

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: P629644

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629644
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
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-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3021.8 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

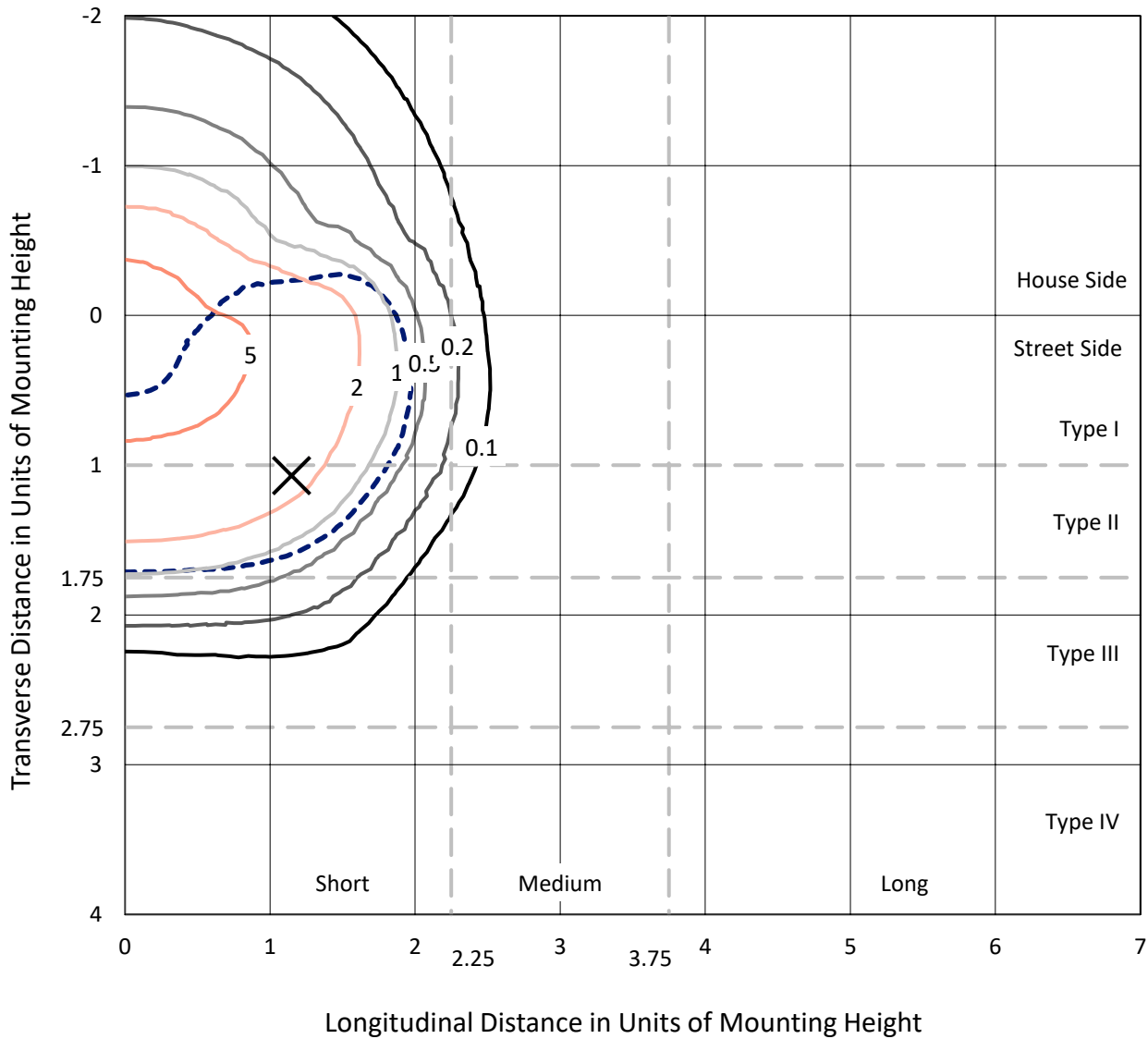
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

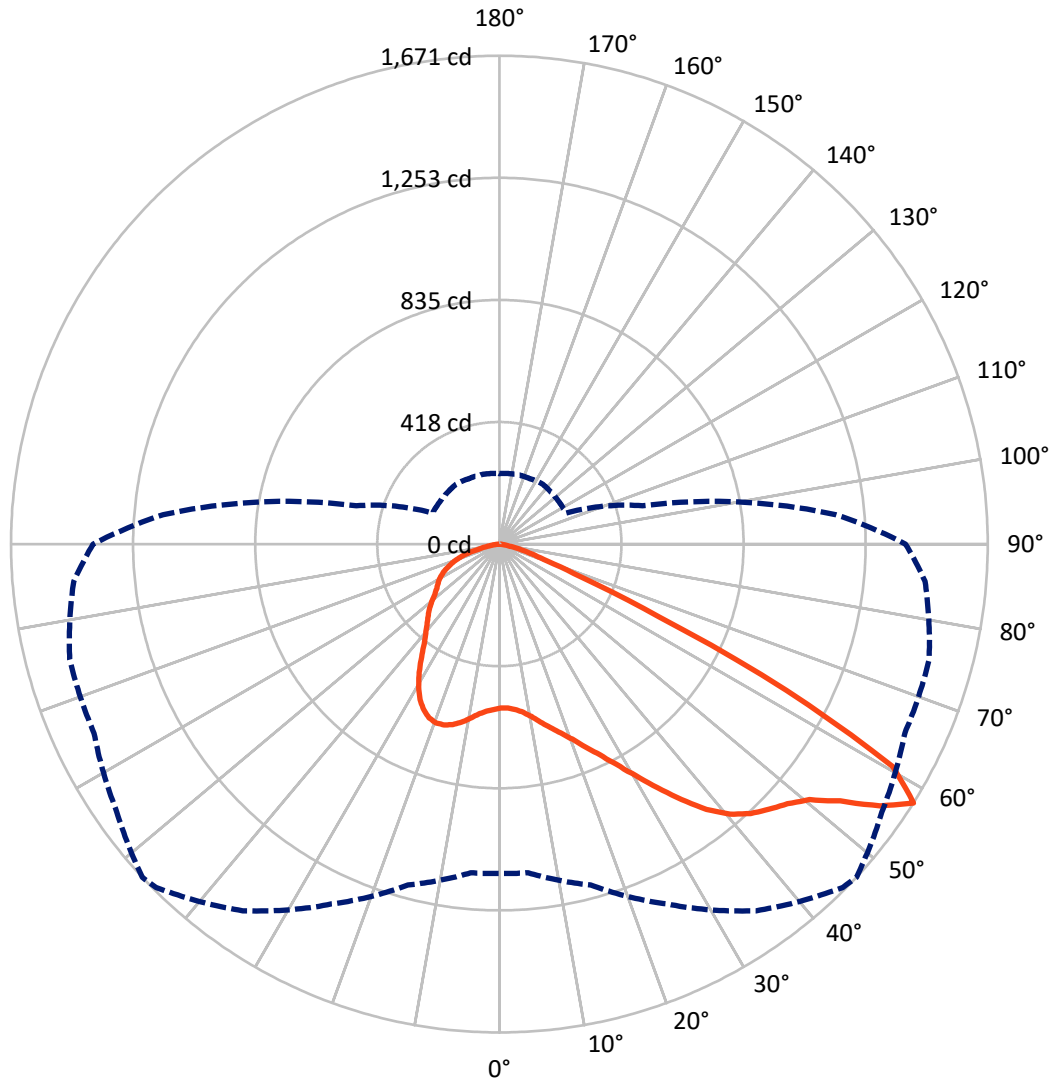
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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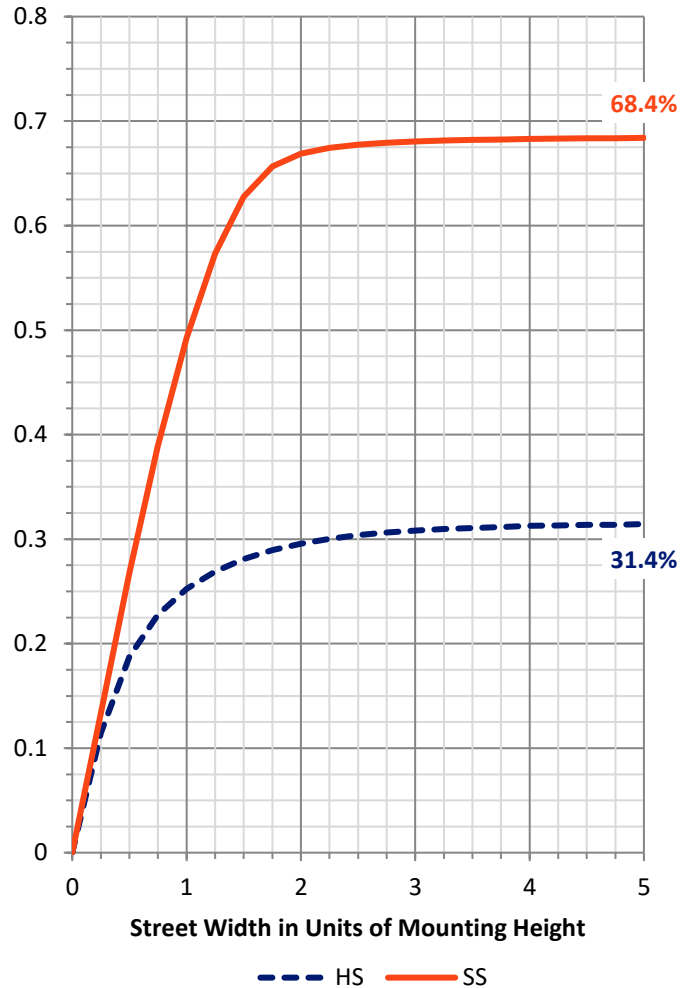
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	956.4	0.0	956.4
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	2065.4	0.0	2065.4
	% Fixture	68.4	0.0	68.4
Total	Lumens	3021.8	0.0	3021.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.3	1.8
10°-20°	181.8	6.0
20°-30°	327.3	10.8
30°-40°	494.4	16.4
40°-50°	665.8	22.0
50°-60°	800.0	26.5
60°-70°	389.6	12.9
70°-80°	96.0	3.2
80°-90°	11.5	0.4
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°	3021.8	100.0
0°-180°	3021.8	100.0

Coefficient of Utilization



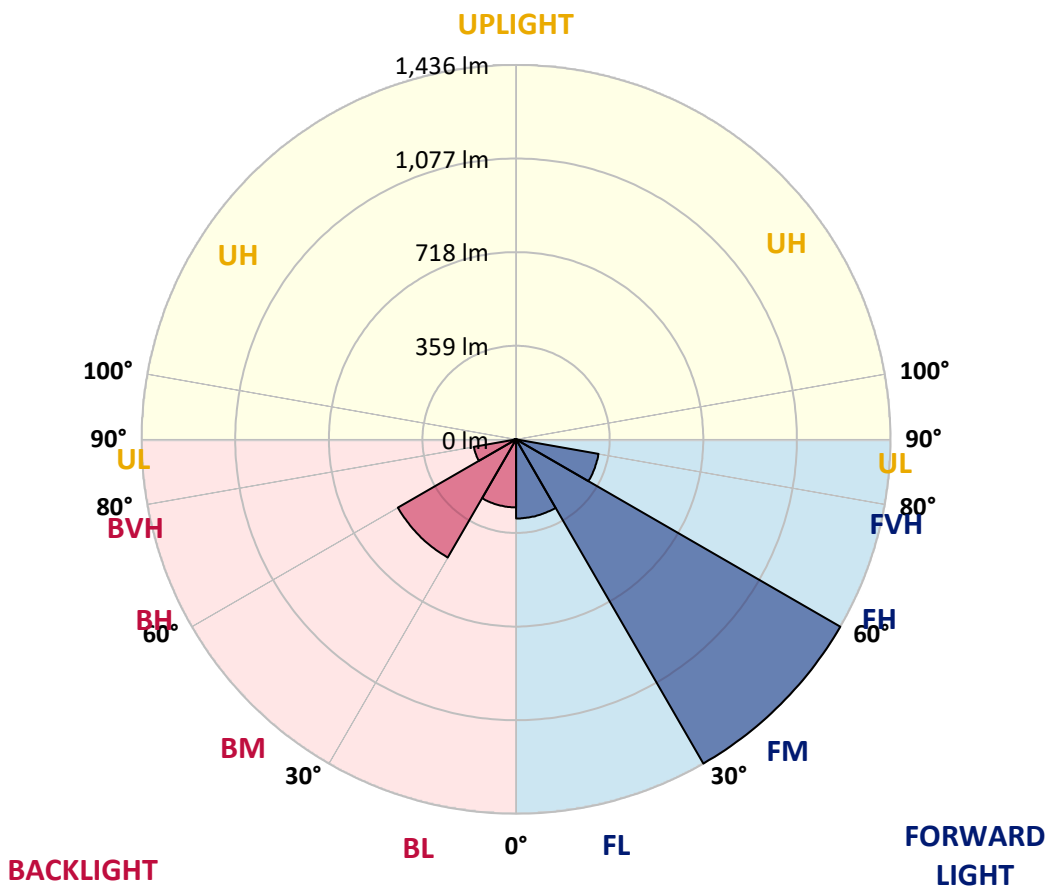
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	303.5	10.0			
FM (30°-60°)	1436.4	47.5			
FH (60°-80°)	321.1	10.6			G0/660
FVH (80°-90°)	4.3	0.1			G0/10
BL (0°-30°)	260.9	8.6	B1/500		
BM (30°-60°)	523.8	17.3	B1/1000		
BH (60°-80°)	164.5	5.4	B1/500		G1/500
BVH (80°-90°)	7.2	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	560.4	560.4	560.4	560.4	560.4	560.4	560.4	560.4	560.4	560.4	560.4
2.5°	559.4	559.1	559.1	560.7	560.7	561.2	561.9	562.7	562.9	561.7	558.9
5°	565.5	565.5	565.5	566.7	566.7	567.2	568.3	568.5	568.3	566.2	563.4
7.5°	575.1	575.1	575.4	576.9	578.2	578.9	580.7	580.4	579.7	576.4	572.8
10°	590.9	591.6	592.4	594.2	596.7	598.5	599.7	599.7	598.7	593.6	589.1
12.5°	613.2	614.2	615.0	616.5	618.5	621.6	624.4	624.4	623.1	616.7	609.9
15°	639.3	640.3	640.1	640.6	644.4	648.7	651.0	652.5	653.0	644.2	633.5
17.5°	669.3	670.3	669.3	667.8	668.3	675.1	679.2	684.8	688.1	676.1	659.1
20°	696.4	695.4	695.4	696.4	698.0	706.3	712.4	721.6	725.6	711.2	684.8
22.5°	725.1	727.4	726.4	726.4	732.5	746.4	753.8	765.7	770.0	751.3	715.7
25°	762.2	764.2	763.7	764.2	771.3	791.1	798.5	820.5	824.9	798.0	750.0
27.5°	802.8	806.1	807.6	807.1	818.5	844.4	853.5	884.2	892.1	850.2	786.5
30°	855.6	859.1	860.4	859.9	873.3	908.6	919.0	954.0	965.2	912.2	833.0
32.5°	916.7	920.3	924.1	925.6	942.9	978.9	993.9	1030.2	1046.2	983.7	889.1
35°	977.4	980.4	987.8	999.7	1023.3	1060.1	1073.3	1109.1	1124.6	1058.1	956.8
37.5°	1044.4	1046.4	1052.8	1069.3	1103.3	1138.3	1151.5	1185.8	1187.5	1129.9	1033.5
40°	1117.7	1117.7	1116.5	1132.7	1168.3	1203.5	1215.0	1234.8	1224.3	1185.3	1108.1
42.5°	1179.9	1178.9	1179.9	1195.2	1221.6	1250.2	1260.1	1256.3	1243.1	1227.6	1175.6
45°	1236.0	1236.8	1245.9	1257.6	1271.3	1288.3	1294.1	1272.6	1260.6	1261.7	1229.7
47.5°	1274.1	1274.9	1296.2	1315.7	1324.1	1329.4	1326.9	1296.9	1290.8	1302.3	1271.3
50°	1279.2	1283.2	1320.0	1360.1	1380.9	1381.7	1374.6	1338.0	1336.3	1349.2	1293.6
52.5°	1280.2	1284.2	1330.2	1402.5	1456.6	1468.0	1459.9	1421.8	1403.3	1390.3	1321.0
55°	1276.4	1280.9	1331.7	1430.9	1534.5	1580.2	1580.9	1527.1	1468.0	1459.4	1399.2
57.5°	1126.9	1128.7	1207.3	1358.6	1531.4	1660.9	1670.8	1597.7	1530.2	1522.1	1461.9
60°	785.0	792.1	877.7	1077.4	1286.5	1514.7	1546.7	1525.4	1480.2	1421.0	1254.3
62.5°	393.1	399.2	485.0	673.8	887.3	1067.5	1101.8	1124.3	1135.0	1071.6	854.0
65°	169.3	173.9	227.2	352.0	502.3	589.3	601.3	628.4	694.9	620.0	460.1
67.5°	113.2	116.2	143.4	214.7	295.9	301.5	299.7	305.6	320.0	264.2	207.9
70°	86.8	89.3	107.6	157.4	212.7	182.0	172.3	156.3	169.8	173.1	168.5
72.5°	62.9	65.0	78.7	107.4	133.2	116.2	114.7	122.8	141.1	146.2	143.4
75°	40.6	41.6	50.0	58.9	68.8	74.6	77.7	92.4	110.9	114.7	111.4
77.5°	27.2	27.9	32.7	37.8	39.1	39.3	40.4	47.0	59.6	66.8	66.0
80°	14.2	14.2	16.0	16.0	18.3	21.8	22.8	27.2	33.0	36.5	36.8
82.5°	5.6	5.8	6.9	7.6	9.1	11.2	11.9	14.2	17.3	19.8	22.1
85°	2.3	2.5	2.8	3.3	4.1	5.1	5.3	6.1	8.1	10.2	11.4
87.5°	0.0	0.0	0.3	0.3	0.5	0.8	0.8	1.0	1.3	2.3	3.0
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°	560.4	560.4	560.4	560.4	560.4	560.4	560.4	560.4	560.4	560.4	560.4
2.5°	562.2	558.9	562.2	563.2	566.0	567.0	565.2	565.0	565.0	562.4	561.7
5°	566.0	562.9	566.2	567.8	571.8	574.4	574.9	576.9	578.2	577.1	576.9
7.5°	575.4	571.6	575.1	577.4	582.7	586.8	588.6	593.1	596.4	595.9	595.7
10°	591.9	586.8	590.9	594.7	600.5	605.3	605.6	608.1	611.4	610.4	609.9
12.5°	610.9	606.1	610.7	614.5	621.3	623.3	620.0	619.0	619.5	618.3	617.2
15°	634.3	627.4	631.5	635.8	639.6	637.3	630.2	627.4	627.1	625.4	624.4
17.5°	657.6	649.0	652.0	654.3	652.5	645.4	636.5	631.7	629.4	625.9	624.9
20°	680.7	669.8	669.3	667.5	659.4	646.4	634.5	624.9	619.0	614.2	612.4
22.5°	707.1	691.9	684.3	676.1	658.4	637.3	619.3	605.6	596.2	590.1	588.1
25°	735.5	713.9	698.2	682.0	648.2	617.8	592.6	573.8	562.7	556.1	553.8
27.5°	763.7	734.0	710.4	682.7	627.9	589.6	555.8	530.4	519.3	514.0	512.2
30°	801.8	760.6	724.9	672.8	601.3	550.5	508.4	482.7	475.4	471.6	470.0
32.5°	845.7	794.4	744.2	652.0	567.2	504.8	460.4	442.6	437.6	430.2	429.9
35°	903.5	842.6	762.4	621.3	524.4	455.8	423.6	410.9	401.8	390.1	389.1
37.5°	971.1	902.8	772.3	582.2	474.4	415.5	396.2	382.0	367.3	351.8	349.7
40°	1040.8	973.1	773.1	536.0	425.4	388.8	372.6	354.1	335.8	318.5	316.2
42.5°	1114.2	1038.6	759.6	482.7	385.3	365.7	349.2	325.9	305.3	293.7	292.4
45°	1179.7	1091.4	729.2	426.6	355.6	346.4	325.4	300.2	289.3	281.0	279.2
47.5°	1231.2	1126.4	688.1	376.4	331.5	326.6	299.2	286.3	277.9	270.3	268.5
50°	1256.6	1134.2	634.5	335.5	309.1	303.3	284.5	274.6	269.0	262.9	261.4
52.5°	1288.1	1143.1	588.3	301.3	287.3	279.4	272.3	264.5	260.4	256.6	255.3
55°	1360.4	1176.6	564.0	273.9	266.5	262.9	261.9	255.3	254.1	251.5	249.2
57.5°	1389.8	1155.1	506.3	251.5	250.0	250.5	253.0	247.0	245.7	242.6	241.1
60°	1117.7	873.1	342.9	232.2	236.3	239.6	242.1	236.0	234.3	233.8	231.7
62.5°	716.2	537.0	239.3	214.2	220.3	224.4	225.9	220.0	218.8	222.8	223.1
65°	372.8	292.6	194.2	194.9	200.0	206.1	209.1	207.1	206.6	210.9	211.2
67.5°	190.4	178.9	169.3	172.1	176.1	184.0	191.1	200.0	203.0	203.6	203.8
70°	162.2	157.1	152.3	154.1	158.4	162.7	169.5	173.9	168.8	167.5	167.0
72.5°	138.1	134.3	132.0	134.0	136.3	135.5	133.5	135.5	136.3	136.5	136.8
75°	107.4	104.6	102.8	103.0	103.0	100.3	96.4	94.2	91.6	89.6	89.6
77.5°	65.7	66.2	68.0	67.8	67.5	66.5	62.7	60.7	54.6	52.8	52.8
80°	37.6	38.3	40.1	40.6	40.6	39.3	35.5	33.2	30.5	29.2	28.9
82.5°	22.8	23.9	24.9	25.4	25.6	24.1	20.8	19.0	17.5	16.2	16.2
85°	11.9	12.4	13.5	13.7	12.9	11.4	9.6	8.9	7.4	7.1	7.1
87.5°	3.3	3.6	4.1	3.3	3.0	2.3	1.3	1.0	0.5	0.3	0.3
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)