

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: P631120

Luminaire Tested: GWS-SA1F-722-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631120
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-SA1F-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: 4648.5 lumens
Efficiency: N/A
Efficacy: 69.2 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

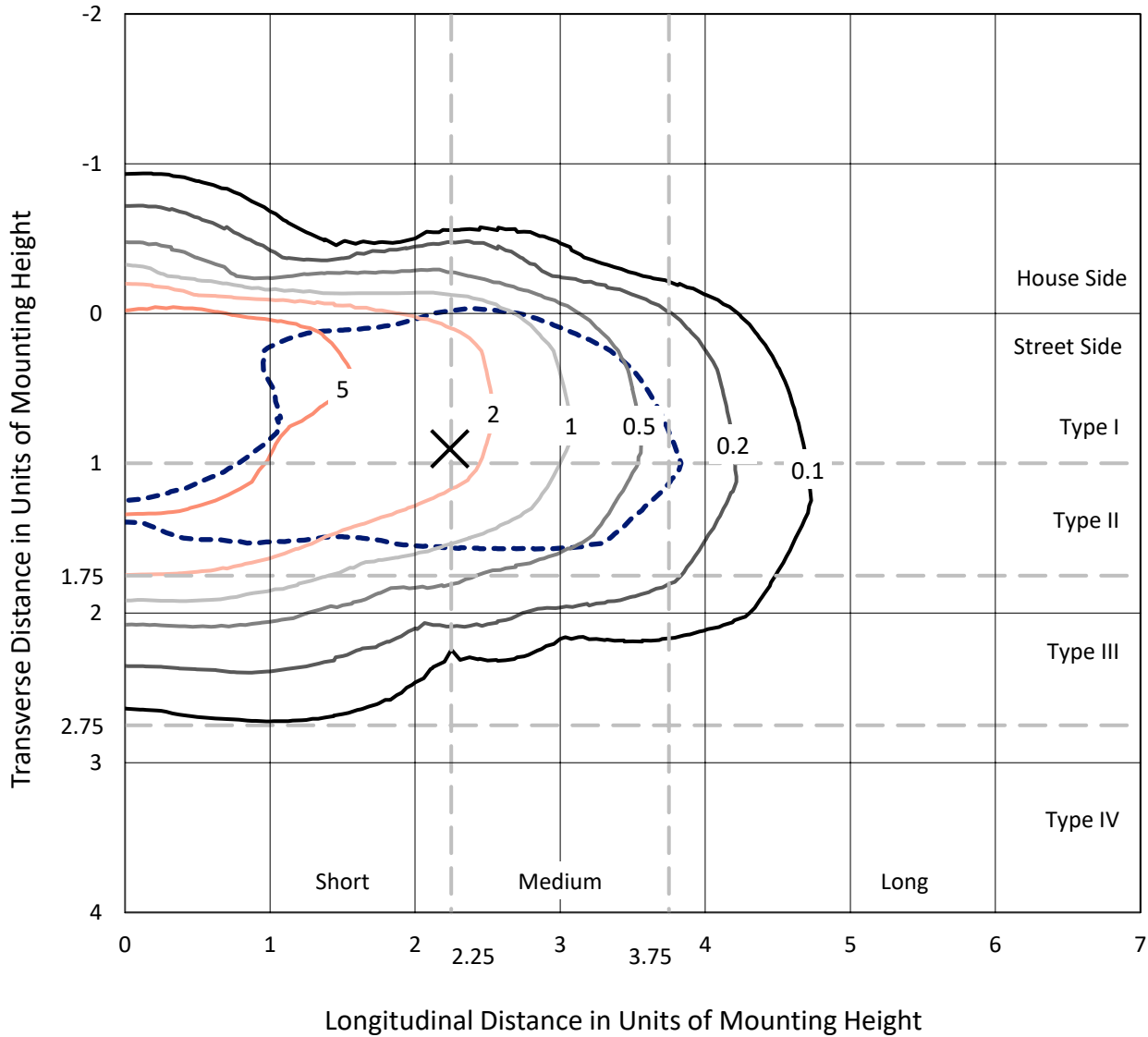
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

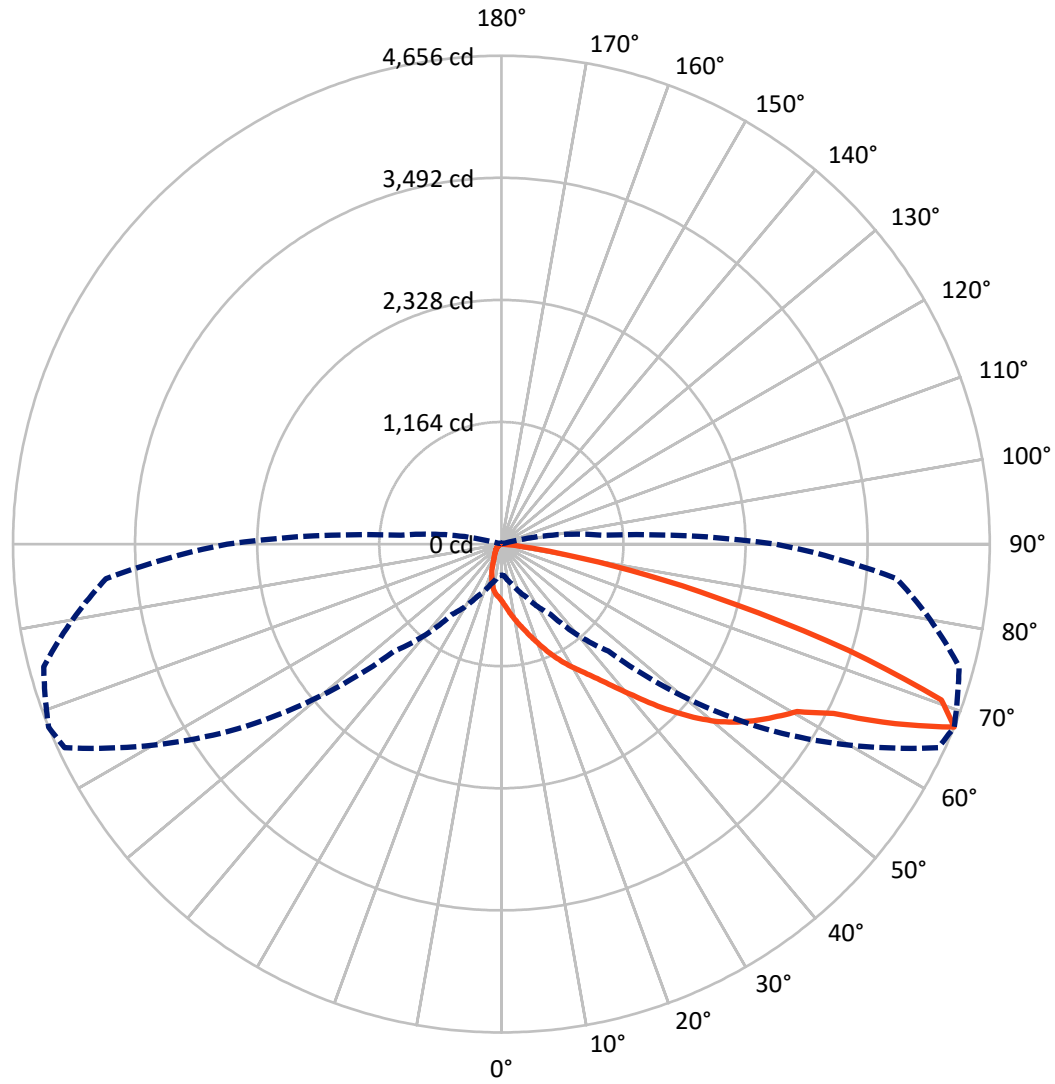
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.7 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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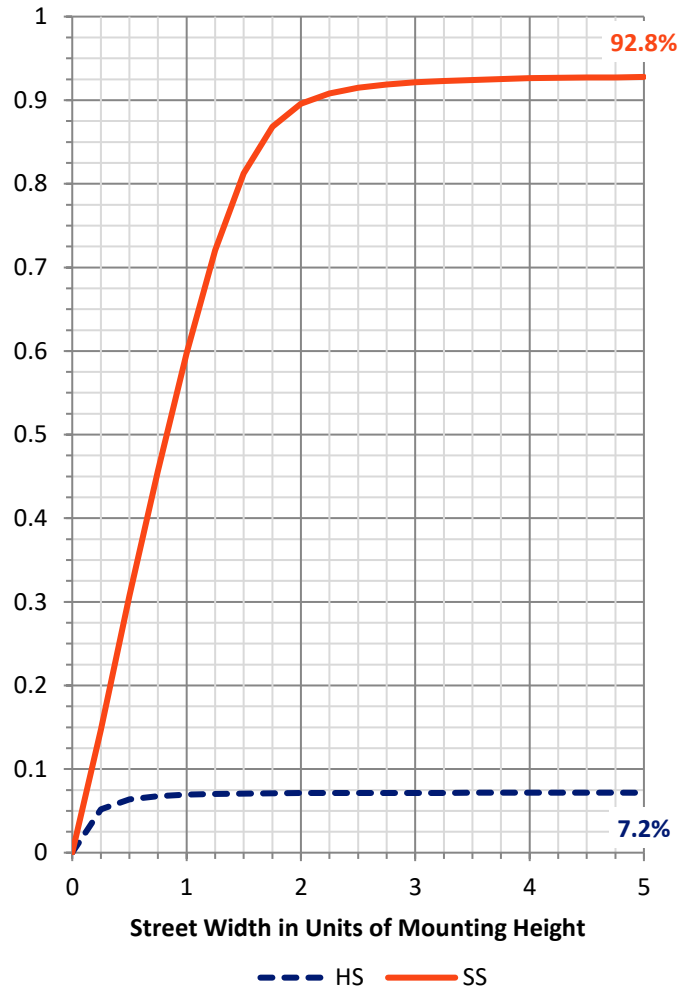
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	335.7	0.0	335.7
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	4312.8	0.0	4312.8
	% Fixture	92.8	0.0	92.8
Total	Lumens	4648.5	0.0	4648.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.8	1.1
10°-20°	151.5	3.3
20°-30°	260.4	5.6
30°-40°	452.7	9.7
40°-50°	789.9	17.0
50°-60°	1191.4	25.6
60°-70°	1194.6	25.7
70°-80°	527.1	11.3
80°-90°	28.2	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°	4648.5	100.0
0°-180°	4648.5	100.0

Coefficient of Utilization



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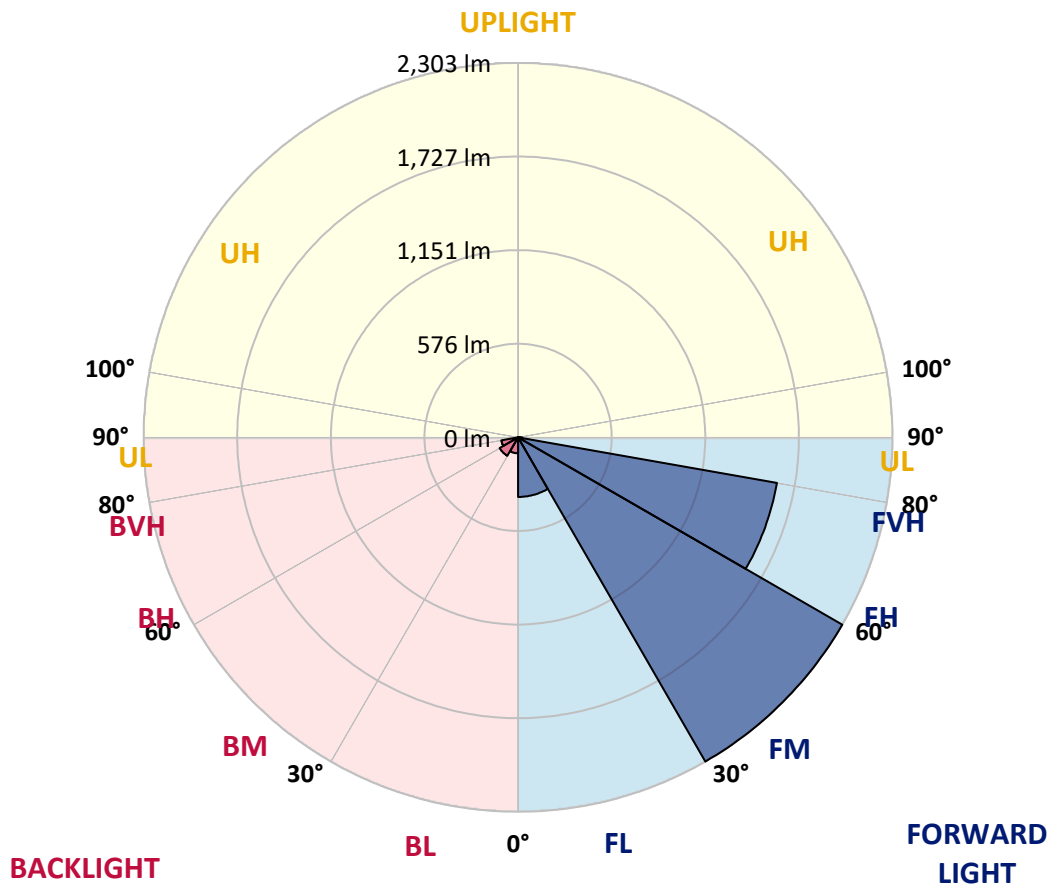
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	366.4	7.9			
FM (30°-60°)	2302.9	49.5			
FH (60°-80°)	1617.0	34.8			G1/1800
FVH (80°-90°)	26.6	0.6			G1/100
BL (0°-30°)	98.2	2.1	B0/110		
BM (30°-60°)	131.1	2.8	B0/220		
BH (60°-80°)	104.8	2.3	B0/110		G0/110
BVH (80°-90°)	1.6	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°	541.0	541.0	541.0	541.0	541.0	541.0	541.0	541.0	541.0	541.0	541.0
2.5°	629.9	633.9	629.9	630.8	619.3	613.9	602.4	586.3	582.3	572.1	556.5
5°	706.9	710.5	706.5	705.6	692.2	682.4	663.3	635.7	627.7	607.7	577.0
7.5°	748.7	750.9	752.3	754.5	749.6	741.6	724.3	690.0	681.5	649.1	605.9
10°	753.2	755.0	761.6	775.0	784.8	789.7	779.9	748.3	734.9	703.3	641.5
12.5°	740.7	743.4	754.1	776.3	803.4	828.4	834.6	807.0	795.0	754.5	683.3
15°	724.3	726.5	741.2	771.4	812.3	858.2	884.0	872.0	858.6	816.3	729.6
17.5°	698.9	702.0	722.5	763.4	816.3	881.7	937.4	941.4	932.0	886.2	780.8
20°	684.7	686.9	705.1	747.4	813.7	899.1	987.2	1025.0	1014.8	966.7	839.5
22.5°	696.7	698.5	710.5	743.4	804.8	908.9	1033.4	1108.6	1102.8	1053.0	901.3
25°	759.8	765.6	758.5	764.3	808.8	914.2	1070.8	1192.3	1193.6	1143.3	965.4
27.5°	888.0	880.4	863.5	834.6	839.9	928.5	1102.8	1271.0	1282.6	1231.4	1022.3
30°	1018.3	1013.9	1003.6	958.7	921.3	960.0	1130.0	1351.5	1369.8	1318.2	1073.0
32.5°	1164.7	1169.1	1150.9	1097.1	1033.4	1024.1	1158.0	1428.0	1462.3	1416.5	1132.7
35°	1339.5	1340.9	1304.8	1245.2	1173.1	1130.0	1208.3	1512.6	1575.7	1541.9	1212.3
37.5°	1509.9	1517.9	1498.3	1404.5	1340.4	1261.7	1291.5	1621.1	1710.1	1696.8	1312.4
40°	1660.7	1673.2	1666.9	1576.2	1492.1	1425.8	1420.5	1748.4	1872.5	1887.6	1444.5
42.5°	1780.8	1788.8	1793.7	1729.2	1654.9	1617.6	1579.7	1896.1	2064.2	2126.1	1606.4
45°	1907.6	1910.3	1920.5	1876.9	1812.0	1815.1	1767.9	2075.3	2266.2	2390.3	1792.4
47.5°	2069.1	2078.0	2073.1	2027.3	1968.6	2003.7	1962.3	2260.0	2465.5	2672.4	1982.8
50°	2265.7	2275.1	2270.6	2217.3	2151.9	2166.5	2140.7	2439.2	2657.7	2938.4	2141.2
52.5°	2367.2	2374.7	2429.9	2453.9	2419.7	2326.2	2292.9	2636.3	2820.1	3157.3	2286.7
55°	2318.2	2323.6	2443.7	2545.1	2670.6	2577.2	2445.9	2788.5	2963.3	3328.1	2394.8
57.5°	2115.4	2144.3	2307.6	2479.3	2743.1	2825.0	2694.2	2954.0	3101.2	3446.9	2501.1
60°	1699.4	1698.1	1932.1	2240.4	2601.6	2893.0	3044.7	3177.7	3239.6	3538.1	2643.4
62.5°	939.1	947.6	1259.0	1665.2	2208.4	2716.8	3307.6	3564.3	3555.0	3697.4	2866.3
65°	467.6	484.5	653.5	953.8	1469.4	2245.3	3353.0	4154.2	4127.5	4072.4	3326.8
67.5°	296.7	303.4	396.8	554.3	816.8	1443.2	3070.5	4594.2	4656.1	4517.3	3783.7
70°	192.2	203.3	275.8	379.0	492.9	743.8	2249.3	4309.1	4451.0	4468.3	3498.9
72.5°	104.5	112.6	176.2	270.5	355.9	371.9	1263.4	3233.8	3462.0	3790.3	2737.3
75°	59.6	65.4	96.5	183.7	261.1	226.4	560.1	2164.8	2310.2	2708.8	1961.5
77.5°	36.0	40.9	54.3	89.4	163.7	151.3	211.8	1317.7	1410.3	1616.2	1029.4
80°	16.5	19.6	34.3	49.4	89.4	71.6	81.0	614.4	634.4	663.3	340.8
82.5°	7.6	8.9	15.6	29.4	50.7	41.4	31.1	141.9	199.7	189.1	86.8
85°	0.9	0.9	5.8	12.0	14.2	10.7	12.9	32.0	40.5	56.9	24.9
87.5°	0.0	0.0	0.4	0.4	0.9	1.3	2.7	4.0	5.8	9.3	6.2
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°	541.0	541.0	541.0	541.0	541.0	541.0	541.0	541.0	541.0	541.0	541.0
2.5°	549.4	537.0	525.8	509.4	498.3	485.8	477.4	467.1	463.1	460.0	455.6
5°	561.9	541.9	514.7	484.5	459.6	436.0	414.2	399.9	387.5	385.7	379.5
7.5°	582.3	552.5	506.7	457.3	415.1	375.9	345.2	320.3	307.9	303.8	296.7
10°	609.5	568.5	494.7	419.1	358.1	311.4	276.7	248.7	229.1	222.0	216.7
12.5°	639.7	583.2	475.6	371.9	302.5	249.1	205.1	175.3	162.8	158.4	154.4
15°	674.4	597.0	445.3	324.8	248.2	183.3	152.1	139.2	133.9	132.6	131.2
17.5°	707.8	605.9	409.3	275.8	190.9	142.4	127.7	122.8	121.5	120.1	119.2
20°	745.6	612.1	367.0	229.6	148.1	120.6	113.4	109.9	107.2	104.5	104.1
22.5°	784.3	612.1	321.2	184.2	124.1	108.1	100.1	93.4	88.5	85.9	85.0
25°	821.2	603.7	275.8	147.3	109.4	96.1	85.9	78.3	71.6	68.5	67.6
27.5°	847.5	581.9	236.2	124.6	99.2	85.4	73.0	64.5	59.2	56.1	55.6
30°	863.9	549.4	199.7	111.2	90.3	74.3	61.8	54.7	50.7	48.5	47.6
32.5°	876.4	509.4	167.3	101.9	81.9	64.5	53.8	48.0	44.5	42.7	42.3
35°	901.3	471.6	143.2	93.4	73.0	56.5	47.2	42.7	40.0	37.8	37.4
37.5°	936.0	440.0	124.1	85.9	64.5	50.3	42.7	38.7	36.5	34.3	33.8
40°	987.2	420.0	109.9	78.3	56.9	45.4	39.1	35.6	32.5	30.3	29.8
42.5°	1065.9	410.6	100.5	70.7	50.3	40.9	36.0	31.6	28.5	26.2	25.8
45°	1159.8	415.5	92.5	63.2	45.8	37.8	32.0	27.6	24.5	22.2	21.8
47.5°	1260.3	432.9	85.9	56.1	41.4	34.7	28.5	23.6	20.9	18.7	18.2
50°	1365.3	461.3	80.1	49.4	37.8	31.1	24.5	20.5	17.8	16.0	15.6
52.5°	1456.5	500.0	74.3	44.5	34.7	27.6	21.4	17.8	15.1	13.3	12.9
55°	1543.7	536.5	69.8	40.0	31.1	24.0	18.7	15.1	12.9	11.1	10.7
57.5°	1638.5	575.2	64.5	36.0	28.0	21.4	16.5	12.9	11.1	9.3	8.9
60°	1776.4	632.6	56.5	32.9	24.5	18.7	14.2	11.6	9.8	7.6	7.1
62.5°	1975.2	737.2	47.6	28.5	20.9	16.0	12.0	9.8	8.0	6.2	5.3
65°	2347.2	915.1	39.1	23.6	16.9	13.3	10.2	8.0	6.2	4.4	4.0
67.5°	2615.0	961.4	31.6	19.1	13.8	10.2	8.5	6.2	4.4	3.1	2.7
70°	2286.2	690.4	24.5	15.6	11.6	8.0	6.7	4.9	3.1	2.2	1.8
72.5°	1722.6	451.1	18.2	12.0	8.9	6.7	4.9	4.0	2.7	1.8	1.3
75°	1214.1	260.7	13.3	8.9	6.2	4.9	4.0	3.1	2.2	1.3	1.3
77.5°	622.4	107.7	9.3	6.2	4.4	3.1	2.7	1.8	1.8	1.3	0.9
80°	189.1	35.6	5.3	4.0	3.1	2.2	1.3	1.3	1.3	0.9	0.4
82.5°	43.2	11.6	3.1	3.1	2.2	1.8	1.3	0.4	0.4	0.0	0.0
85°	11.1	3.6	2.7	2.2	2.2	1.8	0.9	0.4	0.0	0.0	0.0
87.5°	4.0	2.2	2.2	2.2	1.8	1.3	0.9	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)