

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: P629145

Luminaire Tested: GWS-SA1B-722-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629145
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-722-U-T2R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY 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: 2323.4 lumens
Efficiency: N/A
Efficacy: 92.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

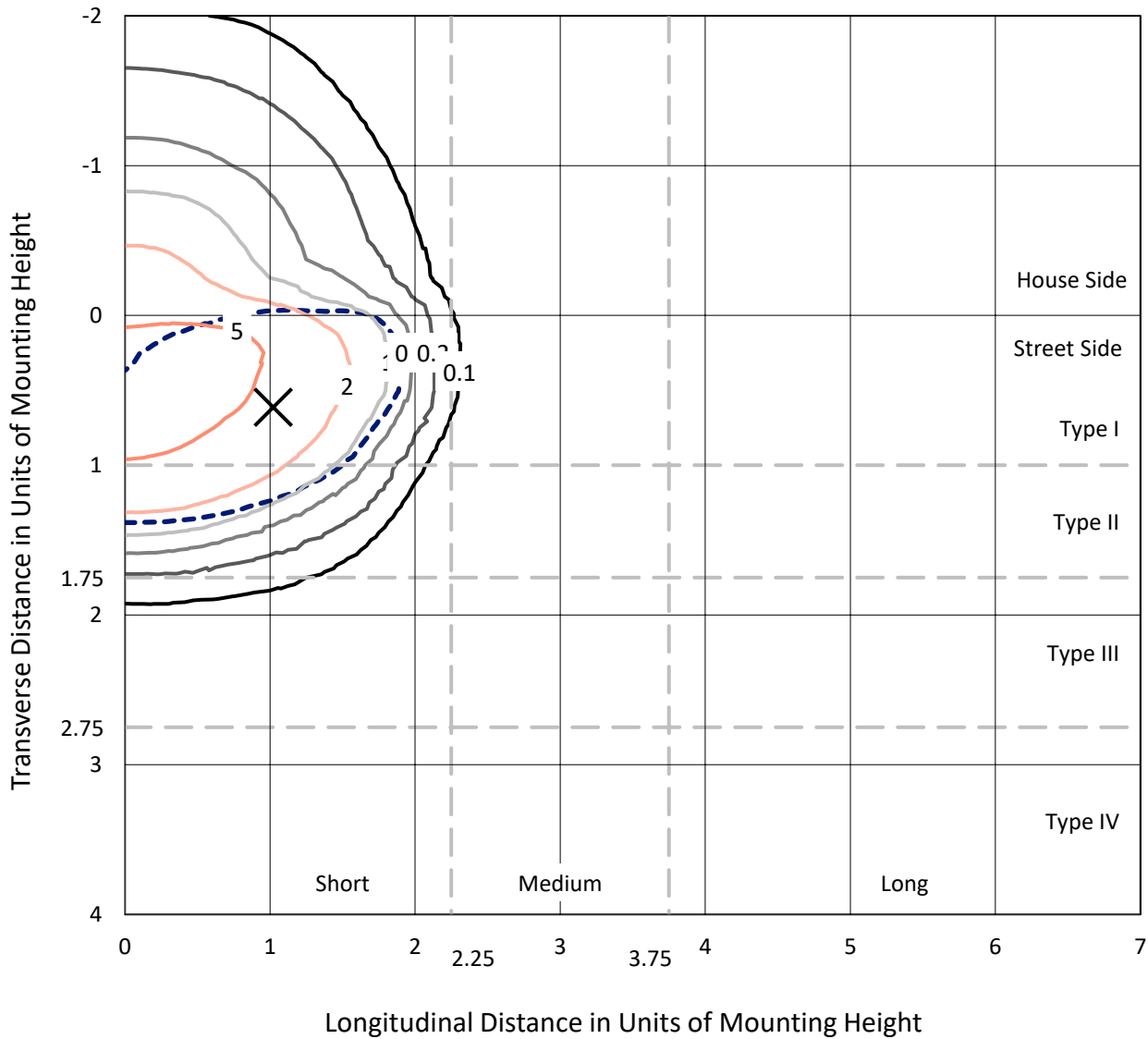
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

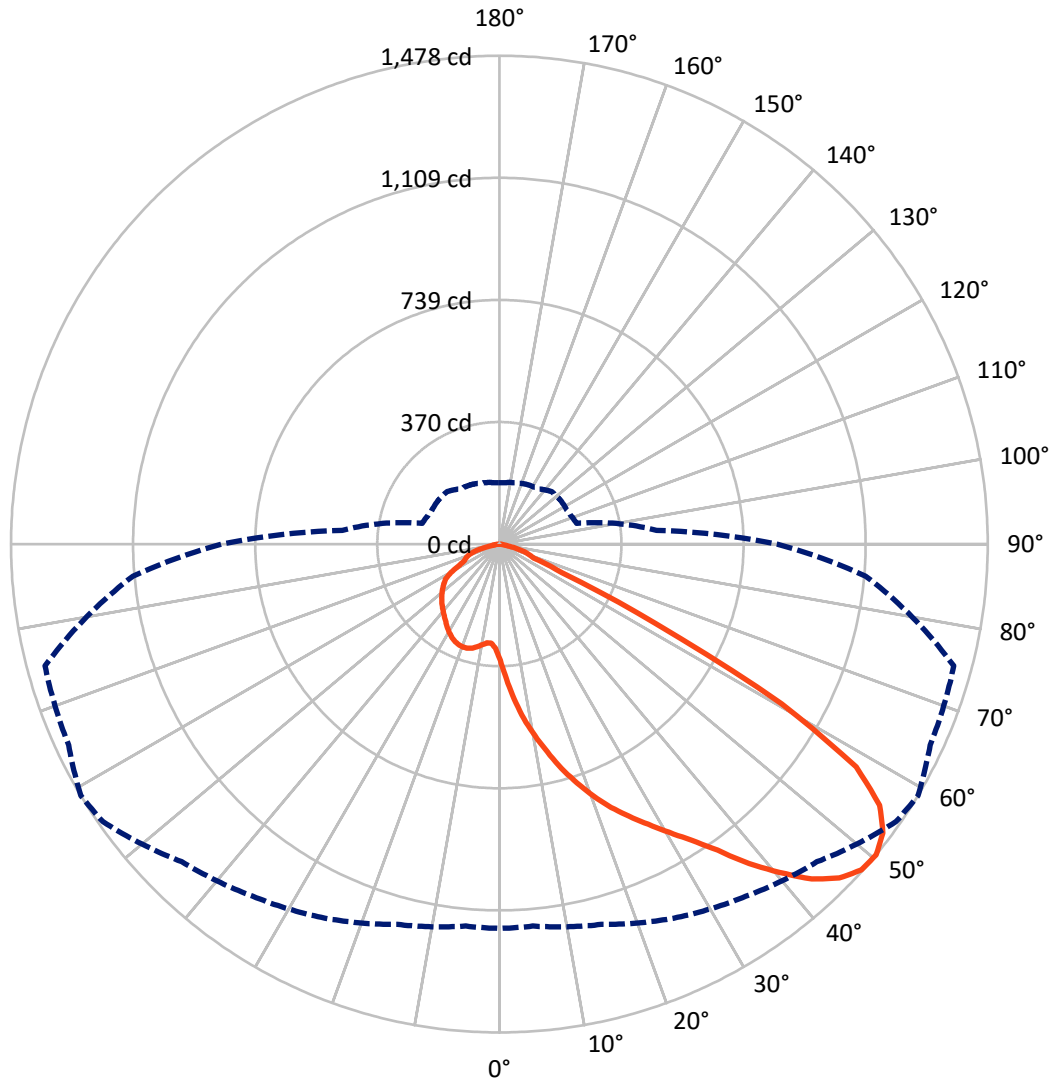
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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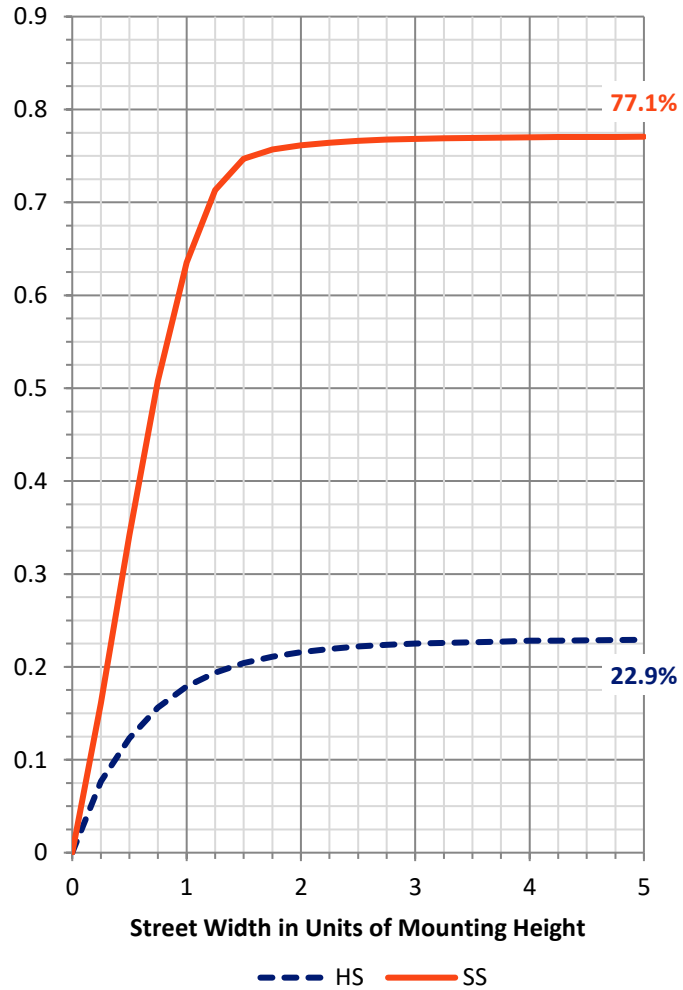
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	534.4	0.0	534.4
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	1789.0	0.0	1789.0
	% Fixture	77.0	0.0	77.0
Total	Lumens	2323.4	0.0	2323.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.5	1.7
10°-20°	143.4	6.2
20°-30°	271.5	11.7
30°-40°	450.2	19.4
40°-50°	614.9	26.5
50°-60°	558.2	24.0
60°-70°	185.9	8.0
70°-80°	54.2	2.3
80°-90°	5.7	0.2
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°	2323.4	100.0
0°-180°	2323.4	100.0

Coefficient of Utilization



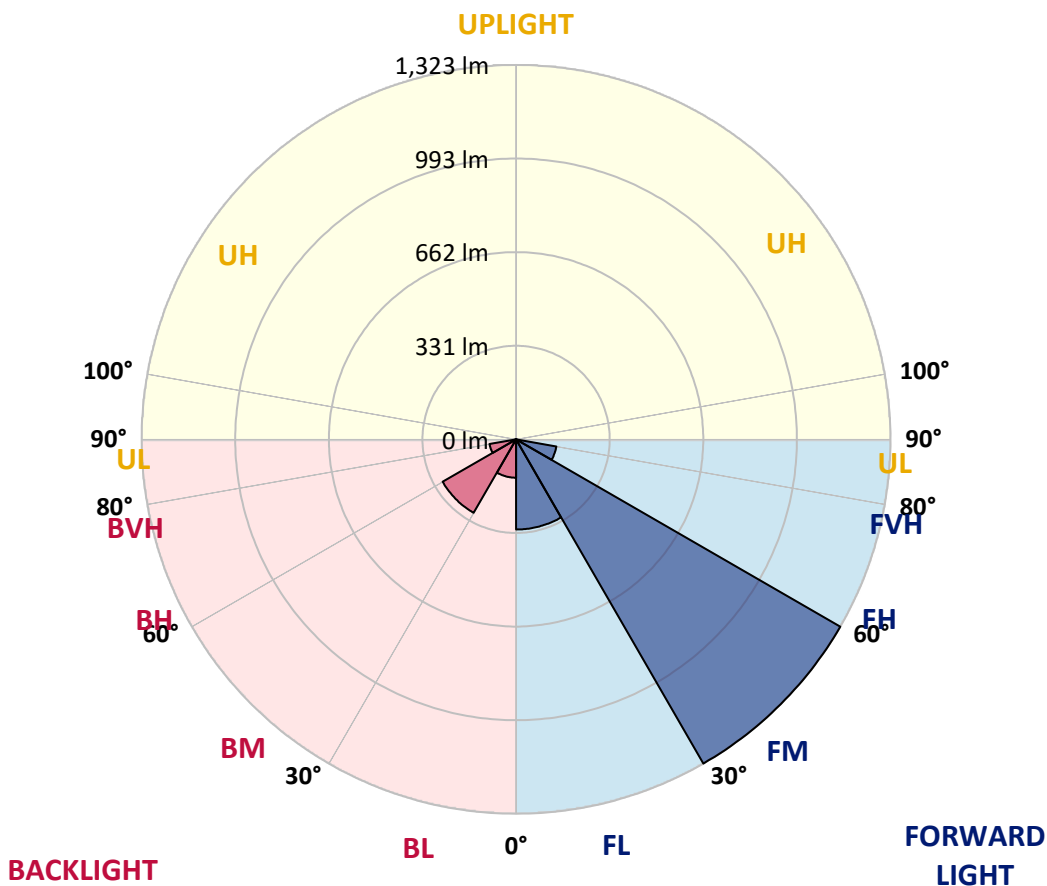
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	318.6	13.7			
FM (30°-60°)	1323.4	57.0			
FH (60°-80°)	144.7	6.2			G0/660
FVH (80°-90°)	2.2	0.1			G0/10
BL (0°-30°)	135.7	5.8	B1/500		
BM (30°-60°)	299.9	12.9	B1/1000		
BH (60°-80°)	95.4	4.1	B0/110		G0/110
BVH (80°-90°)	3.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	352.0	352.0	352.0	352.0	352.0	352.0	352.0	352.0	352.0	352.0	352.0
2.5°	456.1	459.5	454.2	454.6	441.3	435.3	418.3	408.2	401.6	383.0	366.2
5°	548.1	544.1	539.9	537.5	525.9	509.7	488.5	471.6	456.1	419.8	384.8
7.5°	604.5	602.4	599.6	598.0	586.7	569.7	548.5	534.1	511.6	462.3	407.3
10°	652.4	649.9	648.2	649.3	640.1	629.1	606.0	589.5	564.2	507.4	434.5
12.5°	689.5	690.8	691.3	697.4	693.4	686.8	663.0	645.5	617.3	554.9	466.5
15°	718.8	718.4	725.0	736.6	743.0	738.8	719.7	705.2	670.7	601.6	501.0
17.5°	725.6	726.0	736.4	756.6	777.6	787.9	777.1	759.7	725.6	647.8	536.7
20°	731.1	731.8	742.6	765.7	796.4	825.0	826.7	814.2	784.8	697.8	573.1
22.5°	765.7	767.4	770.3	784.8	812.5	848.6	868.5	865.8	841.2	750.2	612.2
25°	856.8	851.6	837.8	833.7	844.3	873.6	907.5	912.6	900.5	807.9	654.4
27.5°	969.2	963.7	943.2	921.7	898.8	909.0	945.1	960.5	960.7	871.5	696.8
30°	1071.2	1066.8	1050.2	1019.3	979.8	965.0	991.7	1012.3	1024.6	944.9	745.1
32.5°	1158.4	1154.4	1131.9	1106.8	1068.1	1038.4	1048.1	1068.0	1096.7	1039.9	805.1
35°	1231.9	1227.9	1206.3	1180.9	1145.2	1127.4	1124.0	1137.6	1174.9	1139.1	874.0
37.5°	1291.5	1287.5	1265.0	1241.1	1213.9	1215.0	1220.1	1226.7	1248.1	1245.3	947.6
40°	1330.1	1325.9	1309.8	1292.8	1275.6	1289.2	1314.6	1306.6	1318.0	1331.0	1015.3
42.5°	1347.3	1342.0	1332.7	1328.9	1323.6	1344.8	1393.7	1385.7	1372.1	1388.2	1065.7
45°	1330.1	1325.5	1325.3	1336.9	1349.2	1376.4	1448.4	1441.9	1407.5	1415.8	1095.8
47.5°	1277.3	1273.3	1284.1	1314.4	1344.6	1384.4	1472.8	1473.9	1432.6	1427.3	1115.3
50°	1163.2	1160.5	1191.7	1249.1	1301.3	1359.6	1465.0	1478.1	1438.7	1423.8	1112.8
52.5°	931.1	943.4	1011.4	1107.1	1208.6	1316.1	1436.2	1453.3	1409.6	1400.1	1099.6
55°	637.4	643.1	711.0	850.9	1011.7	1221.8	1370.2	1396.5	1375.1	1396.1	1113.4
57.5°	330.1	334.6	388.2	512.3	686.2	965.6	1186.8	1273.1	1305.7	1416.2	1156.3
60°	135.5	139.3	161.4	221.4	346.1	562.3	854.1	982.0	1058.5	1293.4	1026.9
62.5°	98.4	100.3	110.9	132.1	181.3	275.6	483.4	530.5	584.2	810.6	652.0
65°	82.9	85.0	93.5	106.4	132.3	169.0	206.5	207.6	228.8	330.2	241.7
67.5°	69.5	71.3	78.9	89.9	106.9	120.0	110.9	111.1	110.7	119.8	115.8
70°	54.1	55.6	63.2	74.9	83.8	77.0	86.7	96.0	92.0	95.6	101.1
72.5°	39.6	41.3	47.9	56.8	54.5	54.9	70.2	79.7	77.4	81.4	86.5
75°	28.6	29.7	33.1	28.4	29.9	36.1	49.4	54.5	56.8	60.2	64.7
77.5°	9.3	9.3	10.4	13.1	16.3	20.1	25.2	27.3	30.7	34.4	37.7
80°	4.7	4.9	5.9	7.2	9.1	11.5	14.8	15.7	17.4	19.5	20.8
82.5°	2.3	2.5	2.8	3.6	4.7	6.1	8.1	9.1	10.2	11.5	12.5
85°	0.6	0.6	0.8	1.1	1.5	2.3	3.0	3.6	4.5	5.5	6.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.8	0.9	1.1	1.5
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°	352.0	352.0	352.0	352.0	352.0	352.0	352.0	352.0	352.0	352.0	352.0
2.5°	358.6	348.0	334.4	322.9	312.3	304.1	297.1	293.7	290.5	288.2	289.0
5°	368.5	350.3	324.9	307.3	296.6	291.1	287.3	285.4	285.0	283.5	282.9
7.5°	382.9	356.9	323.1	305.3	298.1	295.2	293.2	292.0	292.6	291.1	290.5
10°	400.6	367.9	327.8	312.1	305.8	303.8	301.5	300.0	299.2	296.9	296.6
12.5°	422.8	381.5	336.3	320.8	314.5	310.9	307.9	305.3	303.6	300.7	300.0
15°	446.6	396.7	346.3	329.3	321.9	316.6	311.7	307.7	304.7	300.9	300.3
17.5°	472.6	412.6	354.7	335.2	325.7	318.7	311.5	305.6	301.5	296.6	296.0
20°	499.6	428.7	360.9	338.0	325.9	316.4	306.8	299.0	293.7	288.8	288.4
22.5°	527.6	443.4	364.7	337.2	322.9	311.1	299.6	290.9	284.6	278.8	278.4
25°	555.8	457.6	365.6	334.2	316.8	303.2	291.6	281.4	274.4	267.8	267.0
27.5°	584.4	469.5	363.4	328.2	308.7	293.9	282.4	272.3	265.1	258.5	257.4
30°	614.9	479.8	358.4	320.2	299.2	284.1	272.7	265.1	258.3	251.7	250.6
32.5°	647.4	488.7	351.4	310.6	288.2	274.2	265.9	259.1	252.3	246.4	245.3
35°	686.2	494.5	341.0	298.1	278.0	267.0	261.4	253.4	245.1	238.6	238.1
37.5°	726.4	499.1	328.5	286.2	269.1	262.9	258.1	247.4	236.9	229.2	228.2
40°	765.2	502.8	313.0	275.0	261.0	259.8	253.4	240.0	222.0	213.3	212.5
42.5°	801.3	504.0	296.7	263.1	253.6	253.0	245.8	225.0	211.2	205.7	205.0
45°	826.1	503.0	279.9	251.9	246.2	243.2	235.6	214.2	205.7	200.8	199.9
47.5°	844.4	498.1	261.0	240.2	237.9	233.7	217.5	207.4	199.5	194.6	193.6
50°	841.2	477.7	241.9	228.8	227.9	224.3	204.2	198.9	191.9	186.6	185.8
52.5°	824.6	438.9	222.4	216.3	218.2	211.2	194.7	188.7	182.6	176.6	175.2
55°	828.7	410.9	207.6	204.2	207.6	191.7	184.1	177.7	172.0	166.2	165.0
57.5°	846.9	383.2	191.9	191.1	194.7	176.8	170.5	162.4	154.2	149.5	149.5
60°	711.2	279.3	164.3	166.2	174.3	164.7	159.2	150.8	141.9	137.8	137.8
62.5°	420.5	175.2	136.3	134.2	139.3	145.3	148.4	141.6	131.0	125.5	125.7
65°	185.3	127.6	120.2	118.5	117.0	121.1	129.4	130.0	118.9	112.4	112.6
67.5°	114.1	115.4	112.4	111.1	109.8	109.0	108.3	108.6	105.6	99.7	99.5
70°	103.0	106.5	104.5	103.3	101.6	100.3	95.8	88.4	83.3	81.8	83.5
72.5°	88.6	93.5	92.4	91.8	89.7	86.5	80.4	73.2	67.2	63.4	64.2
75°	66.8	70.8	71.3	71.5	69.3	66.2	60.0	53.9	48.6	44.7	45.6
77.5°	38.4	40.7	41.3	41.8	40.1	39.0	34.8	30.5	27.6	23.5	24.6
80°	21.4	22.3	22.3	22.5	21.6	20.3	17.4	15.0	13.6	11.7	11.9
82.5°	12.9	13.2	13.4	13.6	13.1	11.7	9.7	7.9	7.2	6.2	6.1
85°	6.2	6.6	6.6	6.8	5.9	5.1	4.0	3.0	2.6	1.9	2.1
87.5°	1.5	1.7	1.7	1.5	1.3	0.9	0.6	0.2	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)