

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: P629306

Luminaire Tested: GWS-SA1B-735-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629306
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-735-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2947.1 lumens
Efficiency: N/A
Efficacy: 117.9 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

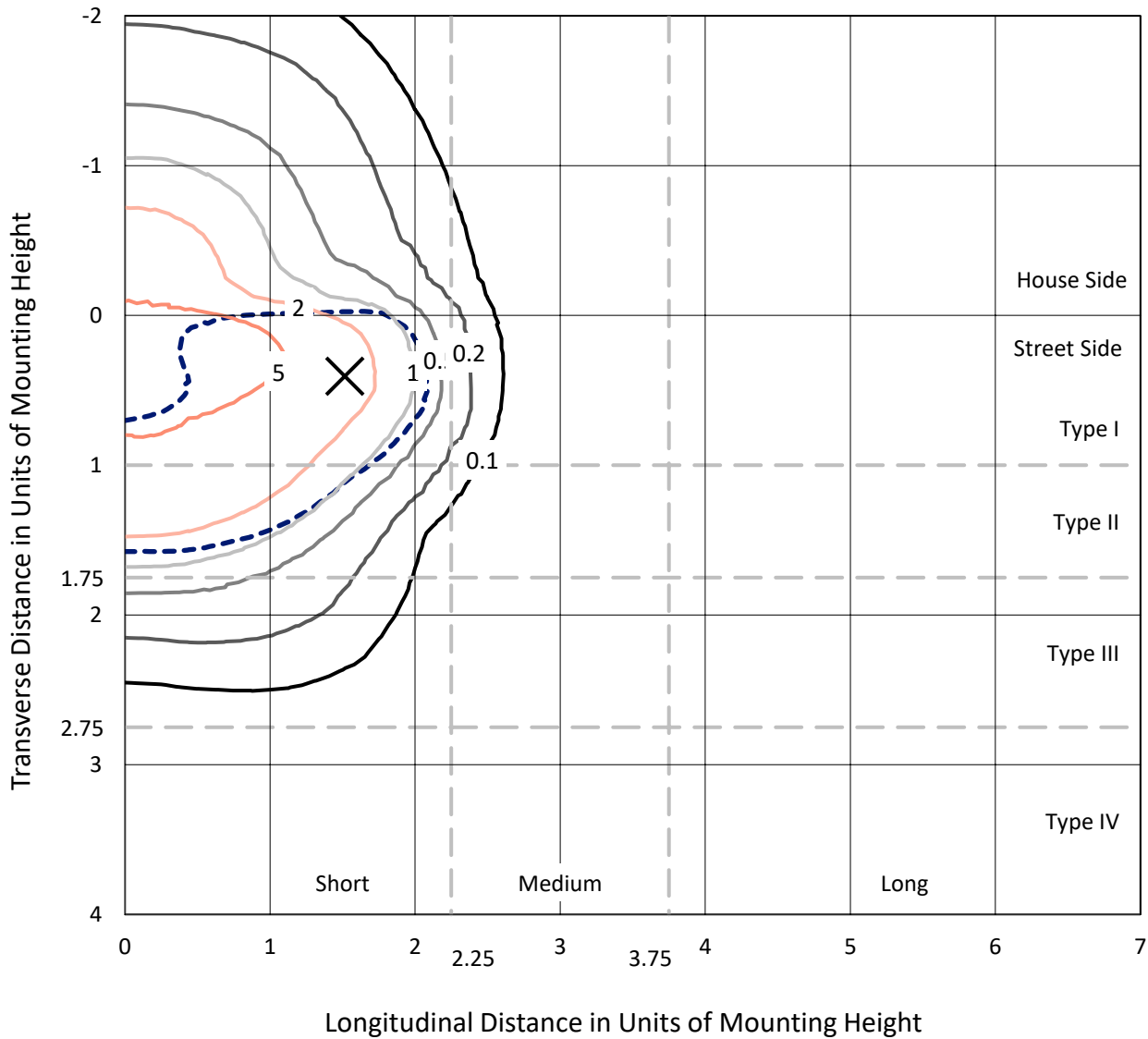
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

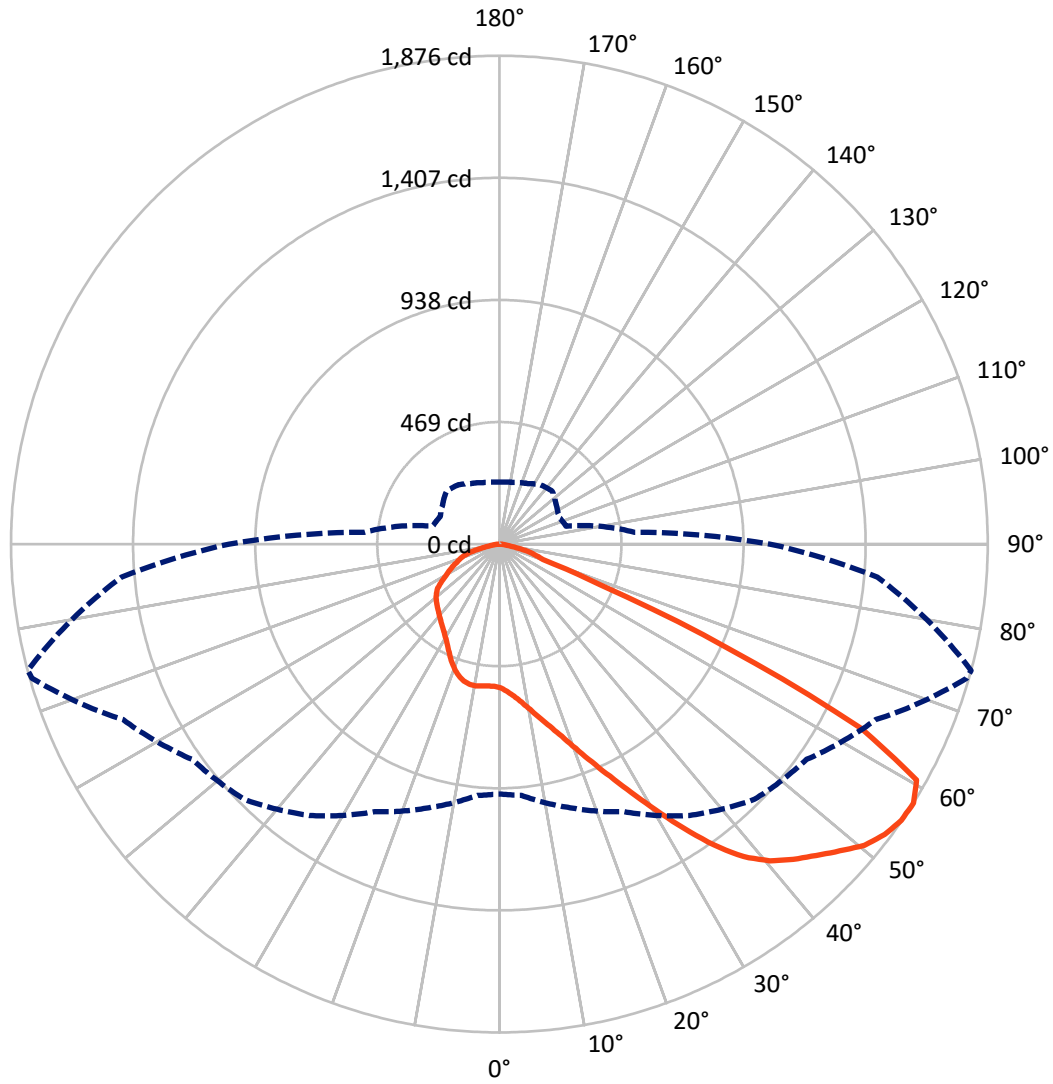
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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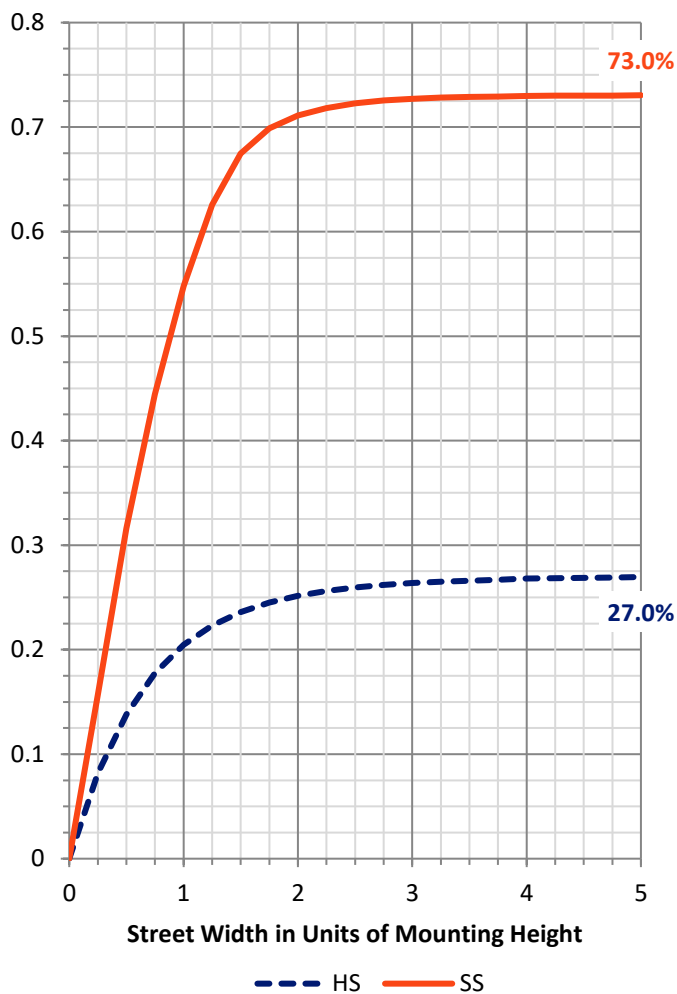
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	797.2	0.0	797.2
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	2149.8	0.0	2149.8
	% Fixture	72.9	0.0	72.9
Total	Lumens	2947.1	0.0	2947.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.2	1.9
10°-20°	175.8	6.0
20°-30°	311.9	10.6
30°-40°	477.4	16.2
40°-50°	664.7	22.6
50°-60°	761.6	25.8
60°-70°	391.3	13.3
70°-80°	98.5	3.3
80°-90°	10.5	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°	2947.1	100.0
0°-180°	2947.1	100.0

Coefficient of Utilization



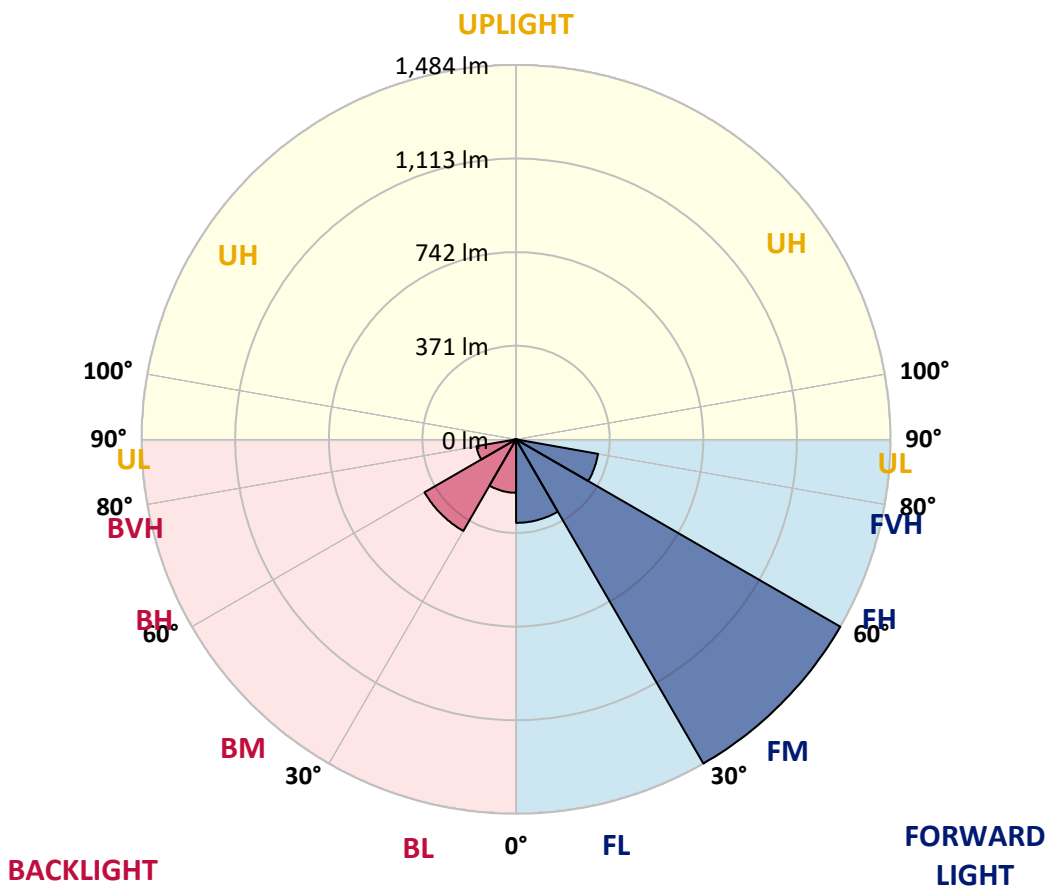
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	331.1	11.2			
FM (30°-60°)	1484.5	50.4			
FH (60°-80°)	330.3	11.2			G0/660
FVH (80°-90°)	3.9	0.1			G0/10
BL (0°-30°)	211.8	7.2	B1/500		
BM (30°-60°)	419.3	14.2	B1/1000		
BH (60°-80°)	159.5	5.4	B1/500		G1/500
BVH (80°-90°)	6.6	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°	55°	65°	74°	75°	85°
0°	551.9	551.9	551.9	551.9	551.9	551.9	551.9	551.9	551.9	551.9	551.9
2.5°	593.0	594.5	593.0	595.5	590.4	588.2	582.6	574.2	567.6	566.6	559.3
5°	639.1	642.4	640.4	639.3	632.5	627.4	619.1	602.3	588.7	586.6	572.2
7.5°	668.7	671.0	671.0	671.8	669.2	663.4	654.6	634.8	615.5	612.5	590.7
10°	678.6	680.4	683.7	690.0	695.1	696.9	691.0	672.0	648.5	645.4	615.0
12.5°	680.9	682.9	688.0	699.7	713.6	726.3	727.3	713.3	687.0	683.7	643.1
15°	685.2	687.2	694.1	708.5	729.1	753.4	768.3	758.7	729.6	726.0	675.1
17.5°	684.7	687.0	697.1	716.4	744.0	779.2	808.1	812.2	782.0	775.9	711.3
20°	683.4	685.5	696.4	719.9	754.1	802.5	854.7	875.8	843.3	837.8	753.6
22.5°	693.6	695.9	704.2	723.7	759.5	820.5	897.8	948.5	916.1	908.2	802.3
25°	716.4	719.7	724.7	738.2	769.1	836.5	941.9	1030.9	997.7	988.3	855.2
27.5°	751.6	755.7	762.8	769.1	790.6	856.8	985.8	1123.1	1089.9	1080.0	911.3
30°	794.7	800.0	809.1	813.4	828.1	886.7	1033.4	1218.1	1198.9	1185.2	974.4
32.5°	854.2	861.6	870.2	871.5	880.3	932.0	1080.5	1312.4	1312.1	1302.5	1046.1
35°	931.8	939.6	941.4	943.2	947.5	994.4	1137.5	1398.3	1431.5	1420.3	1124.1
37.5°	1016.4	1027.8	1030.6	1022.8	1028.8	1069.4	1201.7	1467.2	1535.4	1523.5	1199.6
40°	1106.9	1111.4	1119.0	1106.6	1114.2	1155.3	1264.5	1511.3	1612.9	1600.3	1259.2
42.5°	1171.8	1180.1	1191.5	1187.0	1191.3	1228.8	1308.6	1532.6	1668.2	1655.5	1302.0
45°	1242.2	1244.7	1252.1	1251.1	1253.6	1288.6	1340.3	1542.0	1717.6	1706.2	1338.5
47.5°	1303.5	1307.3	1312.1	1306.6	1301.0	1323.8	1366.1	1550.1	1774.6	1760.9	1376.8
50°	1362.6	1365.9	1371.7	1355.5	1334.7	1340.5	1378.8	1561.2	1828.1	1818.5	1406.9
52.5°	1373.5	1377.0	1404.4	1407.7	1381.1	1360.5	1401.1	1585.8	1859.5	1853.4	1417.8
55°	1236.4	1242.7	1297.2	1359.8	1425.4	1418.8	1436.8	1598.7	1871.9	1873.4	1437.3
57.5°	959.7	968.8	1048.3	1134.3	1272.4	1386.6	1441.4	1595.5	1867.6	1876.0	1457.3
60°	629.5	634.8	729.1	825.3	968.5	1126.6	1290.1	1536.2	1829.3	1841.3	1452.3
62.5°	380.1	386.2	462.0	534.9	619.3	725.0	875.0	1234.6	1533.4	1560.0	1163.1
65°	265.3	273.4	339.8	399.9	429.0	407.2	443.2	689.5	955.3	966.5	710.8
67.5°	192.3	197.9	252.4	323.9	356.0	287.6	219.2	305.4	416.1	420.1	293.2
70°	125.9	132.3	181.7	246.6	290.7	233.1	164.0	165.2	175.1	177.1	170.3
72.5°	69.2	73.0	112.3	163.7	171.8	139.4	128.0	137.3	144.2	144.2	146.0
75°	35.7	39.0	45.9	54.0	65.1	76.3	92.2	106.2	113.5	114.0	113.3
77.5°	18.2	19.5	24.6	26.6	29.1	34.0	44.1	56.5	63.1	65.6	65.1
80°	8.6	9.1	10.4	12.2	15.0	19.0	23.8	28.4	32.4	32.9	35.7
82.5°	4.6	5.1	5.6	6.6	8.1	10.1	13.9	16.7	19.3	19.8	22.0
85°	1.8	2.0	2.3	2.5	3.5	4.3	5.8	7.9	9.6	9.6	11.4
87.5°	0.0	0.0	0.0	0.0	0.3	0.5	1.0	1.3	1.8	1.8	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°	551.9	551.9	551.9	551.9	551.9	551.9	551.9	551.9	551.9	551.9	551.9
2.5°	557.5	550.1	546.9	541.5	537.2	532.4	528.6	525.8	524.0	523.0	522.0
5°	566.6	555.5	546.6	536.0	528.6	521.5	515.7	511.6	509.6	508.1	507.1
7.5°	580.8	565.9	549.1	532.7	519.7	508.3	501.0	496.7	493.9	492.9	492.1
10°	600.3	579.5	551.9	525.8	506.6	494.1	489.1	487.0	487.3	486.8	486.5
12.5°	622.4	594.0	551.2	513.7	492.4	485.0	485.3	488.6	492.4	493.4	493.6
15°	646.2	608.2	543.8	497.9	481.2	482.0	488.6	496.4	503.5	506.3	506.8
17.5°	672.0	620.1	530.4	480.7	472.1	480.2	492.4	505.3	515.7	520.2	521.5
20°	700.9	630.2	511.4	463.7	463.5	476.9	494.7	511.6	524.8	530.9	531.9
22.5°	731.6	636.6	488.1	448.0	454.6	472.6	492.9	510.6	524.6	530.6	531.9
25°	762.5	638.6	462.5	433.6	445.5	465.8	484.3	498.5	511.6	517.0	518.0
27.5°	791.4	632.8	438.1	421.2	437.1	455.6	468.0	475.6	484.8	488.8	489.6
30°	820.8	621.1	417.6	411.3	427.8	441.7	447.3	447.8	451.3	451.3	451.8
32.5°	850.4	603.9	399.6	401.7	416.1	425.2	426.0	420.1	415.8	408.7	408.5
35°	884.6	586.4	384.9	390.8	402.4	408.0	405.7	394.6	384.2	372.5	372.0
37.5°	916.3	568.4	372.5	379.6	387.0	391.0	385.7	372.3	363.6	351.7	350.0
40°	942.4	552.2	360.6	367.9	371.5	375.0	366.4	355.5	356.8	350.2	350.0
42.5°	957.6	536.5	349.4	355.0	357.3	359.8	352.2	344.1	351.0	345.9	346.2
45°	968.8	522.8	339.3	341.3	346.9	350.7	343.6	334.5	336.0	316.5	311.9
47.5°	981.4	515.2	329.7	327.7	337.5	344.1	333.2	320.1	310.9	291.7	289.9
50°	994.9	512.4	319.5	314.0	325.9	332.2	319.5	303.1	291.2	280.8	279.8
52.5°	999.4	512.1	306.9	297.5	309.4	318.3	307.6	290.9	276.7	266.6	266.1
55°	1017.4	519.5	290.7	274.9	286.1	304.3	296.5	272.4	261.0	256.4	255.9
57.5°	1038.5	520.8	265.1	250.4	265.8	287.4	277.5	256.7	244.3	238.7	238.2
60°	1029.8	489.6	237.7	231.6	248.6	271.4	262.3	244.3	229.8	224.5	224.0
62.5°	784.8	345.6	217.7	215.4	230.1	248.3	246.6	227.8	214.1	210.3	209.8
65°	472.1	242.8	198.4	198.2	208.6	226.0	228.3	213.1	198.7	193.3	193.3
67.5°	233.4	185.7	176.6	175.4	181.9	194.4	204.0	191.6	179.4	174.3	173.6
70°	165.0	163.7	160.7	157.1	158.4	163.4	167.5	157.1	144.2	139.1	138.1
72.5°	142.7	142.9	140.9	138.1	137.1	133.5	130.0	122.4	114.5	109.2	109.7
75°	110.7	111.2	112.5	111.5	108.7	104.9	101.1	91.5	85.1	80.1	79.1
77.5°	64.6	67.2	71.2	70.2	70.7	65.4	63.9	54.5	48.7	45.1	44.3
80°	36.5	38.0	39.8	41.1	39.5	37.3	34.0	28.9	27.1	24.6	24.1
82.5°	22.0	23.6	24.3	25.3	24.8	21.8	19.3	16.0	14.4	13.2	12.9
85°	11.1	12.2	12.9	13.4	11.9	9.9	8.9	7.1	6.1	5.3	5.3
87.5°	2.8	3.0	3.5	3.0	2.8	1.3	1.0	0.3	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)