

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: P630354

Luminaire Tested: GWS-SA1D-740-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630354
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-SA1D-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: 4890.3 lumens
Efficiency: N/A
Efficacy: 110.4 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

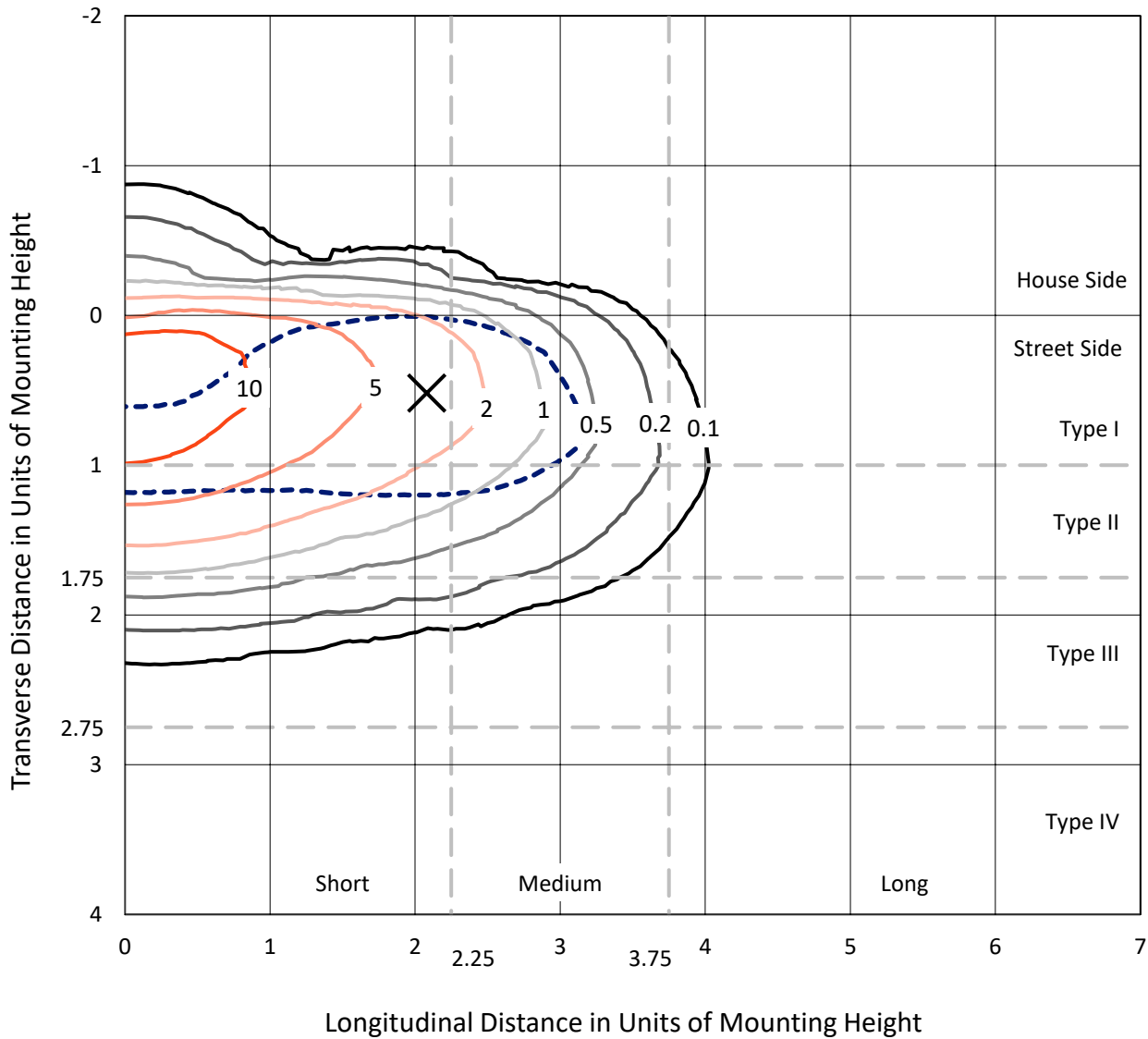
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

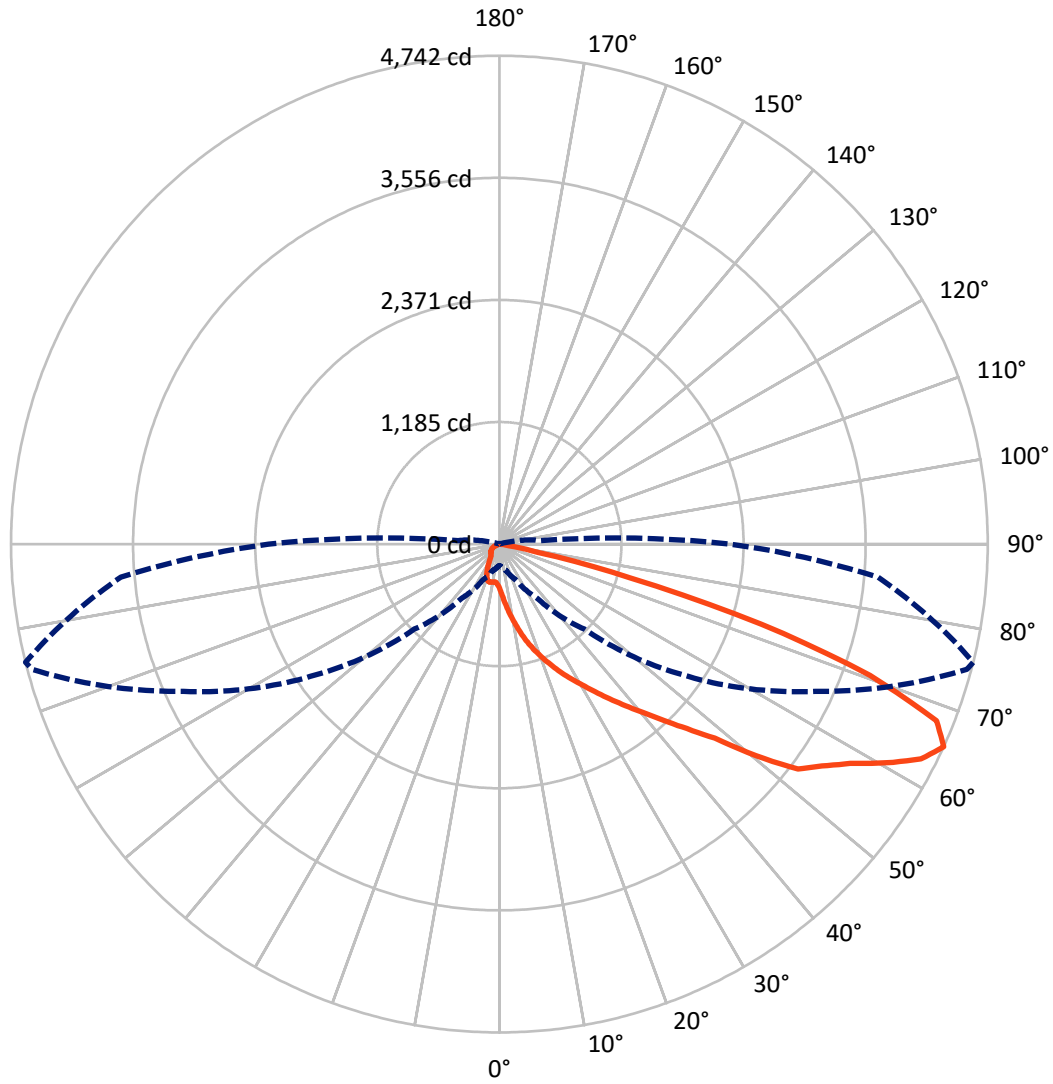
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.7 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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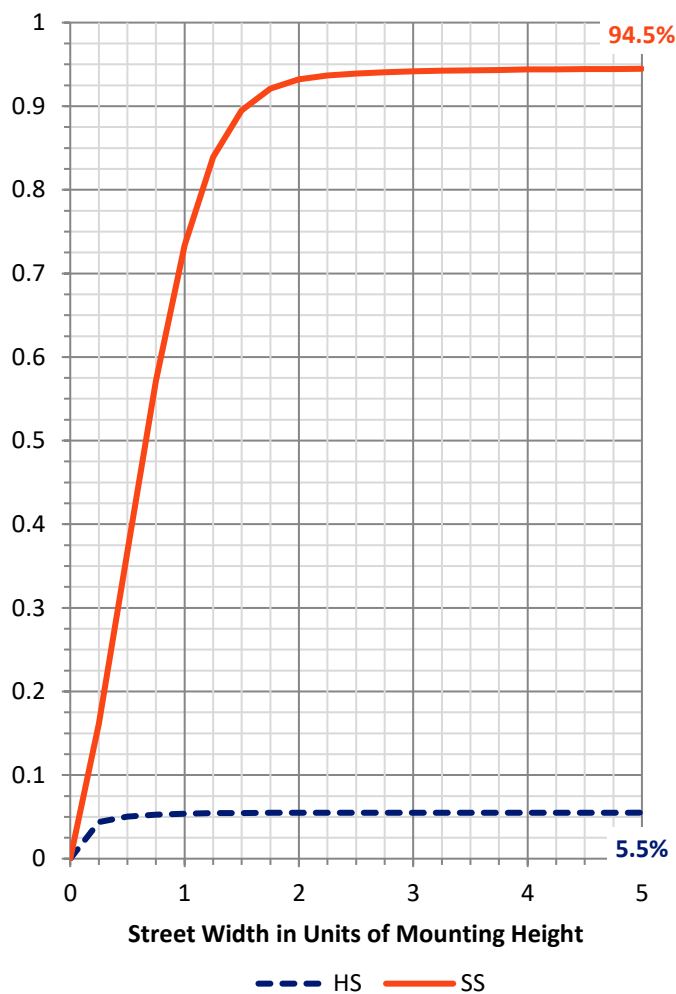
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	270.4	0.0	270.4
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	4619.9	0.0	4619.9
	% Fixture	94.5	0.0	94.5
Total	Lumens	4890.3	0.0	4890.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.7	1.1
10°-20°	199.9	4.1
20°-30°	407.8	8.3
30°-40°	725.2	14.8
40°-50°	1072.0	21.9
50°-60°	1227.4	25.1
60°-70°	936.4	19.1
70°-80°	262.3	5.4
80°-90°	6.6	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°	4890.3	100.0
0°-180°	4890.3	100.0

Coefficient of Utilization



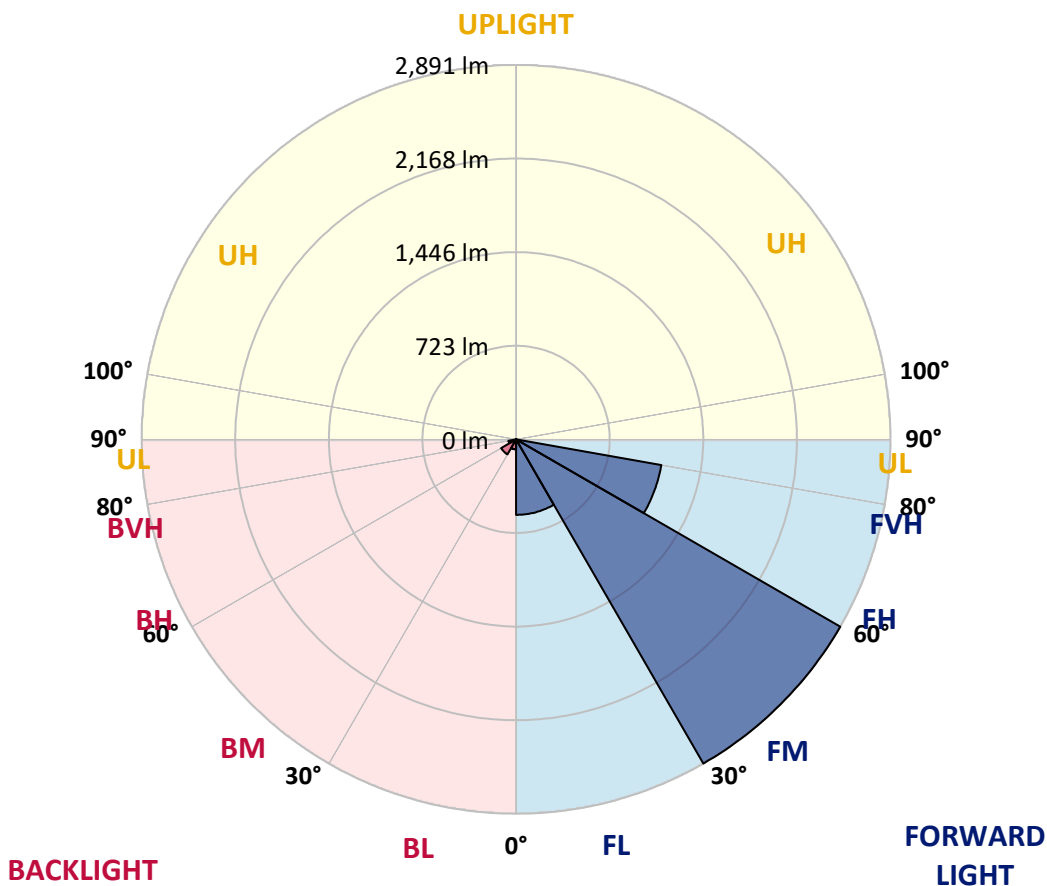
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	583.1	11.9			
FM (30°-60°)	2891.2	59.1			
FH (60°-80°)	1139.3	23.3			G1/1800
FVH (80°-90°)	6.2	0.1			G0/10
BL (0°-30°)	77.2	1.6	B0/110		
BM (30°-60°)	133.4	2.7	B0/220		
BH (60°-80°)	59.4	1.2	B0/110		G0/110
BVH (80°-90°)	0.4	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°	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0
2.5°	667.3	677.3	669.5	656.4	631.2	606.9	575.6	532.5	498.2	493.8	461.7
5°	901.2	900.3	883.3	866.4	839.9	798.1	735.1	655.1	578.2	571.6	499.5
7.5°	1040.3	1041.6	1032.0	1019.0	992.9	949.8	884.2	787.7	675.1	662.1	551.2
10°	1157.2	1156.8	1149.8	1143.7	1120.2	1091.6	1021.1	915.1	779.4	759.0	609.0
12.5°	1245.0	1248.0	1251.5	1257.6	1247.6	1219.4	1152.8	1037.2	885.1	862.5	675.1
15°	1314.6	1315.4	1328.5	1351.9	1360.2	1345.4	1285.0	1155.5	989.4	969.8	751.2
17.5°	1335.4	1337.2	1359.3	1402.4	1445.8	1454.1	1408.5	1274.6	1092.0	1071.1	825.1
20°	1379.3	1383.2	1399.8	1437.6	1492.4	1536.7	1518.9	1395.0	1194.6	1167.2	900.7
22.5°	1517.6	1519.7	1514.1	1518.9	1547.1	1598.4	1609.3	1511.5	1299.8	1270.7	982.4
25°	1755.4	1756.2	1716.7	1679.3	1658.0	1667.5	1691.5	1618.9	1404.1	1375.4	1058.5
27.5°	2002.3	2005.3	1957.9	1894.5	1818.4	1774.9	1768.0	1717.1	1509.3	1477.6	1133.7
30°	2234.8	2234.8	2184.8	2107.5	2005.7	1921.0	1871.0	1816.2	1621.9	1587.1	1210.7
32.5°	2443.9	2442.2	2378.3	2294.4	2194.0	2100.9	1995.7	1919.7	1747.1	1708.4	1299.3
35°	2616.5	2612.2	2539.6	2459.1	2351.8	2282.7	2165.3	2031.0	1882.7	1844.0	1390.6
37.5°	2746.9	2742.1	2675.6	2590.4	2490.9	2446.1	2347.9	2164.4	2025.7	1990.5	1491.9
40°	2817.8	2808.2	2762.1	2698.7	2615.2	2576.1	2535.2	2330.0	2194.0	2150.1	1611.5
42.5°	2838.6	2827.3	2796.9	2767.4	2716.9	2686.1	2730.0	2517.0	2378.7	2340.9	1748.0
45°	2776.9	2770.4	2767.8	2789.1	2798.2	2806.9	2915.2	2723.9	2582.6	2553.9	1919.7
47.5°	2628.2	2626.5	2649.5	2738.2	2834.7	2926.5	3116.4	2979.1	2846.9	2816.0	2159.6
50°	2353.5	2371.3	2435.7	2591.3	2784.3	2994.3	3304.7	3332.9	3274.7	3229.5	2472.6
52.5°	1924.0	1958.4	2102.7	2339.2	2616.5	2975.1	3391.6	3616.3	3675.9	3628.9	2696.9
55°	1509.7	1541.9	1670.6	1970.5	2340.5	2829.5	3395.5	3714.2	3844.1	3800.7	2848.6
57.5°	1124.6	1154.2	1271.1	1558.0	1964.9	2543.0	3302.5	3768.5	4043.7	4015.8	3088.2
60°	735.1	764.2	869.9	1120.7	1524.1	2125.7	3073.4	3757.2	4315.4	4312.7	3382.5
62.5°	407.8	430.8	507.3	702.9	1063.7	1646.2	2713.5	3643.7	4578.4	4594.9	3625.0
65°	208.7	223.4	270.0	386.5	643.8	1167.2	2240.1	3383.8	4700.1	4741.8	3688.9
67.5°	136.5	141.3	152.6	200.8	344.7	734.2	1685.8	2966.9	4528.8	4577.5	3474.6
70°	110.9	114.8	121.3	133.9	177.8	389.9	1107.2	2369.6	3784.1	3817.2	2766.9
72.5°	81.3	86.5	99.1	107.4	128.2	213.9	576.0	1555.4	2598.7	2656.9	1738.8
75°	60.0	63.0	73.5	84.8	104.8	135.2	220.4	817.7	1341.9	1308.0	730.3
77.5°	36.1	38.3	46.9	54.3	74.8	84.3	76.9	302.1	408.2	383.8	176.5
80°	17.8	20.0	30.9	40.9	47.8	33.9	32.2	84.3	90.9	90.9	44.3
82.5°	6.1	7.8	16.5	27.0	23.5	13.0	15.2	21.7	24.3	25.6	13.0
85°	0.0	0.0	3.9	7.8	3.5	1.7	3.9	4.8	6.1	6.5	4.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.3	1.7	1.7
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°	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0
2.5°	444.3	423.8	393.0	365.2	343.9	323.9	308.6	296.5	294.3	287.3	288.2
5°	464.3	427.3	370.4	326.5	295.6	274.7	257.3	244.3	238.7	233.0	228.7
7.5°	495.1	441.7	361.7	308.2	272.1	240.0	213.0	191.3	180.8	174.3	170.0
10°	533.0	461.7	362.1	297.3	243.9	194.7	157.8	133.9	122.6	119.1	118.7
12.5°	578.2	486.9	365.6	279.5	203.0	144.8	116.9	106.1	102.6	99.5	99.5
15°	626.0	515.1	365.6	246.9	154.8	113.0	101.3	94.3	90.0	88.2	87.4
17.5°	676.4	541.6	356.9	202.1	118.7	99.5	90.0	83.5	80.0	77.4	76.5
20°	730.3	566.9	335.2	154.8	101.7	89.1	80.0	73.5	70.0	67.4	67.4
22.5°	785.1	590.3	299.9	119.1	90.0	79.1	70.4	64.3	60.9	58.3	58.3
25°	835.9	606.0	254.7	98.2	81.3	70.4	62.6	56.5	52.6	50.9	50.0
27.5°	883.3	616.0	204.7	86.5	73.0	63.0	54.8	49.1	46.1	44.8	43.9
30°	932.5	618.6	156.5	78.7	66.1	55.6	47.8	43.5	40.9	39.1	39.1
32.5°	980.3	615.5	119.5	72.2	60.0	49.1	42.6	38.7	36.5	35.2	34.8
35°	1029.0	601.6	96.9	66.5	53.9	43.0	37.8	34.8	33.5	31.7	31.7
37.5°	1082.0	582.9	84.3	60.9	47.8	38.7	33.9	31.7	30.0	28.7	28.3
40°	1148.1	561.2	77.4	56.1	42.2	34.8	30.4	28.3	27.0	25.6	25.2
42.5°	1226.3	539.9	73.9	50.9	37.8	30.9	27.4	24.8	23.5	21.7	21.3
45°	1337.2	535.1	70.0	45.2	33.9	27.8	23.9	21.3	19.6	18.3	17.8
47.5°	1515.4	548.6	63.5	39.1	30.0	24.3	20.4	18.3	16.1	14.8	13.9
50°	1692.3	545.1	56.9	33.9	26.5	20.9	17.4	15.2	13.0	11.7	11.3
52.5°	1788.8	528.6	50.9	30.0	23.0	17.8	14.8	12.2	10.9	9.6	9.1
55°	1876.2	522.1	44.8	26.1	19.6	15.6	12.2	10.0	9.1	7.8	7.4
57.5°	2047.5	537.3	39.6	22.6	17.0	13.5	10.4	8.3	7.4	6.1	5.7
60°	2226.6	539.0	33.9	19.6	14.8	11.3	8.3	6.5	5.7	4.3	3.9
62.5°	2320.0	495.1	27.8	16.5	12.2	9.6	7.0	5.2	4.3	2.6	2.6
65°	2241.8	400.4	23.5	13.5	9.6	7.4	5.2	3.9	2.6	1.3	0.4
67.5°	1984.0	284.7	19.6	10.9	7.0	5.2	3.9	2.6	0.4	0.0	0.0
70°	1452.8	162.6	15.2	7.8	5.2	3.5	2.6	1.3	0.0	0.0	0.0
72.5°	892.9	86.9	11.3	5.2	3.9	2.6	2.2	0.9	0.0	0.0	0.0
75°	338.6	41.7	7.0	3.5	3.0	2.2	1.3	0.4	0.0	0.0	0.0
77.5°	91.7	20.4	3.9	2.6	2.2	1.3	0.9	0.0	0.0	0.0	0.0
80°	23.9	9.6	2.6	1.7	1.3	0.9	0.0	0.0	0.0	0.0	0.0
82.5°	8.3	4.3	1.3	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0
85°	3.5	1.7	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.3	0.4	0.4	0.4	0.4	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)