

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: P629315

Luminaire Tested: GWS-SA1B-735-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629315
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2595.1 lumens
Efficiency: N/A
Efficacy: 103.8 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

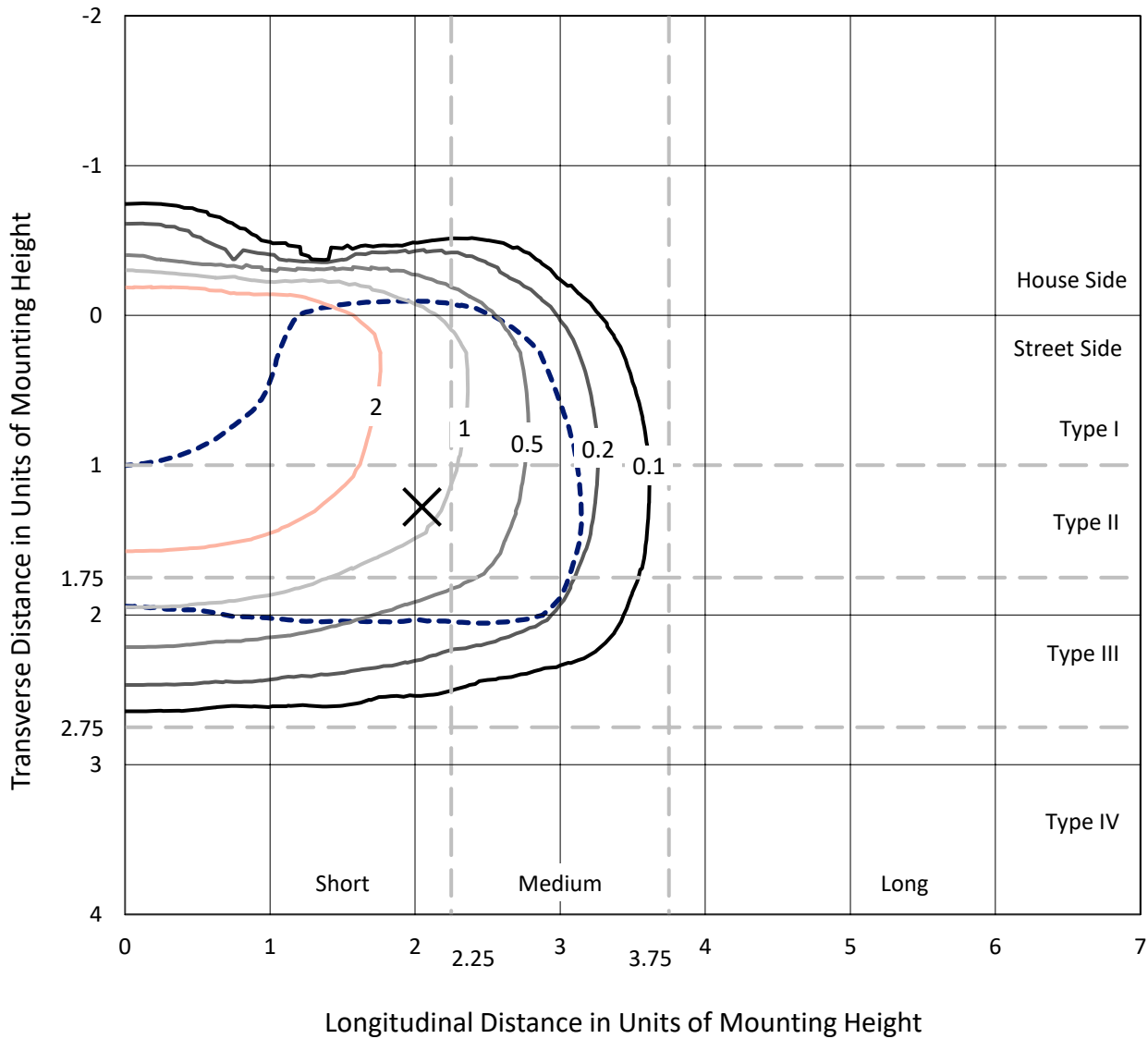
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

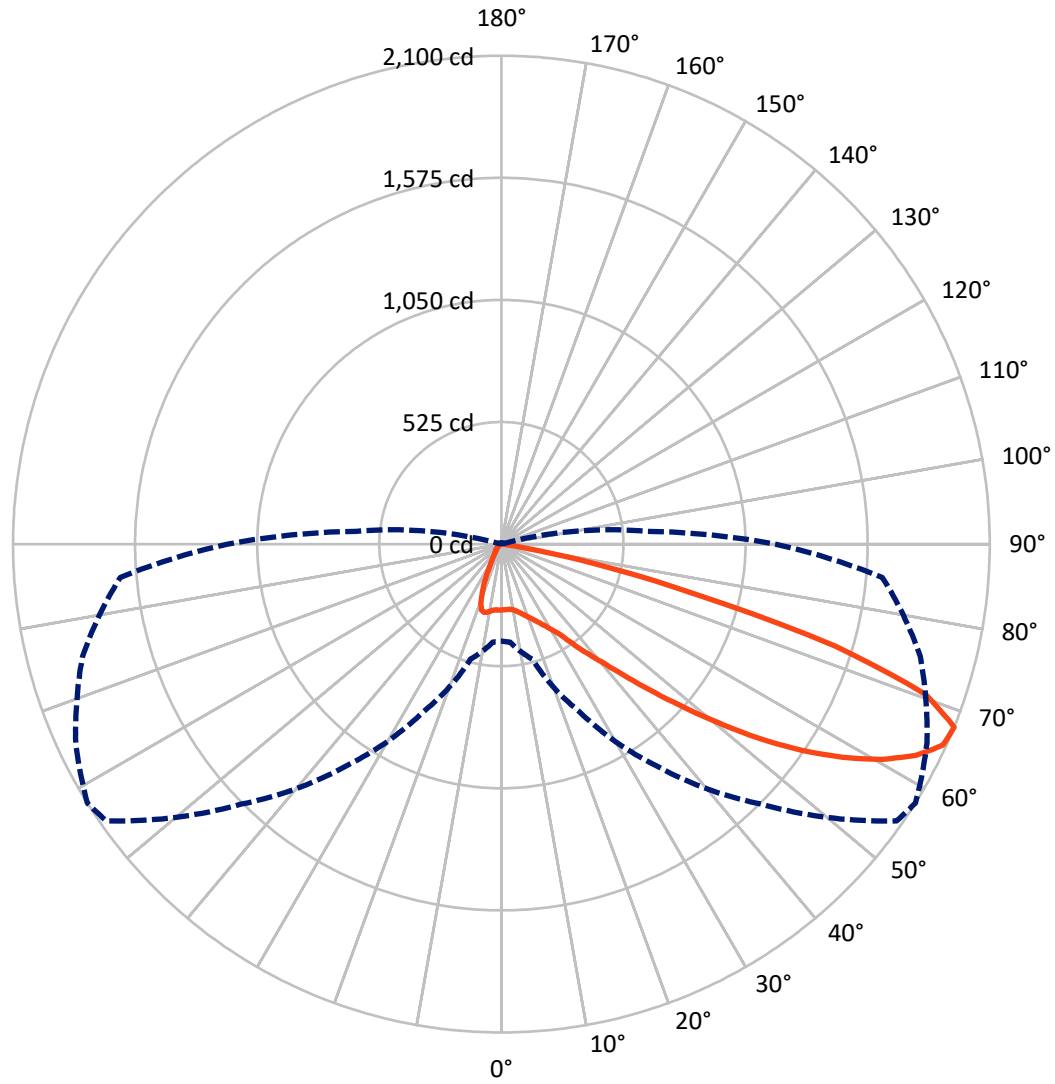
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.9 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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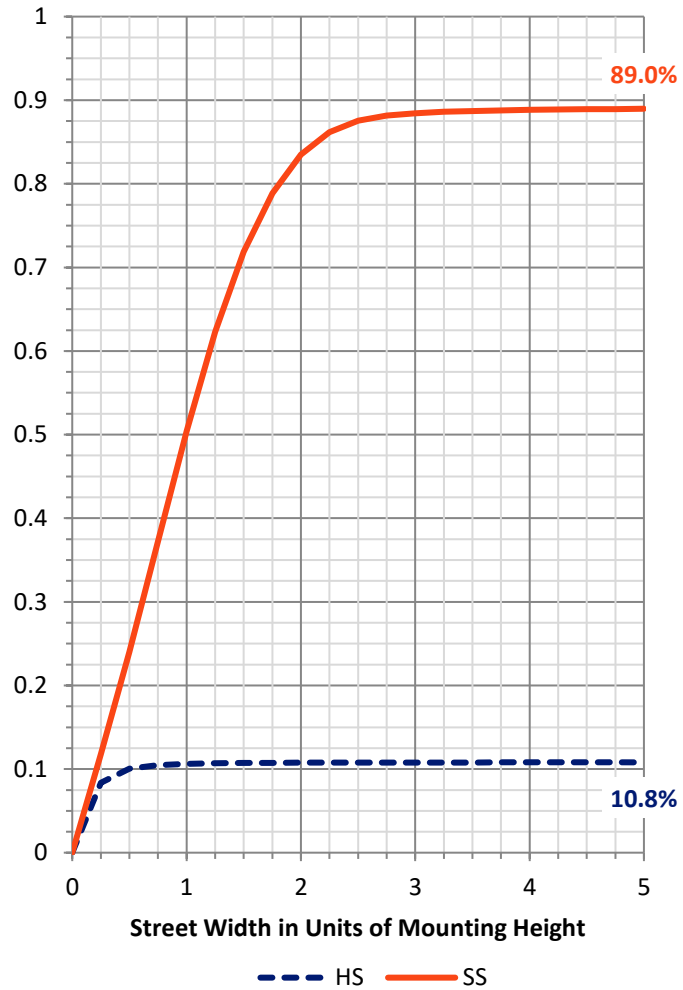
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	283.1	0.0	283.1
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	2312.0	0.0	2312.0
	% Fixture	89.1	0.0	89.1
Total	Lumens	2595.1	0.0	2595.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.6	1.0
10°-20°	74.6	2.9
20°-30°	130.2	5.0
30°-40°	232.5	9.0
40°-50°	425.0	16.4
50°-60°	706.8	27.2
60°-70°	767.7	29.6
70°-80°	225.4	8.7
80°-90°	6.4	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°	2595.1	100.0
0°-180°	2595.1	100.0

Coefficient of Utilization



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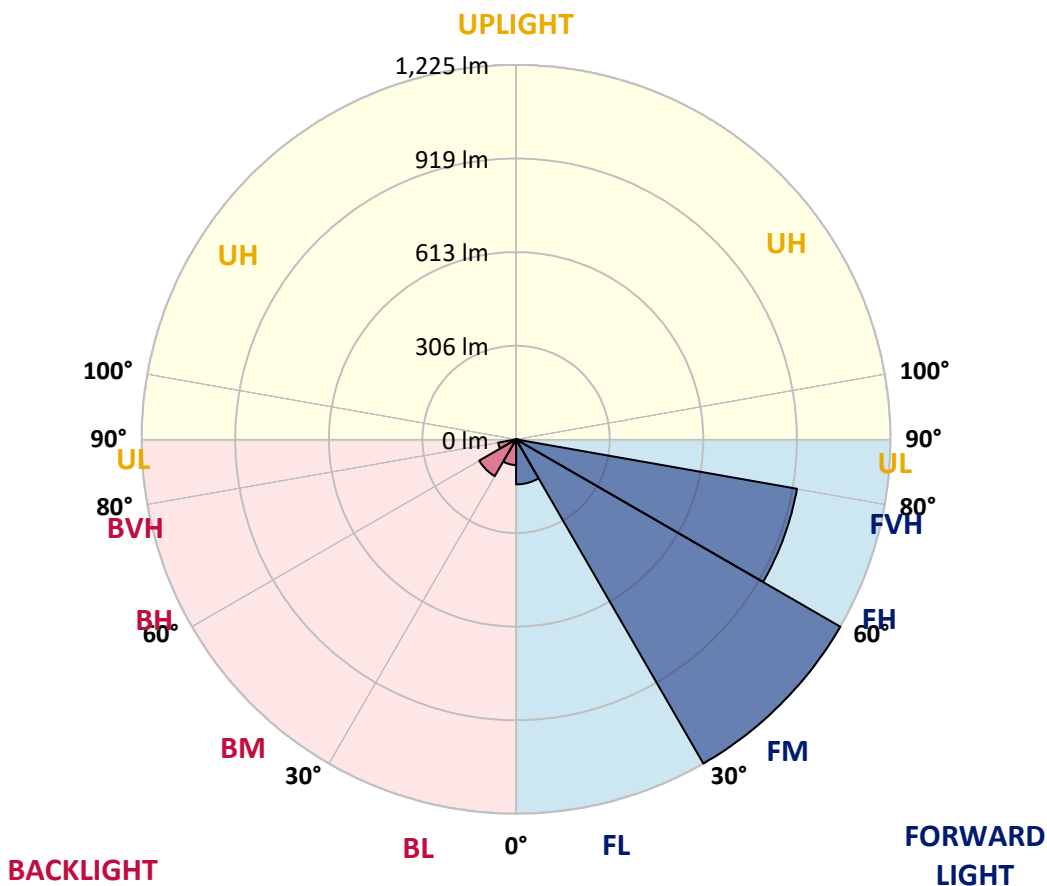
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	147.4	5.7			
FM (30°-60°)	1225.2	47.2			
FH (60°-80°)	933.3	36.0			G1/1800
FVH (80°-90°)	6.1	0.2			G0/10
BL (0°-30°)	84.0	3.2	B0/110		
BM (30°-60°)	139.1	5.4	B0/220		
BH (60°-80°)	59.8	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°	282.8	282.8	282.8	282.8	282.8	282.8	282.8	282.8	282.8	282.8	282.8
2.5°	277.5	277.0	277.0	279.0	279.2	280.3	282.5	282.8	284.1	283.5	281.8
5°	263.0	263.3	264.8	268.3	271.4	275.2	280.8	282.0	284.8	286.3	285.3
7.5°	249.6	249.8	252.1	257.7	263.5	271.1	280.3	282.8	288.4	292.4	292.7
10°	244.5	244.3	246.6	252.9	260.5	271.1	284.3	287.6	296.0	303.1	304.3
12.5°	246.0	245.8	248.1	253.9	262.3	275.7	291.4	296.0	306.6	317.5	319.8
15°	252.1	251.9	253.4	258.2	267.3	281.3	300.5	307.4	320.8	334.0	337.5
17.5°	270.4	269.1	267.6	268.1	273.4	287.9	312.2	320.5	337.3	353.0	356.0
20°	302.8	299.5	295.5	290.1	287.6	297.5	325.6	335.2	355.5	373.5	374.0
22.5°	351.7	350.4	341.1	325.6	314.7	315.0	341.3	352.5	377.3	397.1	394.3
25°	419.9	419.1	404.7	379.3	351.0	341.3	361.3	372.7	403.2	424.2	415.3
27.5°	504.5	499.2	482.2	448.0	405.7	375.5	386.7	396.8	430.5	450.3	433.6
30°	578.2	578.5	562.5	526.8	479.2	427.0	417.6	426.5	455.6	476.4	456.1
32.5°	649.2	651.5	634.0	601.8	549.6	494.1	461.9	463.5	487.8	510.3	485.8
35°	715.1	716.9	704.7	677.3	628.7	564.3	523.8	523.0	536.2	559.2	527.1
37.5°	788.8	790.6	778.7	754.1	708.5	644.6	594.0	592.9	598.3	617.0	580.3
40°	867.4	870.7	857.5	836.7	793.1	739.2	675.5	666.4	661.1	683.2	649.2
42.5°	946.9	952.0	947.4	926.7	889.4	844.8	781.5	767.3	755.9	783.5	747.5
45°	1045.8	1051.8	1049.8	1033.8	1005.0	968.7	908.9	892.5	887.1	912.7	869.9
47.5°	1140.8	1147.4	1154.7	1151.2	1130.6	1113.9	1047.5	1038.2	1036.6	1064.0	997.6
50°	1211.5	1217.6	1245.7	1266.0	1279.9	1276.3	1218.8	1204.9	1202.6	1220.1	1132.4
52.5°	1262.2	1268.0	1306.8	1370.1	1421.3	1449.2	1391.1	1388.1	1375.7	1369.6	1258.6
55°	1301.4	1309.5	1350.3	1446.1	1549.3	1611.1	1574.8	1564.0	1532.0	1497.1	1375.7
57.5°	1309.3	1312.6	1370.1	1499.3	1648.6	1748.7	1748.7	1729.7	1668.1	1619.7	1511.0
60°	1238.8	1249.0	1326.8	1495.0	1691.2	1838.6	1892.9	1879.7	1796.6	1737.0	1641.2
62.5°	1082.5	1093.9	1188.7	1391.9	1648.6	1857.1	2002.1	2000.0	1906.3	1834.1	1749.2
65°	830.1	838.5	921.1	1164.3	1468.7	1785.9	2080.1	2085.7	1992.9	1898.2	1786.4
67.5°	417.1	422.9	512.1	795.4	1164.1	1580.9	2074.8	2099.6	2019.3	1864.2	1644.3
70°	145.7	151.5	193.6	341.3	708.5	1207.2	1895.4	1935.9	1864.5	1591.3	1213.0
72.5°	49.9	52.7	80.3	126.7	275.7	715.6	1441.3	1502.4	1374.4	1068.3	697.1
75°	28.4	30.2	43.1	68.7	115.5	235.4	817.7	855.2	801.2	582.3	286.8
77.5°	19.3	20.8	26.9	39.0	63.9	75.8	333.5	419.9	366.2	190.0	73.2
80°	11.4	12.4	16.5	23.1	32.7	29.4	71.5	95.0	122.4	56.8	22.0
82.5°	5.3	6.1	10.6	15.2	16.5	12.4	21.0	25.6	34.5	27.9	9.1
85°	0.0	0.0	3.5	6.3	6.1	3.5	5.8	6.3	9.4	13.9	3.5
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°	282.8	282.8	282.8	282.8	282.8	282.8	282.8	282.8	282.8	282.8	282.8
2.5°	283.8	282.0	284.1	283.0	284.1	283.8	281.8	280.5	280.5	278.2	277.5
5°	287.3	285.6	286.1	283.8	283.3	282.0	279.5	278.5	278.5	276.2	275.4
7.5°	295.2	292.4	291.9	287.3	285.3	281.8	277.2	275.4	275.2	272.9	272.1
10°	307.6	304.3	302.0	296.2	290.4	283.3	273.7	265.6	261.0	254.9	254.4
12.5°	322.8	318.8	315.2	306.4	296.7	280.8	252.4	222.7	204.5	190.0	191.1
15°	339.8	336.0	330.4	317.0	297.2	255.7	196.4	150.8	128.5	116.6	116.1
17.5°	358.3	352.7	343.6	325.4	281.3	195.4	127.7	90.2	78.6	74.5	73.5
20°	375.5	368.7	357.3	327.1	235.2	132.3	79.8	69.9	67.9	66.6	66.6
22.5°	393.8	385.2	368.2	313.4	174.8	84.6	67.9	65.6	64.1	62.3	62.1
25°	412.3	401.1	378.1	277.7	114.5	66.6	63.6	61.1	58.3	55.5	54.7
27.5°	428.0	413.5	385.7	224.5	73.5	60.1	58.0	53.7	49.9	46.9	46.4
30°	446.7	428.2	389.0	164.2	57.8	53.0	49.9	45.4	40.8	37.8	36.7
32.5°	471.8	451.5	383.9	106.9	51.2	46.6	41.8	36.5	31.9	28.6	28.1
35°	510.8	486.8	360.6	68.2	46.4	40.3	34.5	28.9	25.1	22.6	22.0
37.5°	558.5	536.2	322.3	51.2	41.6	35.0	28.1	22.8	20.0	18.2	17.7
40°	629.2	598.0	274.9	44.9	36.7	29.6	23.1	18.8	16.7	15.2	14.7
42.5°	720.9	671.0	220.5	40.8	32.2	24.8	18.8	15.5	13.7	12.7	12.4
45°	828.1	742.2	162.9	36.7	27.9	20.5	15.5	12.7	11.4	10.6	10.4
47.5°	937.8	804.5	112.5	32.4	23.8	17.0	12.9	10.9	9.9	8.9	8.6
50°	1054.9	857.2	76.8	28.1	20.3	13.9	11.1	9.9	8.6	7.9	7.6
52.5°	1140.8	876.7	53.5	24.3	17.2	11.9	9.9	8.9	7.9	6.8	6.6
55°	1220.1	876.2	40.5	20.5	14.7	10.4	8.9	7.9	6.8	6.1	5.8
57.5°	1299.2	869.4	31.9	17.5	12.7	9.4	7.9	6.8	6.3	5.3	5.1
60°	1350.3	843.6	24.8	14.7	10.9	8.1	6.8	6.1	5.3	4.6	4.3
62.5°	1377.5	807.6	19.0	11.7	8.9	7.1	6.1	5.3	4.6	3.8	3.5
65°	1340.7	743.7	15.0	9.1	6.8	6.1	5.1	4.3	3.5	2.8	2.5
67.5°	1177.8	627.2	11.7	7.3	5.3	4.6	4.3	3.5	2.5	2.0	1.8
70°	832.4	429.5	9.1	5.6	4.1	3.5	3.3	2.8	2.0	1.5	1.3
72.5°	456.9	216.7	6.6	4.1	3.0	2.8	2.5	2.3	1.8	1.3	1.3
75°	175.9	59.5	4.8	2.8	2.0	2.0	1.8	1.8	1.5	1.0	1.0
77.5°	45.9	17.7	3.0	1.8	1.3	1.3	1.3	1.0	1.0	0.8	0.8
80°	14.7	5.8	1.8	1.3	1.0	0.8	0.8	0.5	0.8	0.5	0.5
82.5°	4.8	2.0	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)