

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: P629637

Luminaire Tested: GWS-SA1C-722-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629637
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-722-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2652 lumens
Efficiency: N/A
Efficacy: 77.8 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

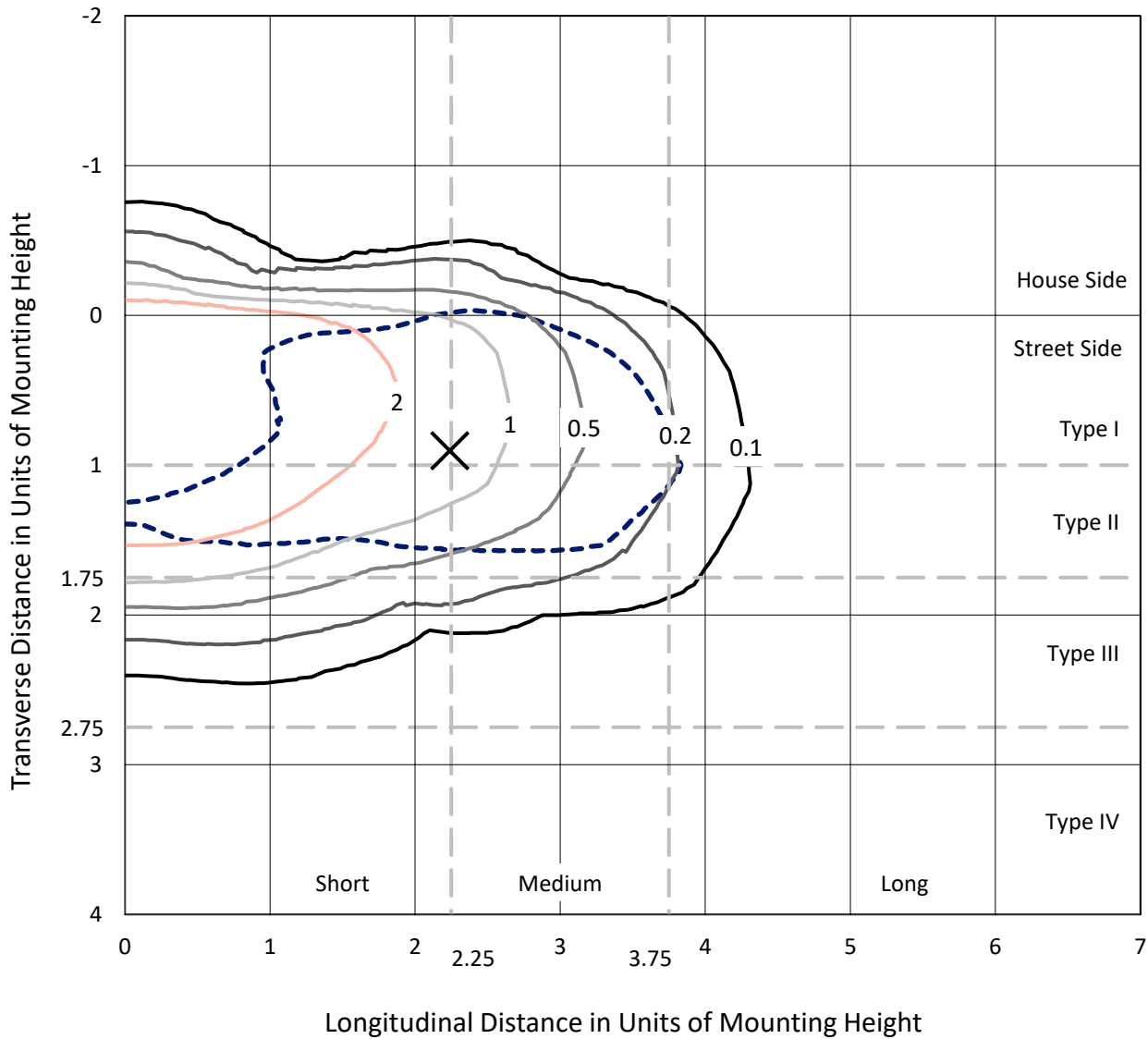
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

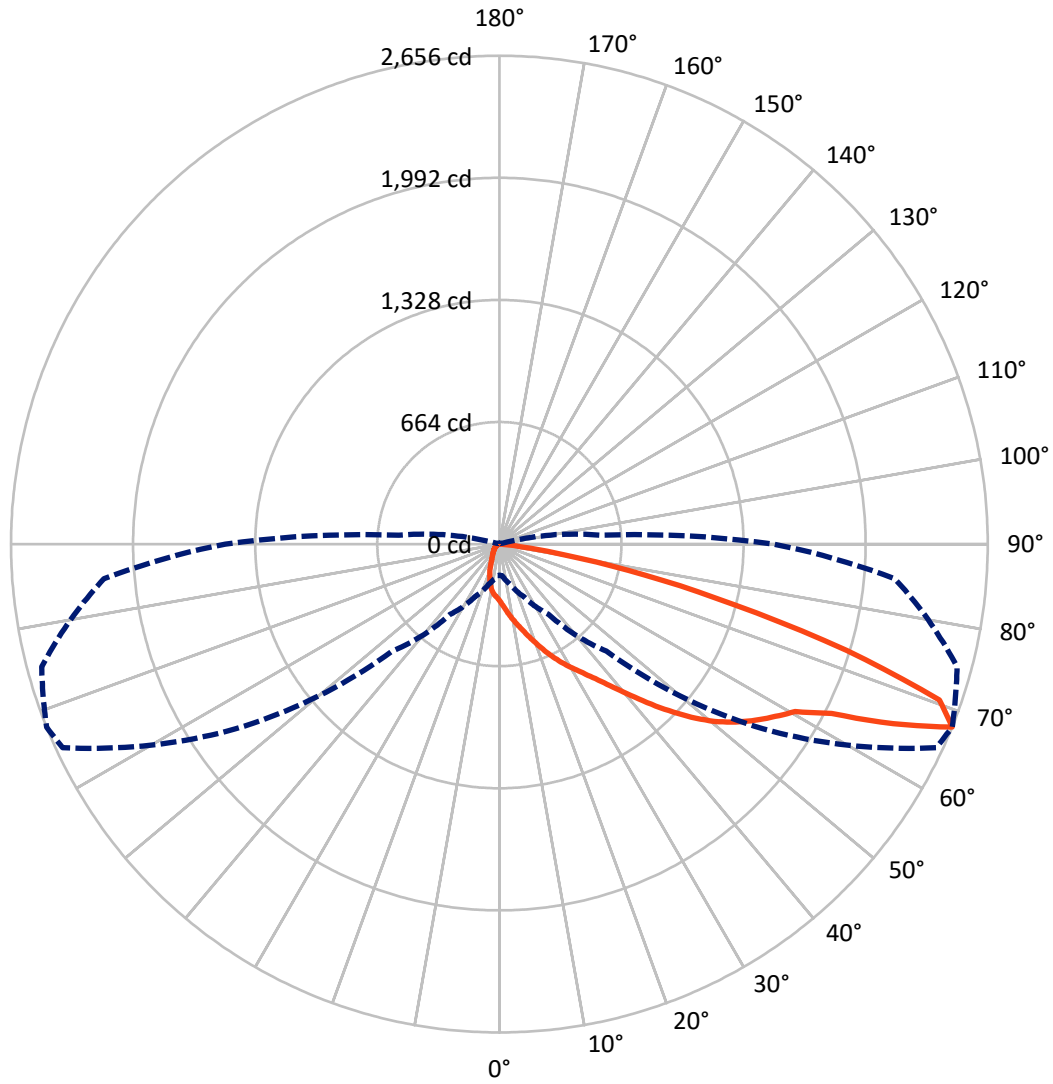
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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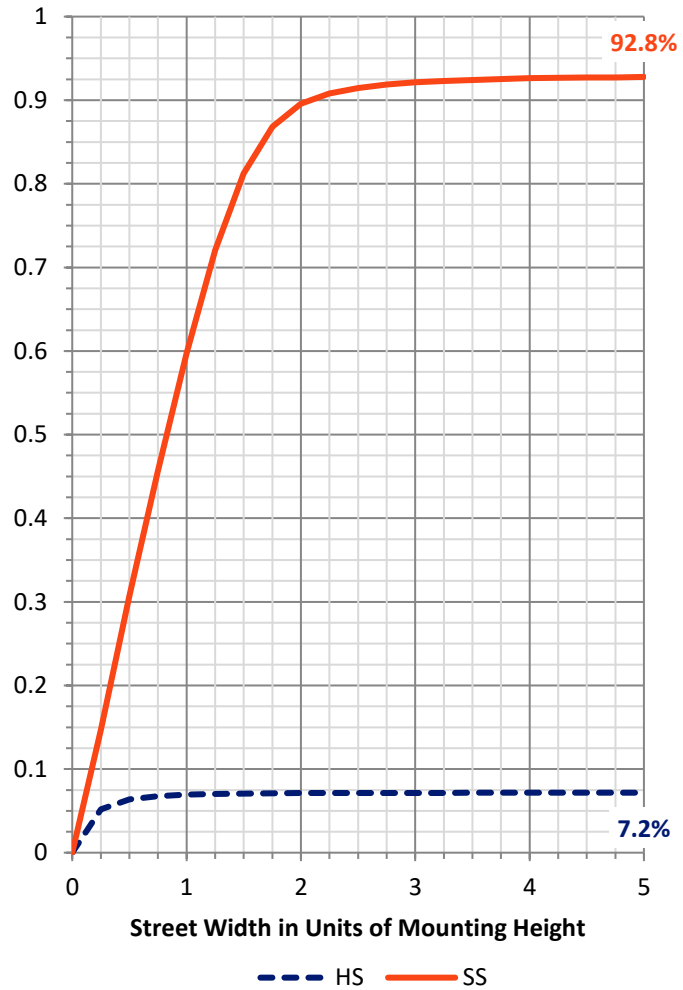
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	191.5	0.0	191.5
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	2460.5	0.0	2460.5
	% Fixture	92.8	0.0	92.8
Total	Lumens	2652.0	0.0	2652.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.1	1.1
10°-20°	86.4	3.3
20°-30°	148.5	5.6
30°-40°	258.3	9.7
40°-50°	450.6	17.0
50°-60°	679.7	25.6
60°-70°	681.6	25.7
70°-80°	300.7	11.3
80°-90°	16.1	0.6
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°	2652.0	100.0
0°-180°	2652.0	100.0

Coefficient of Utilization



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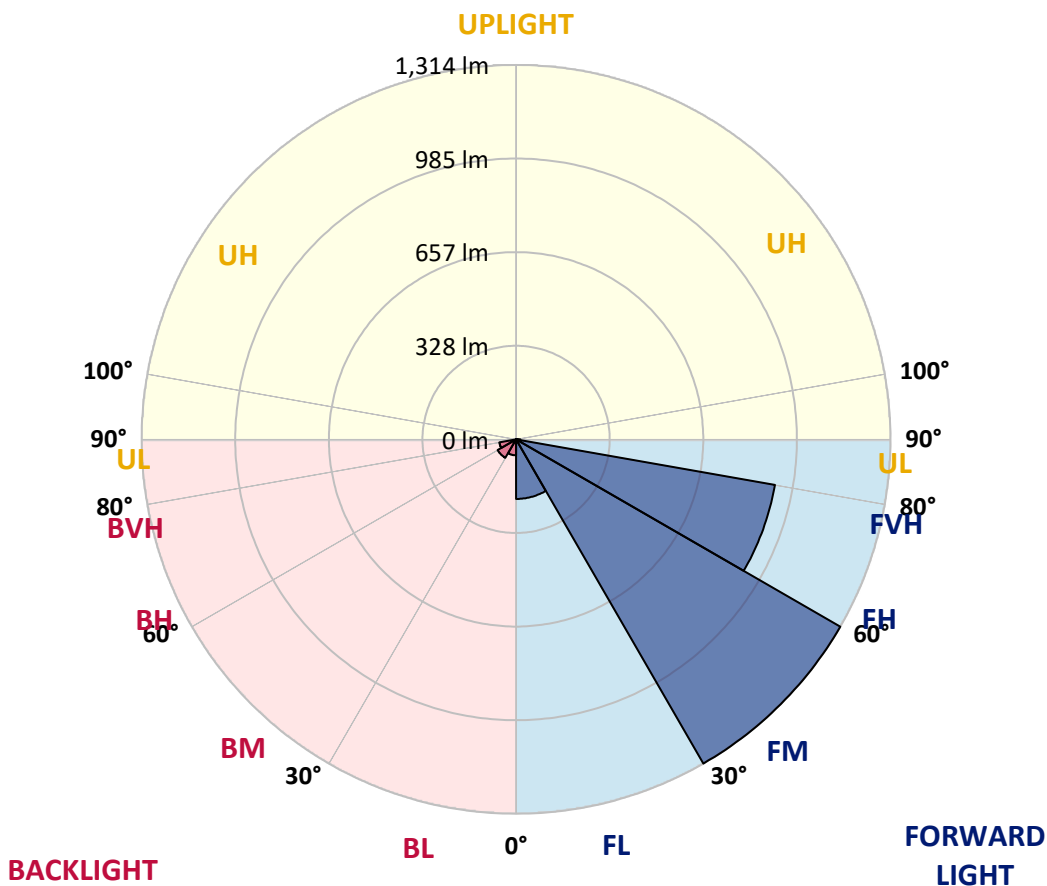
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	209.1	7.9			
FM (30°-60°)	1313.8	49.5			
FH (60°-80°)	922.5	34.8			G1/1800
FVH (80°-90°)	15.2	0.6			G1/100
BL (0°-30°)	56.0	2.1	B0/110		
BM (30°-60°)	74.8	2.8	B0/220		
BH (60°-80°)	59.8	2.3	B0/110		G0/110
BVH (80°-90°)	0.9	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°	68°	75°	85°
0°	308.6	308.6	308.6	308.6	308.6	308.6	308.6	308.6	308.6	308.6	308.6
2.5°	359.4	361.7	359.4	359.9	353.3	350.2	343.7	334.5	332.2	326.4	317.5
5°	403.3	405.3	403.0	402.5	394.9	389.3	378.4	362.7	358.1	346.7	329.2
7.5°	427.2	428.4	429.2	430.5	427.7	423.1	413.2	393.6	388.8	370.3	345.7
10°	429.7	430.7	434.5	442.1	447.7	450.5	444.9	426.9	419.3	401.3	366.0
12.5°	422.6	424.1	430.2	442.9	458.4	472.6	476.1	460.4	453.5	430.5	389.8
15°	413.2	414.5	422.8	440.1	463.4	489.6	504.3	497.5	489.8	465.7	416.2
17.5°	398.7	400.5	412.2	435.5	465.7	503.0	534.8	537.0	531.7	505.6	445.4
20°	390.6	391.9	402.3	426.4	464.2	512.9	563.2	584.8	578.9	551.5	478.9
22.5°	397.5	398.5	405.3	424.1	459.1	518.5	589.6	632.5	629.2	600.8	514.2
25°	433.5	436.8	432.7	436.0	461.4	521.6	610.9	680.2	681.0	652.3	550.8
27.5°	506.6	502.3	492.6	476.1	479.2	529.7	629.2	725.1	731.7	702.5	583.2
30°	581.0	578.4	572.6	546.9	525.6	547.7	644.7	771.1	781.5	752.0	612.2
32.5°	664.5	667.0	656.6	625.9	589.6	584.3	660.7	814.7	834.3	808.1	646.2
35°	764.2	765.0	744.4	710.4	669.3	644.7	689.3	862.9	899.0	879.7	691.6
37.5°	861.4	866.0	854.8	801.3	764.7	719.8	736.8	924.9	975.6	968.0	748.7
40°	947.4	954.6	951.0	899.2	851.3	813.4	810.4	997.4	1068.3	1076.9	824.1
42.5°	1016.0	1020.5	1023.3	986.5	944.1	922.8	901.3	1081.7	1177.6	1212.9	916.5
45°	1088.3	1089.8	1095.7	1070.8	1033.7	1035.5	1008.6	1184.0	1292.9	1363.7	1022.6
47.5°	1180.4	1185.5	1182.7	1156.6	1123.1	1143.1	1119.5	1289.3	1406.6	1524.6	1131.2
50°	1292.6	1298.0	1295.4	1265.0	1227.6	1236.0	1221.3	1391.6	1516.2	1676.4	1221.6
52.5°	1350.5	1354.8	1386.3	1400.0	1380.4	1327.1	1308.1	1504.0	1608.9	1801.2	1304.6
55°	1322.6	1325.6	1394.1	1452.0	1523.6	1470.3	1395.4	1590.8	1690.6	1898.7	1366.2
57.5°	1206.8	1223.3	1316.5	1414.4	1565.0	1611.7	1537.0	1685.3	1769.3	1966.5	1426.9
60°	969.5	968.8	1102.3	1278.2	1484.2	1650.5	1737.0	1812.9	1848.2	2018.5	1508.1
62.5°	535.8	540.6	718.3	950.0	1259.9	1550.0	1887.0	2033.5	2028.1	2109.4	1635.3
65°	266.7	276.4	372.8	544.2	838.3	1280.9	1912.9	2370.0	2354.8	2323.3	1897.9
67.5°	169.3	173.1	226.4	316.2	466.0	823.3	1751.8	2621.0	2656.3	2577.1	2158.6
70°	109.6	116.0	157.4	216.2	281.2	424.4	1283.2	2458.3	2539.3	2549.2	1996.2
72.5°	59.6	64.2	100.5	154.3	203.0	212.2	720.8	1844.9	1975.1	2162.4	1561.7
75°	34.0	37.3	55.1	104.8	149.0	129.2	319.5	1235.0	1318.0	1545.4	1119.0
77.5°	20.6	23.3	31.0	51.0	93.4	86.3	120.8	751.8	804.6	922.1	587.3
80°	9.4	11.2	19.5	28.2	51.0	40.9	46.2	350.5	361.9	378.4	194.4
82.5°	4.3	5.1	8.9	16.8	28.9	23.6	17.8	81.0	114.0	107.9	49.5
85°	0.5	0.5	3.3	6.9	8.1	6.1	7.4	18.3	23.1	32.5	14.2
87.5°	0.0	0.0	0.3	0.3	0.5	0.8	1.5	2.3	3.3	5.3	3.6
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°	308.6	308.6	308.6	308.6	308.6	308.6	308.6	308.6	308.6	308.6	308.6
2.5°	313.4	306.3	300.0	290.6	284.3	277.2	272.3	266.5	264.2	262.4	259.9
5°	320.6	309.1	293.7	276.4	262.2	248.7	236.3	228.2	221.1	220.0	216.5
7.5°	332.2	315.2	289.1	260.9	236.8	214.5	197.0	182.7	175.6	173.3	169.3
10°	347.7	324.4	282.2	239.1	204.3	177.7	157.9	141.9	130.7	126.6	123.6
12.5°	365.0	332.7	271.3	212.2	172.6	142.1	117.0	100.0	92.9	90.4	88.1
15°	384.8	340.6	254.1	185.3	141.6	104.6	86.8	79.4	76.4	75.6	74.9
17.5°	403.8	345.7	233.5	157.4	108.9	81.2	72.8	70.0	69.3	68.5	68.0
20°	425.4	349.2	209.4	131.0	84.5	68.8	64.7	62.7	61.2	59.6	59.4
22.5°	447.5	349.2	183.2	105.1	70.8	61.7	57.1	53.3	50.5	49.0	48.5
25°	468.5	344.4	157.4	84.0	62.4	54.8	49.0	44.7	40.9	39.1	38.6
27.5°	483.5	332.0	134.8	71.1	56.6	48.7	41.6	36.8	33.8	32.0	31.7
30°	492.9	313.4	114.0	63.5	51.5	42.4	35.3	31.2	28.9	27.7	27.2
32.5°	500.0	290.6	95.4	58.1	46.7	36.8	30.7	27.4	25.4	24.4	24.1
35°	514.2	269.0	81.7	53.3	41.6	32.2	26.9	24.4	22.8	21.6	21.3
37.5°	534.0	251.0	70.8	49.0	36.8	28.7	24.4	22.1	20.8	19.5	19.3
40°	563.2	239.6	62.7	44.7	32.5	25.9	22.3	20.3	18.5	17.3	17.0
42.5°	608.1	234.3	57.4	40.4	28.7	23.3	20.6	18.0	16.2	15.0	14.7
45°	661.7	237.1	52.8	36.0	26.1	21.6	18.3	15.7	14.0	12.7	12.4
47.5°	719.0	247.0	49.0	32.0	23.6	19.8	16.2	13.5	11.9	10.7	10.4
50°	778.9	263.2	45.7	28.2	21.6	17.8	14.0	11.7	10.2	9.1	8.9
52.5°	831.0	285.3	42.4	25.4	19.8	15.7	12.2	10.2	8.6	7.6	7.4
55°	880.7	306.1	39.8	22.8	17.8	13.7	10.7	8.6	7.4	6.3	6.1
57.5°	934.8	328.2	36.8	20.6	16.0	12.2	9.4	7.4	6.3	5.3	5.1
60°	1013.4	360.9	32.2	18.8	14.0	10.7	8.1	6.6	5.6	4.3	4.1
62.5°	1126.9	420.6	27.2	16.2	11.9	9.1	6.9	5.6	4.6	3.6	3.0
65°	1339.1	522.1	22.3	13.5	9.6	7.6	5.8	4.6	3.6	2.5	2.3
67.5°	1491.9	548.5	18.0	10.9	7.9	5.8	4.8	3.6	2.5	1.8	1.5
70°	1304.3	393.9	14.0	8.9	6.6	4.6	3.8	2.8	1.8	1.3	1.0
72.5°	982.7	257.4	10.4	6.9	5.1	3.8	2.8	2.3	1.5	1.0	0.8
75°	692.6	148.7	7.6	5.1	3.6	2.8	2.3	1.8	1.3	0.8	0.8
77.5°	355.1	61.4	5.3	3.6	2.5	1.8	1.5	1.0	1.0	0.8	0.5
80°	107.9	20.3	3.0	2.3	1.8	1.3	0.8	0.8	0.8	0.5	0.3
82.5°	24.6	6.6	1.8	1.8	1.3	1.0	0.8	0.3	0.3	0.0	0.0
85°	6.3	2.0	1.5	1.3	1.3	1.0	0.5	0.3	0.0	0.0	0.0
87.5°	2.3	1.3	1.3	1.3	1.0	0.8	0.5	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)