

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: P630082

Luminaire Tested: GWS-SA1C-830-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630082
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-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3258.9 lumens
Efficiency: N/A
Efficacy: 95.6 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

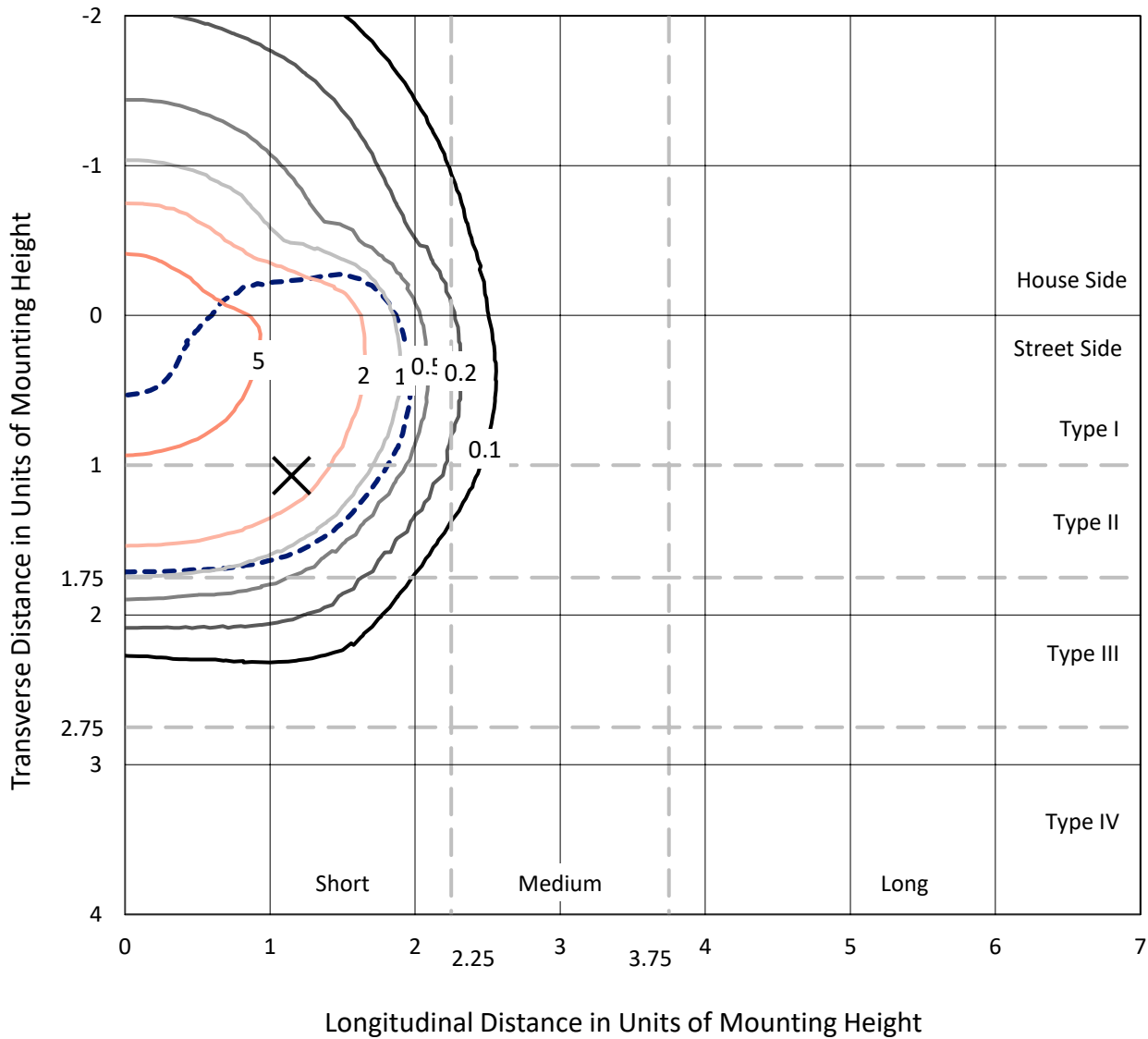
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

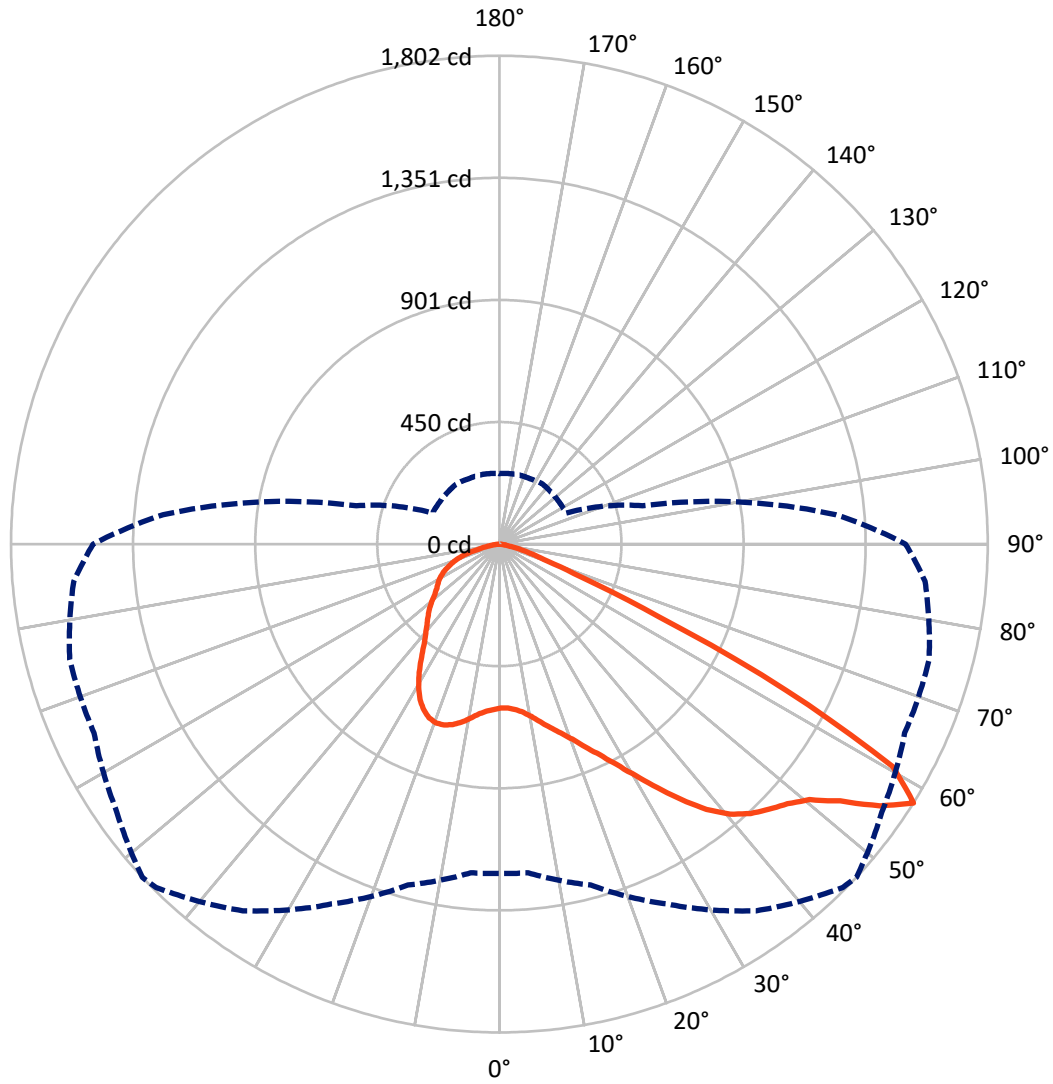
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 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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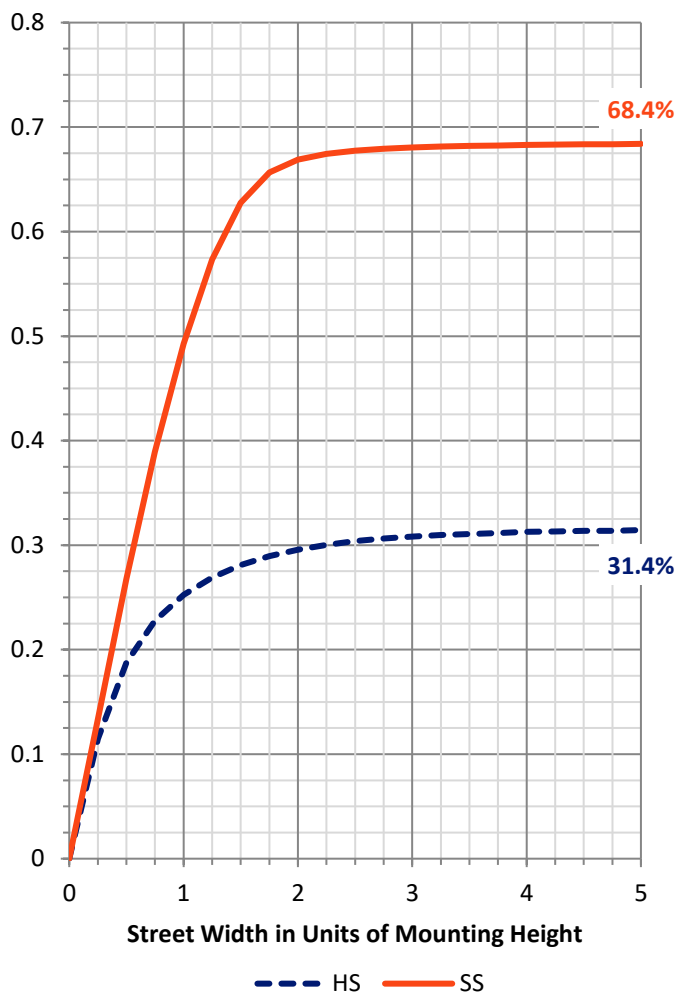
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1031.4	0.0	1031.4
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	2227.5	0.0	2227.5
	% Fixture	68.4	0.0	68.4
Total	Lumens	3258.9	0.0	3258.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.6	1.8
10°-20°	196.1	6.0
20°-30°	353.0	10.8
30°-40°	533.2	16.4
40°-50°	718.0	22.0
50°-60°	862.8	26.5
60°-70°	420.2	12.9
70°-80°	103.5	3.2
80°-90°	12.4	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°	3258.9	100.0
0°-180°	3258.9	100.0

Coefficient of Utilization



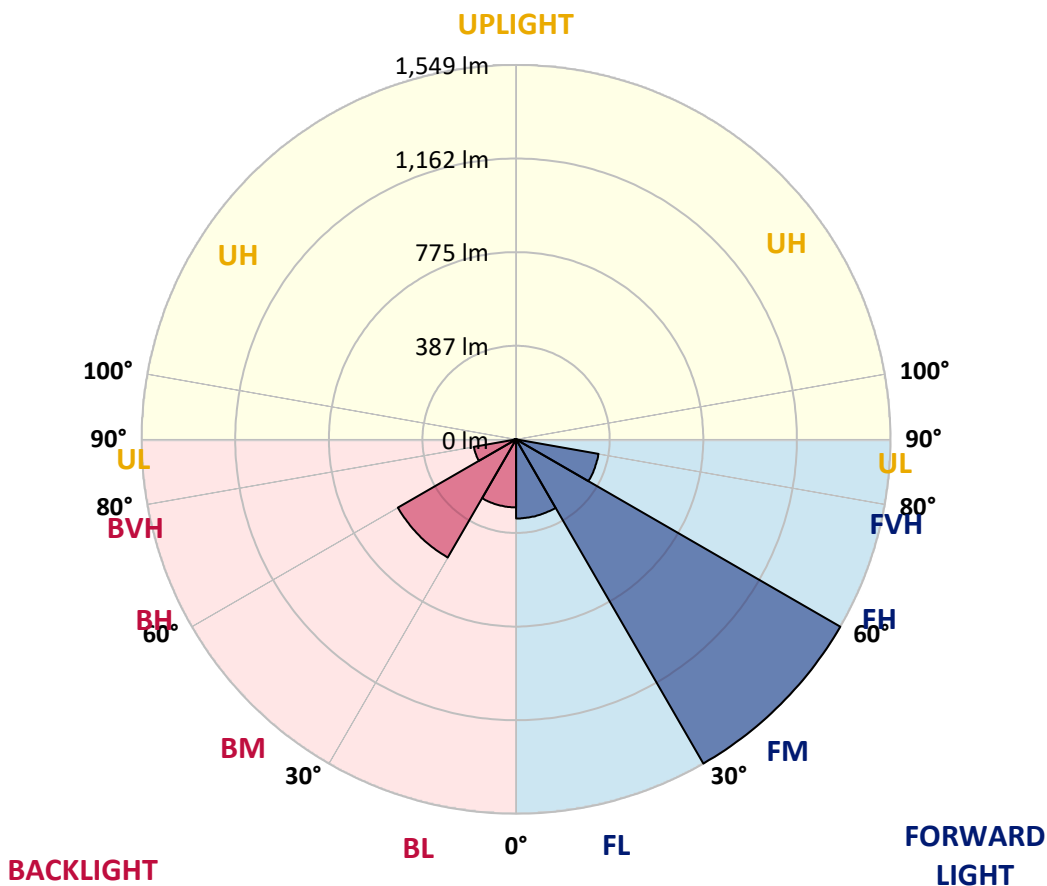
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	327.3	10.0			
FM (30°-60°)	1549.1	47.5			
FH (60°-80°)	346.3	10.6			G0/660
FVH (80°-90°)	4.7	0.1			G0/10
BL (0°-30°)	281.4	8.6	B1/500		
BM (30°-60°)	564.9	17.3	B1/1000		
BH (60°-80°)	177.4	5.4	B1/500		G1/500
BVH (80°-90°)	7.8	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°	604.4	604.4	604.4	604.4	604.4	604.4	604.4	604.4	604.4	604.4	604.4
2.5°	603.3	603.0	603.0	604.6	604.6	605.2	606.0	606.8	607.1	605.7	602.7
5°	609.8	609.8	609.8	611.2	611.2	611.8	612.9	613.1	612.9	610.7	607.7
7.5°	620.2	620.2	620.5	622.2	623.5	624.3	626.3	626.0	625.2	621.6	617.8
10°	637.2	638.0	638.9	640.8	643.5	645.4	646.8	646.8	645.7	640.2	635.3
12.5°	661.3	662.4	663.2	664.9	667.0	670.3	673.3	673.3	672.0	665.1	657.7
15°	689.5	690.6	690.3	690.9	695.0	699.6	702.1	703.7	704.3	694.7	683.2
17.5°	721.8	722.9	721.8	720.2	720.7	728.1	732.5	738.5	742.0	729.2	710.8
20°	751.1	750.0	750.0	751.1	752.7	761.8	768.3	778.2	782.6	767.0	738.5
22.5°	782.0	784.5	783.4	783.4	789.9	805.0	812.9	825.8	830.5	810.2	771.9
25°	822.0	824.2	823.6	824.2	831.8	853.2	861.1	884.9	889.6	860.6	808.8
27.5°	865.8	869.3	871.0	870.4	882.7	910.7	920.5	953.6	962.1	917.0	848.2
30°	922.7	926.5	927.9	927.4	941.9	979.9	991.1	1028.9	1040.9	983.7	898.3
32.5°	988.7	992.5	996.6	998.2	1016.9	1055.7	1071.9	1111.0	1128.3	1060.9	958.8
35°	1054.1	1057.4	1065.3	1078.2	1103.6	1143.3	1157.6	1196.1	1212.8	1141.1	1031.9
37.5°	1126.3	1128.5	1135.4	1153.2	1189.8	1227.6	1241.9	1278.8	1280.7	1218.6	1114.6
40°	1205.5	1205.5	1204.1	1221.6	1259.9	1298.0	1310.3	1331.6	1320.4	1278.3	1195.0
42.5°	1272.5	1271.4	1272.5	1288.9	1317.4	1348.3	1359.0	1354.9	1340.7	1324.0	1267.9
45°	1333.0	1333.8	1343.7	1356.3	1371.0	1389.4	1395.7	1372.4	1359.6	1360.6	1326.2
47.5°	1374.1	1374.9	1397.9	1419.0	1428.0	1433.7	1431.0	1398.7	1392.1	1404.4	1371.0
50°	1379.5	1383.9	1423.6	1466.9	1489.3	1490.1	1482.5	1443.0	1441.1	1455.1	1395.1
52.5°	1380.6	1385.0	1434.6	1512.6	1570.9	1583.2	1574.4	1533.4	1513.4	1499.4	1424.7
55°	1376.5	1381.5	1436.2	1543.2	1654.9	1704.2	1705.0	1647.0	1583.2	1573.9	1509.0
57.5°	1215.3	1217.2	1302.1	1465.2	1651.6	1791.2	1801.9	1723.1	1650.2	1641.5	1576.6
60°	846.6	854.3	946.5	1161.9	1387.5	1633.5	1668.0	1645.0	1596.3	1532.5	1352.7
62.5°	424.0	430.6	523.1	726.7	956.9	1151.3	1188.2	1212.6	1224.1	1155.6	921.1
65°	182.6	187.5	245.0	379.6	541.7	635.6	648.4	677.7	749.4	668.7	496.2
67.5°	122.1	125.4	154.7	231.6	319.2	325.2	323.3	329.6	345.2	284.9	224.2
70°	93.6	96.3	116.1	169.7	229.4	196.3	185.9	168.6	183.1	186.7	181.7
72.5°	67.9	70.1	84.9	115.8	143.7	125.4	123.7	132.5	152.2	157.7	154.7
75°	43.8	44.9	53.9	63.5	74.2	80.5	83.8	99.6	119.6	123.7	120.2
77.5°	29.3	30.1	35.3	40.8	42.2	42.4	43.5	50.6	64.3	72.0	71.2
80°	15.3	15.3	17.2	17.2	19.7	23.5	24.6	29.3	35.6	39.4	39.7
82.5°	6.0	6.3	7.4	8.2	9.9	12.0	12.9	15.3	18.6	21.3	23.8
85°	2.5	2.7	3.0	3.6	4.4	5.5	5.7	6.6	8.8	10.9	12.3
87.5°	0.0	0.0	0.3	0.3	0.5	0.8	0.8	1.1	1.4	2.5	3.3
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°	604.4	604.4	604.4	604.4	604.4	604.4	604.4	604.4	604.4	604.4	604.4
2.5°	606.3	602.7	606.3	607.4	610.4	611.5	609.6	609.3	609.3	606.6	605.7
5°	610.4	607.1	610.7	612.3	616.7	619.4	620.0	622.2	623.5	622.4	622.2
7.5°	620.5	616.4	620.2	622.7	628.5	632.8	634.8	639.7	643.2	642.7	642.4
10°	638.3	632.8	637.2	641.3	647.6	652.8	653.1	655.8	659.4	658.3	657.7
12.5°	658.8	653.6	658.6	662.7	670.1	672.2	668.7	667.6	668.1	666.8	665.7
15°	684.0	676.6	681.0	685.7	689.8	687.3	679.6	676.6	676.4	674.4	673.3
17.5°	709.2	699.9	703.2	705.6	703.7	696.1	686.5	681.3	678.8	675.0	673.9
20°	734.1	722.3	721.8	719.9	711.1	697.2	684.3	673.9	667.6	662.4	660.5
22.5°	762.6	746.2	737.9	729.2	710.0	687.3	667.9	653.1	643.0	636.4	634.2
25°	793.2	770.0	753.0	735.5	699.1	666.2	639.1	618.9	606.8	599.7	597.3
27.5°	823.6	791.6	766.1	736.3	677.2	635.8	599.4	572.1	560.0	554.3	552.4
30°	864.7	820.3	781.7	725.6	648.4	593.7	548.3	520.6	512.7	508.6	506.9
32.5°	912.0	856.7	802.5	703.2	611.8	544.4	496.5	477.4	471.9	464.0	463.7
35°	974.4	908.7	822.2	670.1	565.5	491.6	456.8	443.1	433.3	420.7	419.6
37.5°	1047.2	973.6	832.9	627.9	511.6	448.1	427.3	411.9	396.1	379.4	377.2
40°	1122.5	1049.4	833.7	578.1	458.8	419.3	401.8	381.8	362.1	343.5	341.1
42.5°	1201.6	1120.1	819.2	520.6	415.5	394.4	376.6	351.5	329.3	316.7	315.3
45°	1272.2	1177.0	786.4	460.1	383.5	373.6	350.9	323.8	312.0	303.0	301.1
47.5°	1327.8	1214.8	742.0	405.9	357.5	352.3	322.7	308.8	299.7	291.5	289.6
50°	1355.2	1223.2	684.3	361.9	333.4	327.1	306.8	296.2	290.1	283.6	281.9
52.5°	1389.1	1232.8	634.5	324.9	309.8	301.4	293.7	285.2	280.8	276.7	275.4
55°	1467.1	1269.0	608.2	295.3	287.4	283.6	282.5	275.4	274.0	271.3	268.8
57.5°	1498.9	1245.7	546.1	271.3	269.6	270.2	272.9	266.3	265.0	261.7	260.0
60°	1205.5	941.6	369.8	250.5	254.8	258.4	261.1	254.6	252.6	252.1	249.9
62.5°	772.4	579.2	258.1	231.0	237.6	242.0	243.6	237.3	235.9	240.3	240.6
65°	402.1	315.6	209.4	210.2	215.7	222.3	225.5	223.4	222.8	227.5	227.7
67.5°	205.3	193.0	182.6	185.6	190.0	198.4	206.1	215.7	219.0	219.5	219.8
70°	174.9	169.4	164.2	166.1	170.8	175.5	182.8	187.5	182.0	180.7	180.1
72.5°	148.9	144.8	142.3	144.5	147.0	146.2	144.0	146.2	147.0	147.3	147.5
75°	115.8	112.8	110.9	111.1	111.1	108.1	104.0	101.5	98.8	96.6	96.6
77.5°	70.9	71.4	73.4	73.1	72.8	71.7	67.6	65.4	58.8	56.9	56.9
80°	40.5	41.3	43.2	43.8	43.8	42.4	38.3	35.9	32.8	31.5	31.2
82.5°	24.6	25.7	26.8	27.4	27.6	26.0	22.4	20.5	18.9	17.5	17.5
85°	12.9	13.4	14.5	14.8	14.0	12.3	10.4	9.6	7.9	7.7	7.7
87.5°	3.6	3.8	4.4	3.6	3.3	2.5	1.4	1.1	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)