

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: P629645

Luminaire Tested: GWS-SA1C-722-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629645
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-SA1C-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2599.2 lumens
Efficiency: N/A
Efficacy: 76.2 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

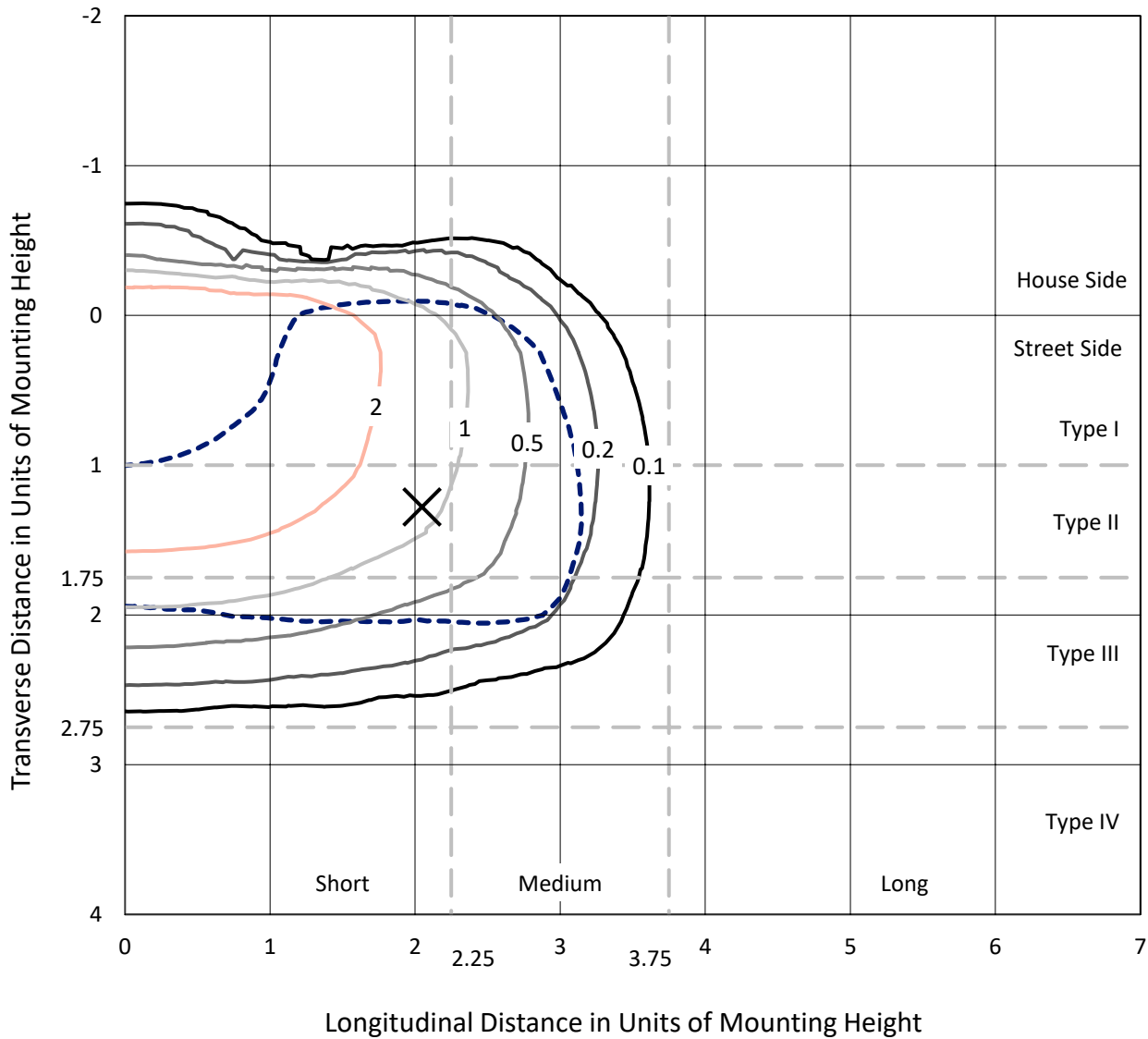
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

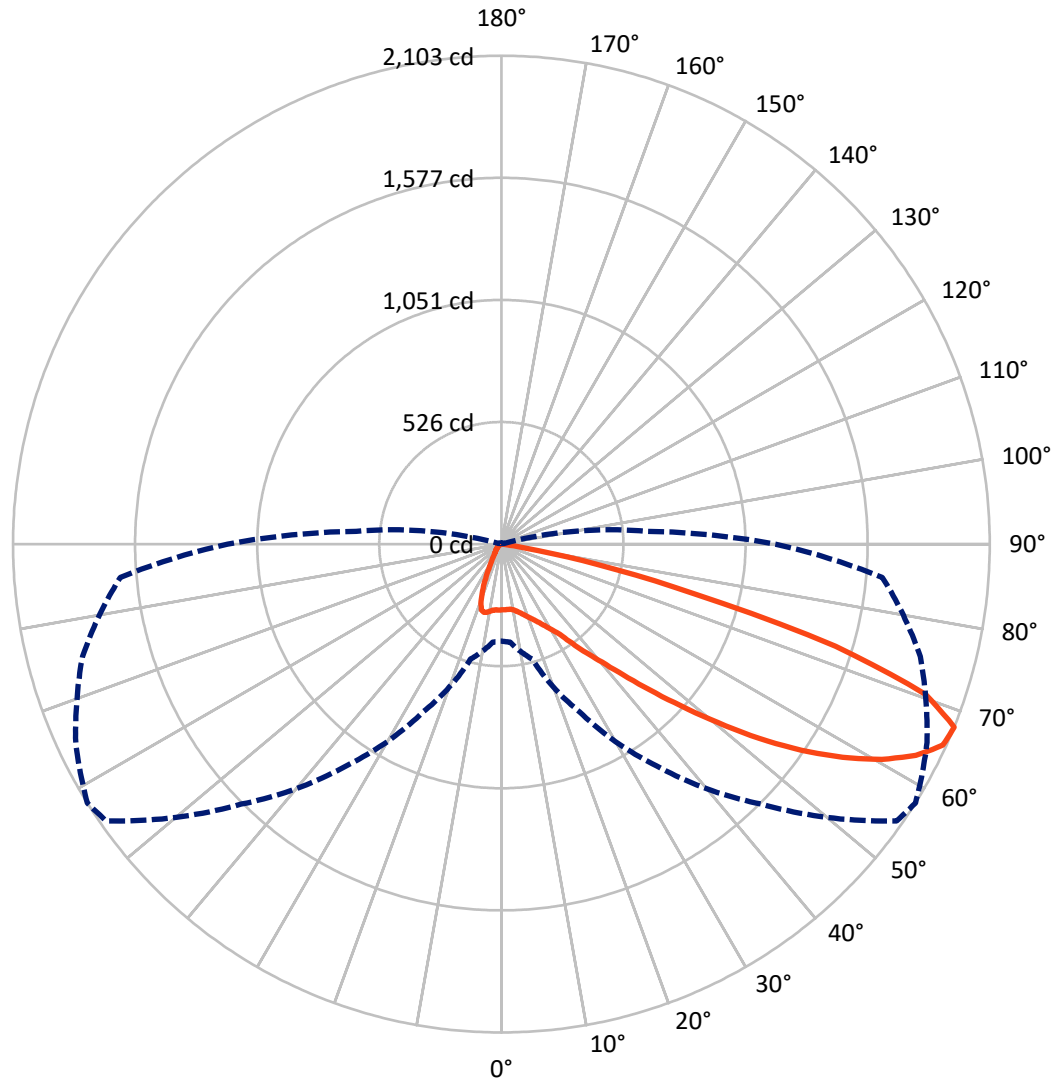
✕ Max cd
 - - - 1/2 Max cd



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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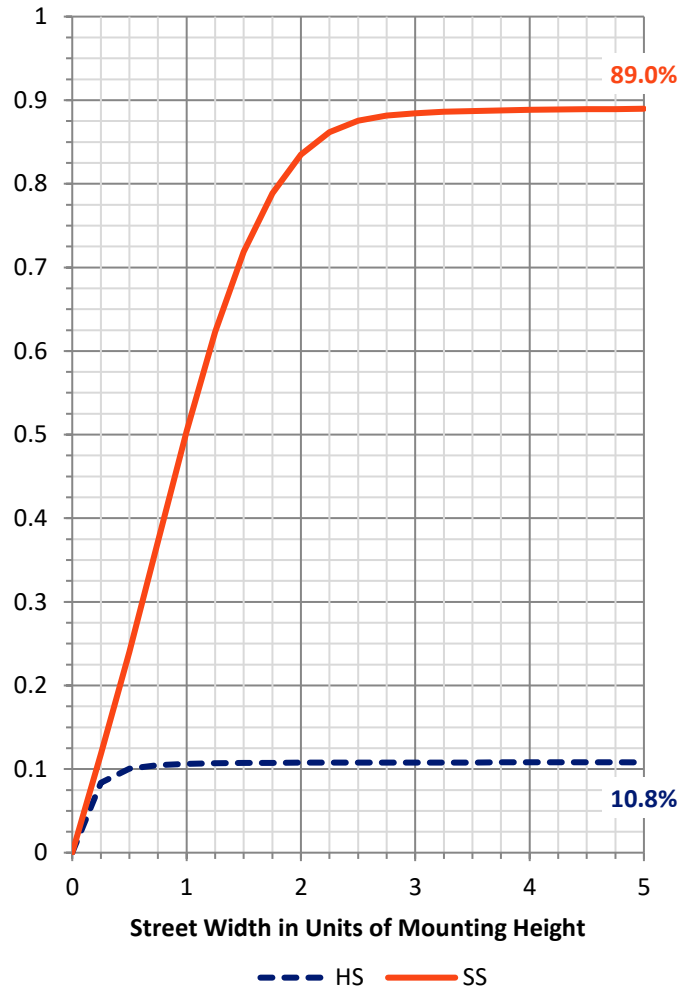
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	283.6	0.0	283.6
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	2315.6	0.0	2315.6
	% Fixture	89.1	0.0	89.1
Total	Lumens	2599.2	0.0	2599.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.6	1.0
10°-20°	74.7	2.9
20°-30°	130.4	5.0
30°-40°	232.9	9.0
40°-50°	425.7	16.4
50°-60°	707.9	27.2
60°-70°	768.9	29.6
70°-80°	225.8	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°	2599.2	100.0
0°-180°	2599.2	100.0

Coefficient of Utilization



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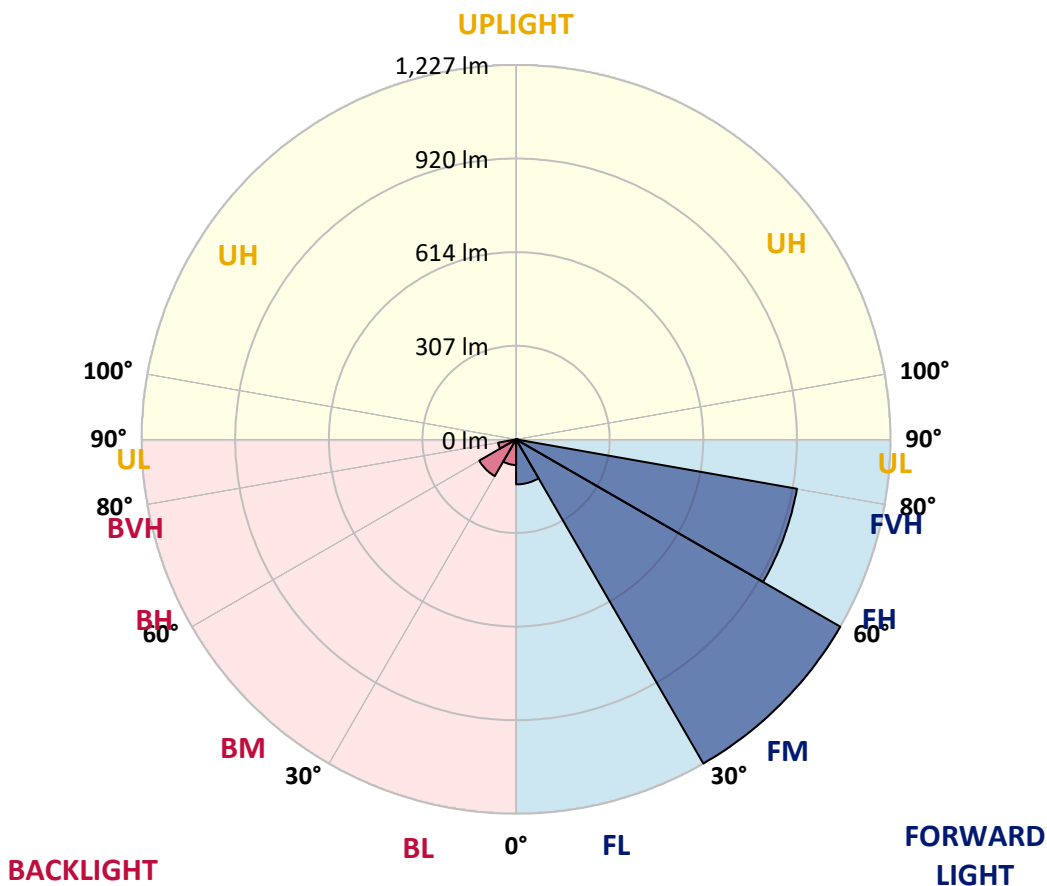
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	147.6	5.7			
FM (30°-60°)	1227.1	47.2			
FH (60°-80°)	934.8	36.0			G1/1800
FVH (80°-90°)	6.1	0.2			G0/10
BL (0°-30°)	84.1	3.2	B0/110		
BM (30°-60°)	139.3	5.4	B0/220		
BH (60°-80°)	59.9	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°	283.2	283.2	283.2	283.2	283.2	283.2	283.2	283.2	283.2	283.2	283.2
2.5°	277.9	277.4	277.4	279.4	279.7	280.7	283.0	283.2	284.5	284.0	282.2
5°	263.4	263.7	265.2	268.8	271.8	275.6	281.2	282.5	285.3	286.8	285.8
7.5°	250.0	250.2	252.5	258.1	263.9	271.6	280.7	283.2	288.8	292.9	293.1
10°	244.9	244.7	246.9	253.3	260.9	271.6	284.8	288.1	296.4	303.5	304.8
12.5°	246.4	246.2	248.5	254.3	262.7	276.1	291.9	296.4	307.1	318.0	320.3
15°	252.5	252.3	253.8	258.6	267.8	281.7	301.0	307.9	321.3	334.5	338.1
17.5°	270.8	269.5	268.0	268.5	273.8	288.3	312.7	321.1	337.8	353.5	356.6
20°	303.3	300.0	295.9	290.6	288.1	298.0	326.1	335.8	356.1	374.1	374.6
22.5°	352.3	351.0	341.6	326.1	315.2	315.5	341.9	353.0	377.9	397.7	394.9
25°	420.5	419.8	405.3	379.9	351.5	341.9	361.9	373.3	403.8	424.9	416.0
27.5°	505.3	500.0	483.0	448.7	406.3	376.1	387.3	397.4	431.2	451.0	434.2
30°	579.2	579.4	563.4	527.6	479.9	427.6	418.3	427.1	456.3	477.1	456.8
32.5°	650.2	652.5	635.0	602.8	550.5	494.9	462.7	464.2	488.6	511.1	486.5
35°	716.2	718.0	705.8	678.4	629.7	565.2	524.6	523.8	537.0	560.1	527.9
37.5°	790.1	791.8	779.9	755.3	709.6	645.7	594.9	593.9	599.2	618.0	581.2
40°	868.7	872.0	858.8	838.0	794.4	740.3	676.6	667.5	662.2	684.2	650.2
42.5°	948.4	953.5	948.9	928.1	890.8	846.2	782.7	768.5	757.1	784.7	748.7
45°	1047.4	1053.5	1051.5	1035.5	1006.6	970.3	910.4	893.9	888.5	914.2	871.3
47.5°	1142.6	1149.2	1156.5	1153.0	1132.4	1115.7	1049.2	1039.8	1038.3	1065.7	999.2
50°	1213.4	1219.5	1247.7	1268.0	1281.9	1278.4	1220.8	1206.8	1204.5	1222.0	1134.2
52.5°	1264.2	1270.0	1308.8	1372.3	1423.5	1451.5	1393.3	1390.3	1377.9	1371.8	1260.6
55°	1303.5	1311.6	1352.5	1448.4	1551.7	1613.6	1577.3	1566.4	1534.4	1499.4	1377.9
57.5°	1311.4	1314.7	1372.3	1501.7	1651.2	1751.4	1751.4	1732.4	1670.7	1622.3	1513.4
60°	1240.8	1251.0	1328.9	1497.4	1693.8	1841.5	1895.8	1882.7	1799.4	1739.8	1643.8
62.5°	1084.2	1095.6	1190.6	1394.1	1651.2	1860.1	2005.2	2003.2	1909.3	1837.0	1751.9
65°	831.4	839.8	922.5	1166.2	1471.0	1788.7	2083.4	2089.0	1996.1	1901.2	1789.3
67.5°	417.7	423.6	512.9	796.7	1165.9	1583.4	2078.1	2102.9	2022.5	1867.2	1646.9
70°	145.9	151.8	193.9	341.9	709.6	1209.1	1898.4	1939.0	1867.4	1593.8	1214.9
72.5°	50.0	52.8	80.5	126.9	276.1	716.7	1443.6	1504.8	1376.6	1070.0	698.2
75°	28.4	30.2	43.1	68.8	115.7	235.8	819.0	856.6	802.5	583.2	287.3
77.5°	19.3	20.8	26.9	39.1	64.0	75.9	334.0	420.5	366.7	190.3	73.3
80°	11.4	12.4	16.5	23.1	32.7	29.4	71.6	95.2	122.6	56.9	22.1
82.5°	5.3	6.1	10.7	15.2	16.5	12.4	21.1	25.6	34.5	27.9	9.1
85°	0.0	0.0	3.6	6.3	6.1	3.6	5.8	6.3	9.4	14.0	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°	283.2	283.2	283.2	283.2	283.2	283.2	283.2	283.2	283.2	283.2	283.2
2.5°	284.3	282.5	284.5	283.5	284.5	284.3	282.2	281.0	281.0	278.7	277.9
5°	287.8	286.0	286.5	284.3	283.7	282.5	279.9	278.9	278.9	276.6	275.9
7.5°	295.7	292.9	292.4	287.8	285.8	282.2	277.7	275.9	275.6	273.3	272.6
10°	308.1	304.8	302.5	296.7	290.8	283.7	274.1	266.0	261.4	255.3	254.8
12.5°	323.3	319.3	315.7	306.8	297.2	281.2	252.8	223.1	204.8	190.3	191.4
15°	340.3	336.5	330.9	317.5	297.7	256.1	196.7	151.0	128.7	116.7	116.2
17.5°	358.9	353.3	344.1	325.9	281.7	195.7	127.9	90.4	78.7	74.6	73.6
20°	376.1	369.3	357.9	327.6	235.5	132.5	79.9	70.0	68.0	66.7	66.7
22.5°	394.4	385.8	368.8	313.9	175.1	84.8	68.0	65.7	64.2	62.4	62.2
25°	412.9	401.8	378.7	278.2	114.7	66.7	63.7	61.2	58.4	55.6	54.8
27.5°	428.7	414.2	386.3	224.9	73.6	60.1	58.1	53.8	50.0	47.0	46.4
30°	447.4	428.9	389.6	164.5	57.9	53.0	50.0	45.4	40.9	37.8	36.8
32.5°	472.6	452.3	384.5	107.1	51.3	46.7	41.9	36.5	32.0	28.7	28.2
35°	511.7	487.5	361.2	68.3	46.4	40.4	34.5	28.9	25.1	22.6	22.1
37.5°	559.4	537.0	322.8	51.3	41.6	35.0	28.2	22.8	20.0	18.3	17.8
40°	630.2	599.0	275.4	44.9	36.8	29.7	23.1	18.8	16.8	15.2	14.7
42.5°	722.0	672.0	220.8	40.9	32.2	24.9	18.8	15.5	13.7	12.7	12.4
45°	829.4	743.4	163.2	36.8	27.9	20.6	15.5	12.7	11.4	10.7	10.4
47.5°	939.3	805.8	112.7	32.5	23.9	17.0	12.9	10.9	9.9	8.9	8.6
50°	1056.5	858.6	76.9	28.2	20.3	14.0	11.2	9.9	8.6	7.9	7.6
52.5°	1142.6	878.1	53.6	24.4	17.3	11.9	9.9	8.9	7.9	6.9	6.6
55°	1222.0	877.6	40.6	20.6	14.7	10.4	8.9	7.9	6.9	6.1	5.8
57.5°	1301.2	870.8	32.0	17.5	12.7	9.4	7.9	6.9	6.3	5.3	5.1
60°	1352.5	844.9	24.9	14.7	10.9	8.1	6.9	6.1	5.3	4.6	4.3
62.5°	1379.6	808.8	19.0	11.7	8.9	7.1	6.1	5.3	4.6	3.8	3.6
65°	1342.8	744.9	15.0	9.1	6.9	6.1	5.1	4.3	3.6	2.8	2.5
67.5°	1179.6	628.1	11.7	7.4	5.3	4.6	4.3	3.6	2.5	2.0	1.8
70°	833.7	430.2	9.1	5.6	4.1	3.6	3.3	2.8	2.0	1.5	1.3
72.5°	457.6	217.0	6.6	4.1	3.0	2.8	2.5	2.3	1.8	1.3	1.3
75°	176.1	59.6	4.8	2.8	2.0	2.0	1.8	1.8	1.5	1.0	1.0
77.5°	45.9	17.8	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)