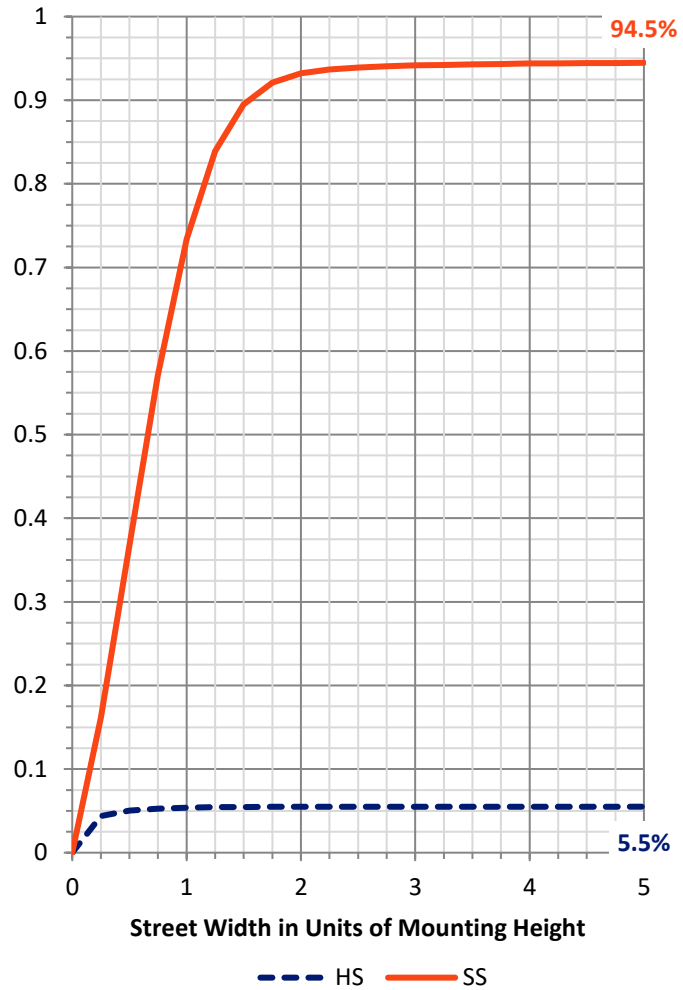
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	159.8	0.0	159.8
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	2730.6	0.0	2730.6
	% Fixture	94.5	0.0	94.5
Total	Lumens	2890.4	0.0	2890.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.1	1.1
10°-20°	118.1	4.1
20°-30°	241.0	8.3
30°-40°	428.6	14.8
40°-50°	633.6	21.9
50°-60°	725.5	25.1
60°-70°	553.5	19.1
70°-80°	155.0	5.4
80°-90°	3.9	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°	2890.4	100.0
0°-180°	2890.4	100.0

Coefficient of Utilization



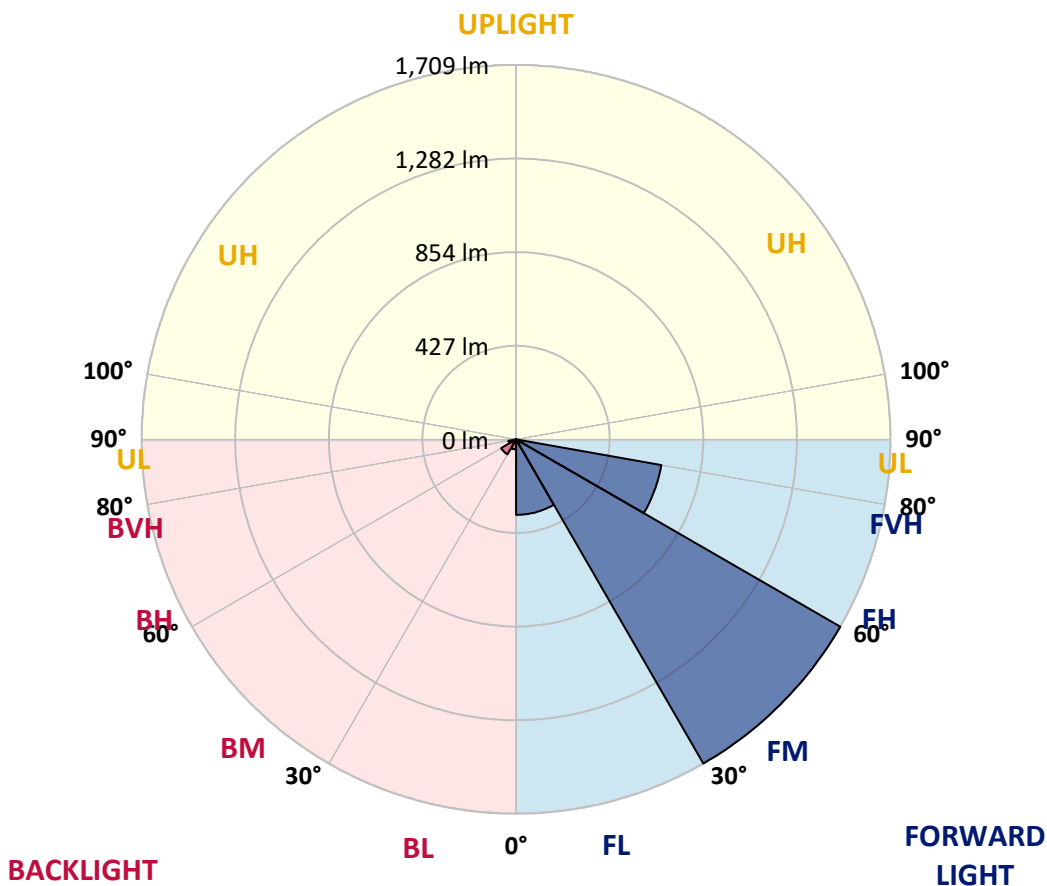
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	344.7	11.9			
FM (30°-60°)	1708.9	59.1			
FH (60°-80°)	673.4	23.3			G1/1800
FVH (80°-90°)	3.7	0.1			G0/10
BL (0°-30°)	45.6	1.6	B0/110		
BM (30°-60°)	78.9	2.7	B0/220		
BH (60°-80°)	35.1	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-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	255.9	255.9	255.9	255.9	255.9	255.9	255.9	255.9	255.9	255.9	255.9
2.5°	394.4	400.3	395.7	388.0	373.1	358.7	340.2	314.7	294.4	291.9	272.9
5°	532.6	532.1	522.1	512.1	496.4	471.7	434.5	387.2	341.7	337.9	295.2
7.5°	614.8	615.6	610.0	602.3	586.8	561.4	522.6	465.6	399.0	391.3	325.8
10°	684.0	683.7	679.6	676.0	662.1	645.2	603.5	540.8	460.7	448.6	360.0
12.5°	735.9	737.7	739.7	743.3	737.4	720.7	681.4	613.0	523.1	509.8	399.0
15°	777.0	777.5	785.2	799.1	803.9	795.2	759.5	682.9	584.8	573.2	444.0
17.5°	789.3	790.3	803.4	828.9	854.6	859.4	832.5	753.3	645.4	633.1	487.7
20°	815.3	817.6	827.3	849.7	882.1	908.3	897.7	824.5	706.1	689.9	532.4
22.5°	897.0	898.2	894.9	897.7	914.4	944.7	951.2	893.4	768.2	751.0	580.7
25°	1037.5	1038.0	1014.6	992.5	979.9	985.6	999.7	956.8	829.9	812.9	625.6
27.5°	1183.4	1185.2	1157.2	1119.7	1074.8	1049.1	1044.9	1014.9	892.1	873.3	670.1
30°	1320.9	1320.9	1291.3	1245.6	1185.5	1135.4	1105.8	1073.5	958.6	938.1	715.6
32.5°	1444.5	1443.5	1405.7	1356.1	1296.7	1241.8	1179.6	1134.6	1032.6	1009.7	768.0
35°	1546.5	1543.9	1501.0	1453.5	1390.0	1349.2	1279.8	1200.4	1112.8	1089.9	821.9
37.5°	1623.6	1620.7	1581.4	1531.1	1472.2	1445.8	1387.7	1279.3	1197.3	1176.5	881.8
40°	1665.4	1659.8	1632.6	1595.0	1545.7	1522.6	1498.4	1377.2	1296.7	1270.8	952.5
42.5°	1677.8	1671.1	1653.1	1635.6	1605.8	1587.6	1613.5	1487.6	1405.9	1383.6	1033.1
45°	1641.3	1637.4	1635.9	1648.5	1653.9	1659.0	1723.0	1609.9	1526.4	1509.5	1134.6
47.5°	1553.4	1552.4	1566.0	1618.4	1675.5	1729.7	1842.0	1760.8	1682.7	1664.4	1276.4
50°	1391.0	1401.6	1439.6	1531.6	1645.7	1769.8	1953.2	1969.9	1935.5	1908.8	1461.4
52.5°	1137.2	1157.5	1242.8	1382.6	1546.5	1758.5	2004.6	2137.4	2172.6	2144.9	1594.0
55°	892.3	911.3	987.4	1164.7	1383.3	1672.4	2006.9	2195.2	2272.1	2246.4	1683.7
57.5°	664.7	682.2	751.3	920.8	1161.3	1503.1	1951.9	2227.4	2390.0	2373.6	1825.3
60°	434.5	451.7	514.1	662.4	900.8	1256.4	1816.5	2220.7	2550.6	2549.0	1999.2
62.5°	241.0	254.6	299.8	415.5	628.7	973.0	1603.8	2153.6	2706.0	2715.8	2142.6
65°	123.3	132.1	159.6	228.4	380.5	689.9	1324.0	2000.0	2778.0	2802.6	2180.3
67.5°	80.7	83.5	90.2	118.7	203.7	434.0	996.4	1753.6	2676.7	2705.5	2053.7
70°	65.5	67.8	71.7	79.1	105.1	230.5	654.4	1400.5	2236.6	2256.1	1635.4
72.5°	48.0	51.1	58.6	63.5	75.8	126.4	340.4	919.3	1535.9	1570.4	1027.7
75°	35.5	37.3	43.4	50.1	61.9	79.9	130.3	483.3	793.2	773.1	431.6
77.5°	21.3	22.6	27.7	32.1	44.2	49.8	45.5	178.6	241.3	226.9	104.3
80°	10.5	11.8	18.2	24.2	28.3	20.0	19.0	49.8	53.7	53.7	26.2
82.5°	3.6	4.6	9.8	15.9	13.9	7.7	9.0	12.8	14.4	15.2	7.7
85°	0.0	0.0	2.3	4.6	2.1	1.0	2.3	2.8	3.6	3.9	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	1.0	1.0
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°	255.9	255.9	255.9	255.9	255.9	255.9	255.9	255.9	255.9	255.9	255.9
2.5°	262.6	250.5	232.3	215.8	203.2	191.4	182.4	175.2	173.9	169.8	170.3
5°	274.4	252.6	218.9	193.0	174.7	162.4	152.1	144.4	141.1	137.7	135.1
7.5°	292.6	261.0	213.8	182.2	160.8	141.8	125.9	113.1	106.9	103.0	100.5
10°	315.0	272.9	214.0	175.7	144.1	115.1	93.3	79.1	72.5	70.4	70.1
12.5°	341.7	287.8	216.1	165.2	120.0	85.6	69.1	62.7	60.6	58.8	58.8
15°	370.0	304.5	216.1	145.9	91.5	66.8	59.9	55.8	53.2	52.2	51.6
17.5°	399.8	320.1	210.9	119.5	70.1	58.8	53.2	49.3	47.3	45.7	45.2
20°	431.6	335.0	198.1	91.5	60.1	52.7	47.3	43.4	41.4	39.8	39.8
22.5°	464.0	348.9	177.3	70.4	53.2	46.8	41.6	38.0	36.0	34.4	34.4
25°	494.1	358.2	150.6	58.1	48.0	41.6	37.0	33.4	31.1	30.1	29.5
27.5°	522.1	364.1	121.0	51.1	43.2	37.3	32.4	29.0	27.2	26.5	26.0
30°	551.1	365.6	92.5	46.5	39.1	32.9	28.3	25.7	24.2	23.1	23.1
32.5°	579.4	363.8	70.7	42.7	35.5	29.0	25.2	22.9	21.6	20.8	20.6
35°	608.2	355.6	57.3	39.3	31.9	25.4	22.4	20.6	19.8	18.8	18.8
37.5°	639.5	344.5	49.8	36.0	28.3	22.9	20.0	18.8	17.7	17.0	16.7
40°	678.6	331.7	45.7	33.1	24.9	20.6	18.0	16.7	15.9	15.2	14.9
42.5°	724.8	319.1	43.7	30.1	22.4	18.2	16.2	14.6	13.9	12.8	12.6
45°	790.3	316.3	41.4	26.7	20.0	16.4	14.1	12.6	11.6	10.8	10.5
47.5°	895.7	324.3	37.5	23.1	17.7	14.4	12.1	10.8	9.5	8.7	8.2
50°	1000.2	322.2	33.7	20.0	15.7	12.3	10.3	9.0	7.7	6.9	6.7
52.5°	1057.3	312.4	30.1	17.7	13.6	10.5	8.7	7.2	6.4	5.7	5.4
55°	1108.9	308.6	26.5	15.4	11.6	9.2	7.2	5.9	5.4	4.6	4.4
57.5°	1210.2	317.6	23.4	13.4	10.0	8.0	6.2	4.9	4.4	3.6	3.3
60°	1316.0	318.6	20.0	11.6	8.7	6.7	4.9	3.9	3.3	2.6	2.3
62.5°	1371.3	292.6	16.4	9.8	7.2	5.7	4.1	3.1	2.6	1.5	1.5
65°	1325.0	236.6	13.9	8.0	5.7	4.4	3.1	2.3	1.5	0.8	0.3
67.5°	1172.6	168.3	11.6	6.4	4.1	3.1	2.3	1.5	0.3	0.0	0.0
70°	858.7	96.1	9.0	4.6	3.1	2.1	1.5	0.8	0.0	0.0	0.0
72.5°	527.7	51.4	6.7	3.1	2.3	1.5	1.3	0.5	0.0	0.0	0.0
75°	200.2	24.7	4.1	2.1	1.8	1.3	0.8	0.3	0.0	0.0	0.0
77.5°	54.2	12.1	2.3	1.5	1.3	0.8	0.5	0.0	0.0	0.0	0.0
80°	14.1	5.7	1.5	1.0	0.8	0.5	0.0	0.0	0.0	0.0	0.0
82.5°	4.9	2.6	0.8	0.8	0.5	0.3	0.0	0.0	0.0	0.0	0.0
85°	2.1	1.0	0.5	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.8	0.3	0.3	0.3	0.3	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)