

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: P629370

Luminaire Tested: GWS-SA1B-740-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629370
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-740-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2631.2 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

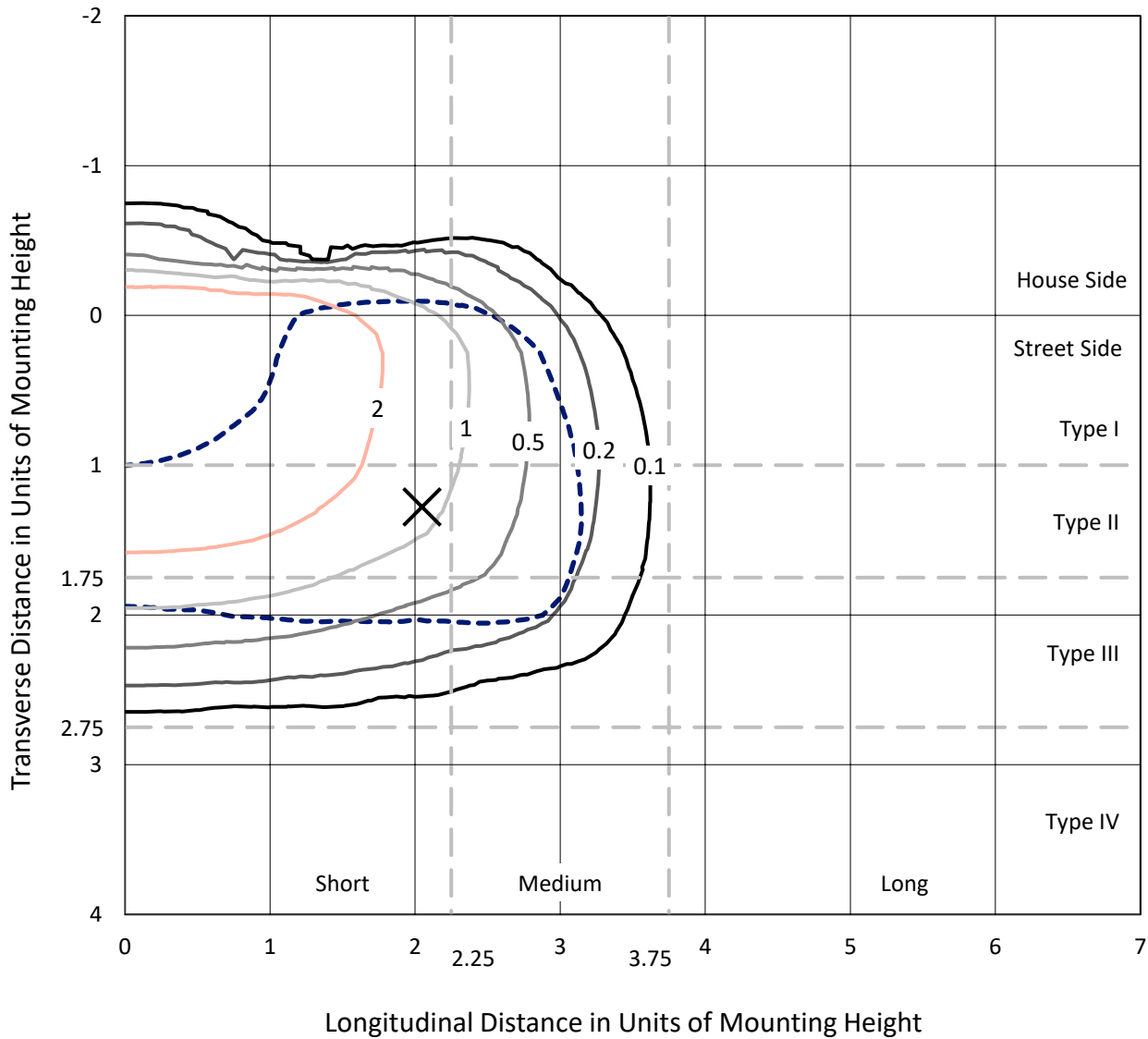
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

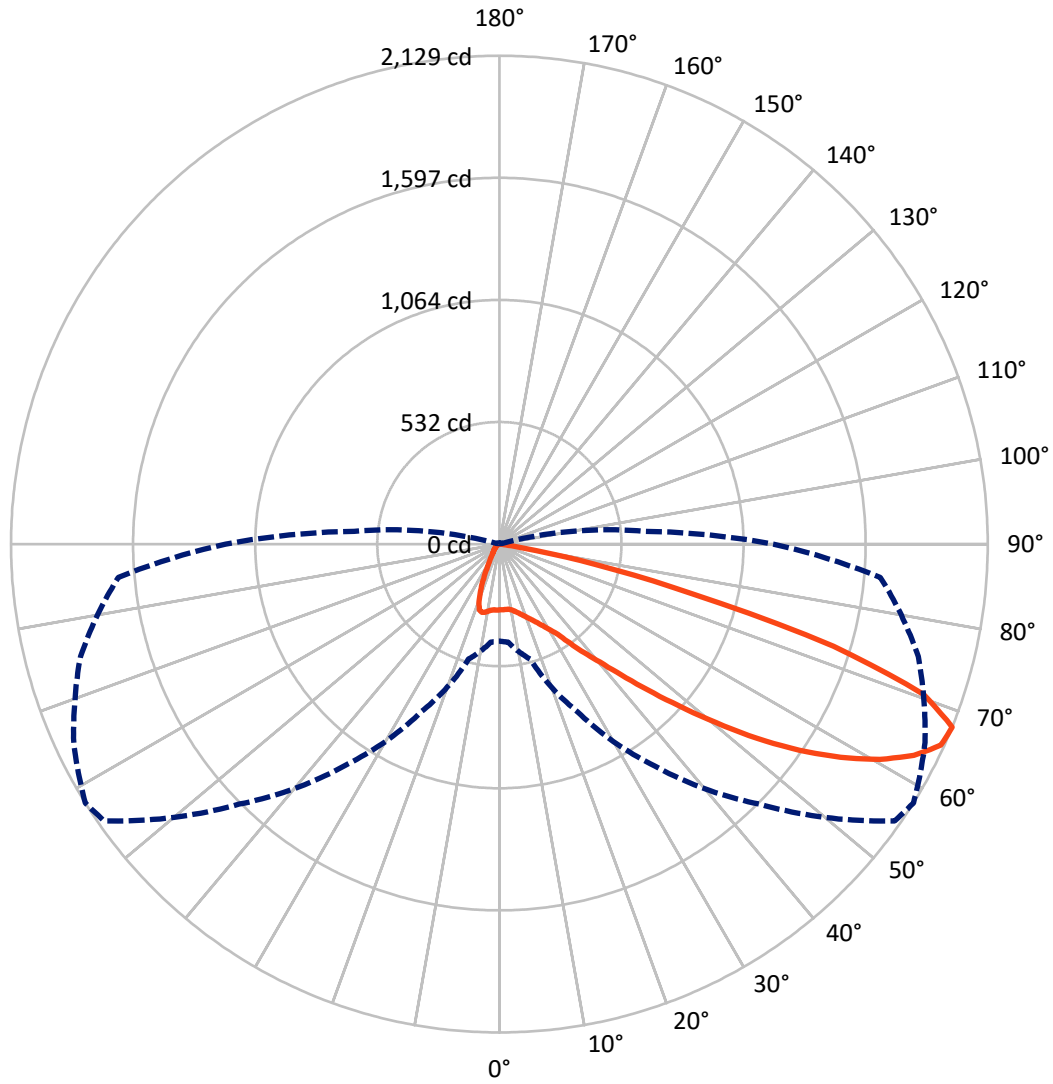
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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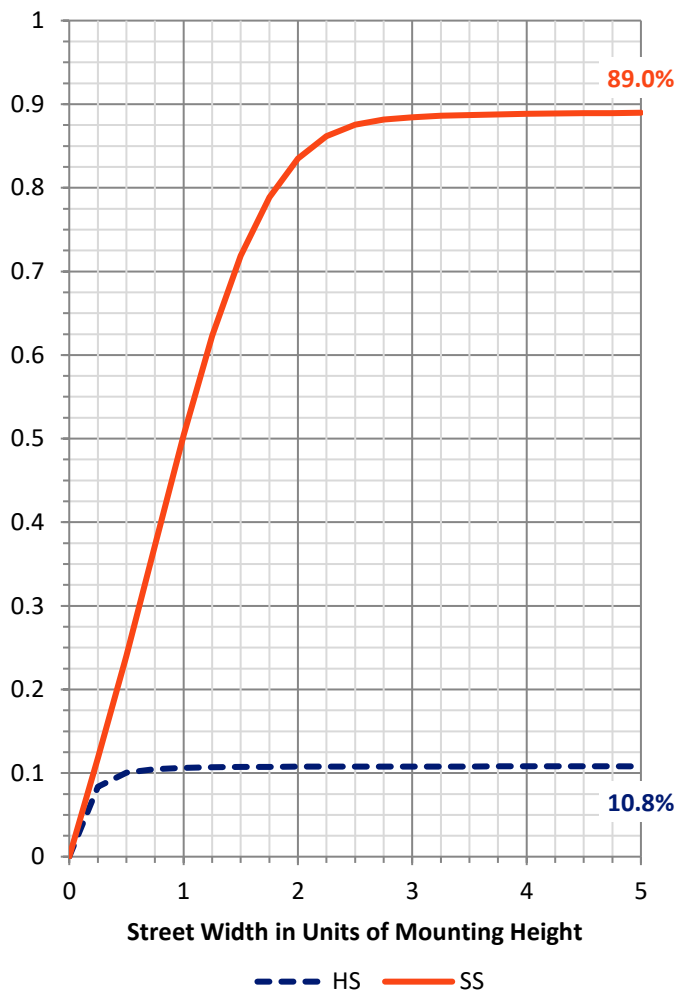
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	287.1	0.0	287.1
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	2344.1	0.0	2344.1
	% Fixture	89.1	0.0	89.1
Total	Lumens	2631.2	0.0	2631.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.9	1.0
10°-20°	75.6	2.9
20°-30°	132.0	5.0
30°-40°	235.7	9.0
40°-50°	430.9	16.4
50°-60°	716.6	27.2
60°-70°	778.4	29.6
70°-80°	228.5	8.7
80°-90°	6.5	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°	2631.2	100.0
0°-180°	2631.2	100.0

Coefficient of Utilization



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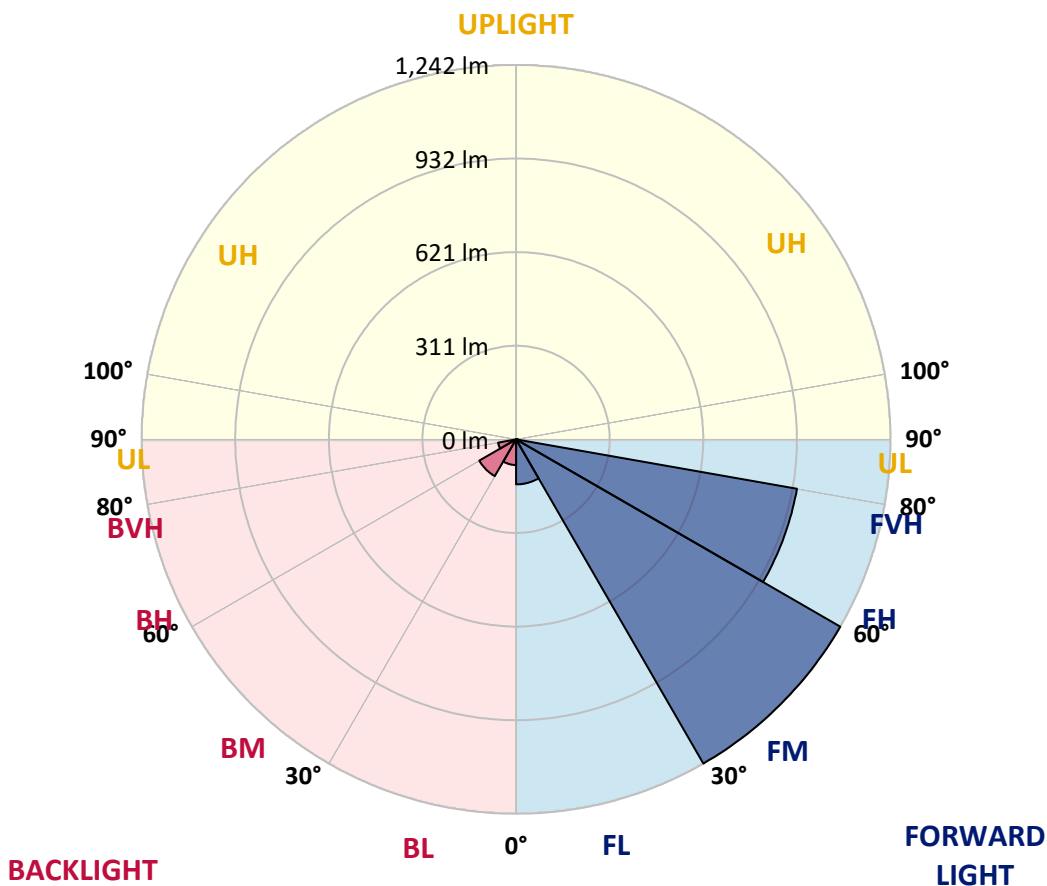
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	149.4	5.7			
FM (30°-60°)	1242.2	47.2			
FH (60°-80°)	946.3	36.0			G1/1800
FVH (80°-90°)	6.2	0.2			G0/10
BL (0°-30°)	85.1	3.2	B0/110		
BM (30°-60°)	141.0	5.4	B0/220		
BH (60°-80°)	60.6	2.3	B0/110		G0/110
BVH (80°-90°)	0.3	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	286.7	286.7	286.7	286.7	286.7	286.7	286.7	286.7	286.7	286.7	286.7
2.5°	281.3	280.8	280.8	282.9	283.1	284.2	286.5	286.7	288.0	287.5	285.7
5°	266.7	266.9	268.5	272.1	275.2	279.0	284.7	286.0	288.8	290.3	289.3
7.5°	253.1	253.3	255.6	261.3	267.2	274.9	284.2	286.7	292.4	296.5	296.7
10°	247.9	247.7	250.0	256.4	264.1	274.9	288.3	291.6	300.1	307.3	308.6
12.5°	249.5	249.2	251.5	257.4	265.9	279.5	295.5	300.1	310.9	321.9	324.2
15°	255.6	255.4	256.9	261.8	271.1	285.2	304.7	311.6	325.3	338.6	342.2
17.5°	274.1	272.8	271.3	271.8	277.2	291.9	316.5	325.0	342.0	357.9	361.0
20°	307.0	303.7	299.6	294.2	291.6	301.6	330.1	339.9	360.5	378.7	379.2
22.5°	356.6	355.3	345.8	330.1	319.1	319.4	346.1	357.4	382.6	402.6	399.8
25°	425.7	424.9	410.3	384.6	355.8	346.1	366.4	377.9	408.8	430.1	421.1
27.5°	511.5	506.1	488.9	454.2	411.3	380.8	392.1	402.3	436.5	456.5	439.6
30°	586.3	586.5	570.4	534.1	485.8	432.9	423.4	432.4	461.9	483.0	462.5
32.5°	658.2	660.5	642.8	610.2	557.3	501.0	468.4	469.9	494.6	517.4	492.5
35°	725.0	726.8	714.5	686.7	637.4	572.2	531.1	530.3	543.6	567.0	534.4
37.5°	799.8	801.6	789.5	764.6	718.3	653.6	602.2	601.2	606.6	625.6	588.3
40°	879.4	882.8	869.4	848.3	804.2	749.4	684.9	675.7	670.3	692.7	658.2
42.5°	960.1	965.2	960.6	939.6	901.8	856.6	792.3	778.0	766.4	794.4	757.9
45°	1060.3	1066.5	1064.4	1048.2	1018.9	982.2	921.6	904.9	899.5	925.4	882.0
47.5°	1156.7	1163.3	1170.8	1167.2	1146.4	1129.4	1062.1	1052.6	1051.1	1078.8	1011.5
50°	1228.3	1234.5	1263.0	1283.6	1297.7	1294.1	1235.8	1221.7	1219.3	1237.1	1148.2
52.5°	1279.7	1285.6	1324.9	1389.2	1441.1	1469.3	1410.5	1407.4	1394.8	1388.7	1276.1
55°	1319.5	1327.8	1369.1	1466.2	1570.8	1633.5	1596.8	1585.7	1553.3	1517.9	1394.8
57.5°	1327.5	1330.8	1389.2	1520.2	1671.5	1773.0	1773.0	1753.7	1691.3	1642.2	1532.0
60°	1256.1	1266.4	1345.2	1515.8	1714.7	1864.2	1919.2	1905.8	1821.6	1761.2	1664.1
62.5°	1097.6	1109.1	1205.2	1411.3	1671.5	1883.0	2029.9	2027.9	1932.8	1859.6	1773.5
65°	841.7	850.1	933.9	1180.5	1489.1	1810.8	2109.1	2114.7	2020.7	1924.6	1811.3
67.5°	422.9	428.8	519.2	806.5	1180.3	1602.9	2103.7	2128.8	2047.4	1890.2	1667.2
70°	147.7	153.6	196.3	346.1	718.3	1224.0	1921.8	1962.9	1890.4	1613.5	1229.9
72.5°	50.6	53.4	81.4	128.5	279.5	725.5	1461.4	1523.3	1393.5	1083.2	706.8
75°	28.8	30.6	43.7	69.6	117.2	238.7	829.1	867.1	812.4	590.4	290.8
77.5°	19.5	21.1	27.2	39.6	64.7	76.8	338.1	425.7	371.2	192.7	74.2
80°	11.6	12.6	16.7	23.4	33.1	29.8	72.5	96.3	124.1	57.5	22.4
82.5°	5.4	6.2	10.8	15.4	16.7	12.6	21.3	25.9	34.9	28.3	9.2
85°	0.0	0.0	3.6	6.4	6.2	3.6	5.9	6.4	9.5	14.1	3.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	1.5	2.8	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	286.7	286.7	286.7	286.7	286.7	286.7	286.7	286.7	286.7	286.7	286.7
2.5°	287.7	286.0	288.0	287.0	288.0	287.7	285.7	284.4	284.4	282.1	281.3
5°	291.3	289.5	290.1	287.7	287.2	286.0	283.4	282.4	282.4	280.0	279.3
7.5°	299.3	296.5	296.0	291.3	289.3	285.7	281.1	279.3	279.0	276.7	275.9
10°	311.9	308.6	306.2	300.3	294.4	287.2	277.5	269.3	264.6	258.5	257.9
12.5°	327.3	323.2	319.6	310.6	300.9	284.7	255.9	225.8	207.3	192.7	193.7
15°	344.5	340.7	335.0	321.4	301.4	259.2	199.1	152.9	130.3	118.2	117.7
17.5°	363.3	357.6	348.4	329.9	285.2	198.1	129.5	91.5	79.6	75.5	74.5
20°	380.8	373.8	362.3	331.7	238.4	134.1	80.9	70.9	68.9	67.6	67.6
22.5°	399.3	390.5	373.3	317.8	177.3	85.8	68.9	66.5	65.0	63.2	62.9
25°	418.0	406.7	383.3	281.6	116.1	67.6	64.5	61.9	59.1	56.3	55.5
27.5°	433.9	419.3	391.0	227.6	74.5	60.9	58.8	54.5	50.6	47.5	47.0
30°	452.9	434.2	394.4	166.5	58.6	53.7	50.6	46.0	41.4	38.3	37.3
32.5°	478.4	457.8	389.2	108.4	51.9	47.3	42.4	37.0	32.4	29.0	28.5
35°	517.9	493.5	365.6	69.1	47.0	40.9	34.9	29.3	25.4	22.9	22.4
37.5°	566.3	543.6	326.8	51.9	42.1	35.5	28.5	23.1	20.3	18.5	18.0
40°	637.9	606.3	278.8	45.5	37.3	30.1	23.4	19.0	17.0	15.4	14.9
42.5°	730.9	680.3	223.5	41.4	32.6	25.2	19.0	15.7	13.9	12.8	12.6
45°	839.6	752.5	165.2	37.3	28.3	20.8	15.7	12.8	11.6	10.8	10.5
47.5°	950.9	815.7	114.1	32.9	24.2	17.2	13.1	11.0	10.0	9.0	8.7
50°	1069.6	869.2	77.8	28.5	20.6	14.1	11.3	10.0	8.7	8.0	7.7
52.5°	1156.7	888.9	54.2	24.7	17.5	12.1	10.0	9.0	8.0	6.9	6.7
55°	1237.1	888.4	41.1	20.8	14.9	10.5	9.0	8.0	6.9	6.2	5.9
57.5°	1317.2	881.5	32.4	17.7	12.8	9.5	8.0	6.9	6.4	5.4	5.1
60°	1369.1	855.3	25.2	14.9	11.0	8.2	6.9	6.2	5.4	4.6	4.4
62.5°	1396.6	818.8	19.3	11.8	9.0	7.2	6.2	5.4	4.6	3.9	3.6
65°	1359.4	754.1	15.2	9.2	6.9	6.2	5.1	4.4	3.6	2.8	2.6
67.5°	1194.2	635.9	11.8	7.5	5.4	4.6	4.4	3.6	2.6	2.1	1.8
70°	844.0	435.5	9.2	5.7	4.1	3.6	3.3	2.8	2.1	1.5	1.3
72.5°	463.2	219.7	6.7	4.1	3.1	2.8	2.6	2.3	1.8	1.3	1.3
75°	178.3	60.4	4.9	2.8	2.1	2.1	1.8	1.8	1.5	1.0	1.0
77.5°	46.5	18.0	3.1	1.8	1.3	1.3	1.3	1.0	1.0	0.8	0.8
80°	14.9	5.9	1.8	1.3	1.0	0.8	0.8	0.5	0.8	0.5	0.5
82.5°	4.9	2.1	1.0	1.0	0.8	0.5	0.5	0.3	0.3	0.0	0.0
85°	1.8	1.0	0.8	0.5	0.5	0.5	0.3	0.0	0.0	0.0	0.0
87.5°	1.0	0.5	0.5	0.5	0.5	0.3	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)