

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: P629622

Luminaire Tested: GWS-SA1C-722-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629622
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-722-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2867.5 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

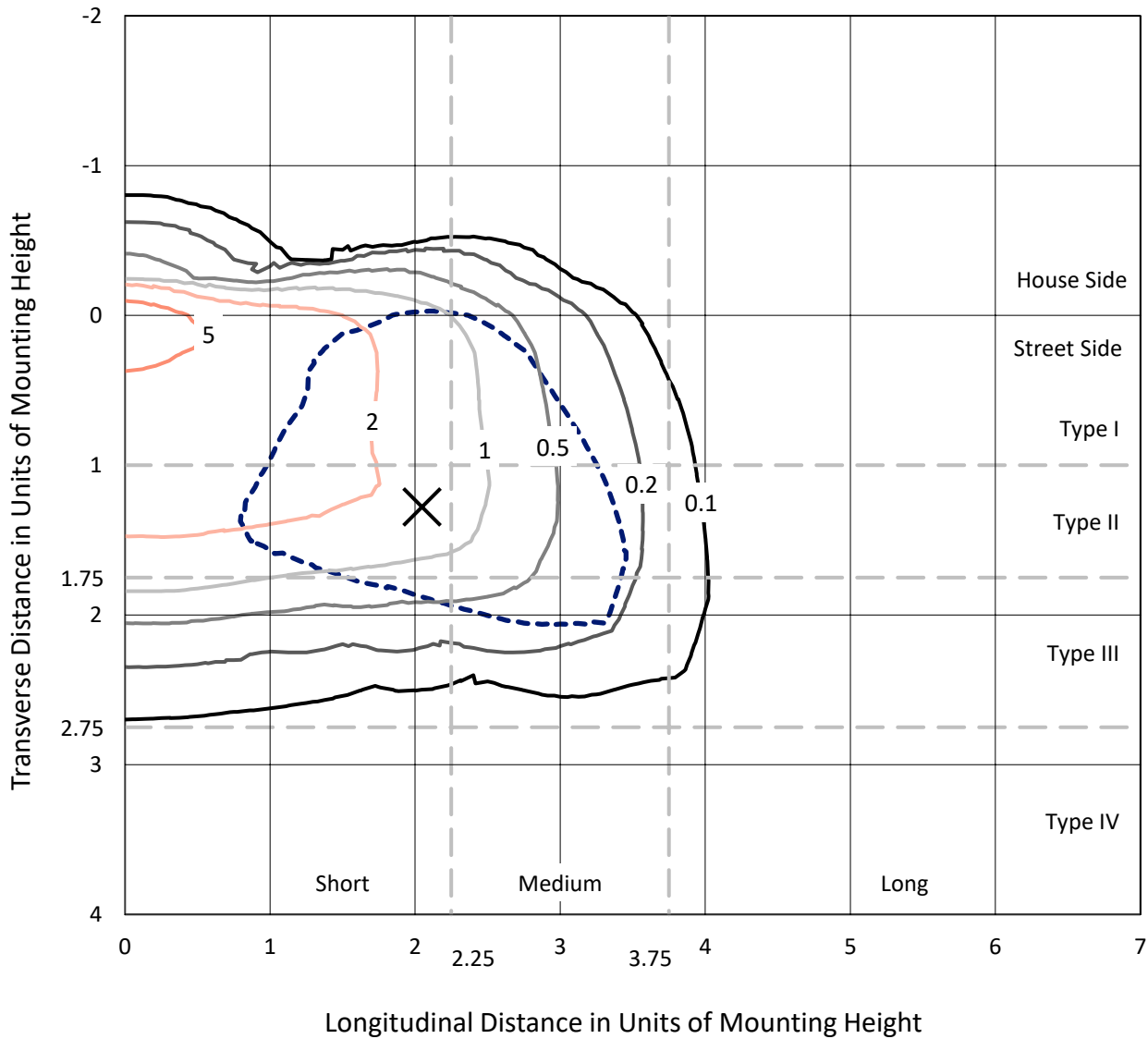
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

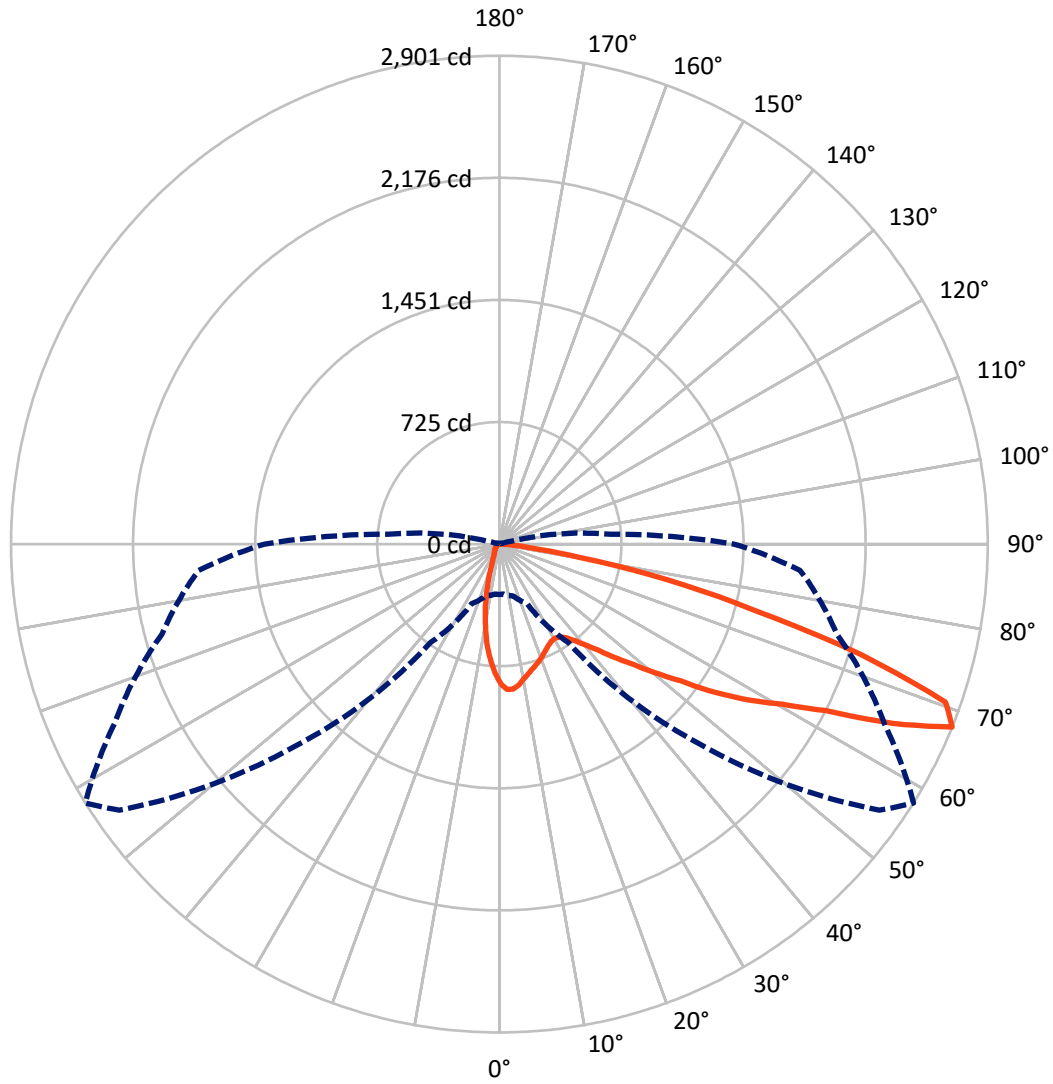
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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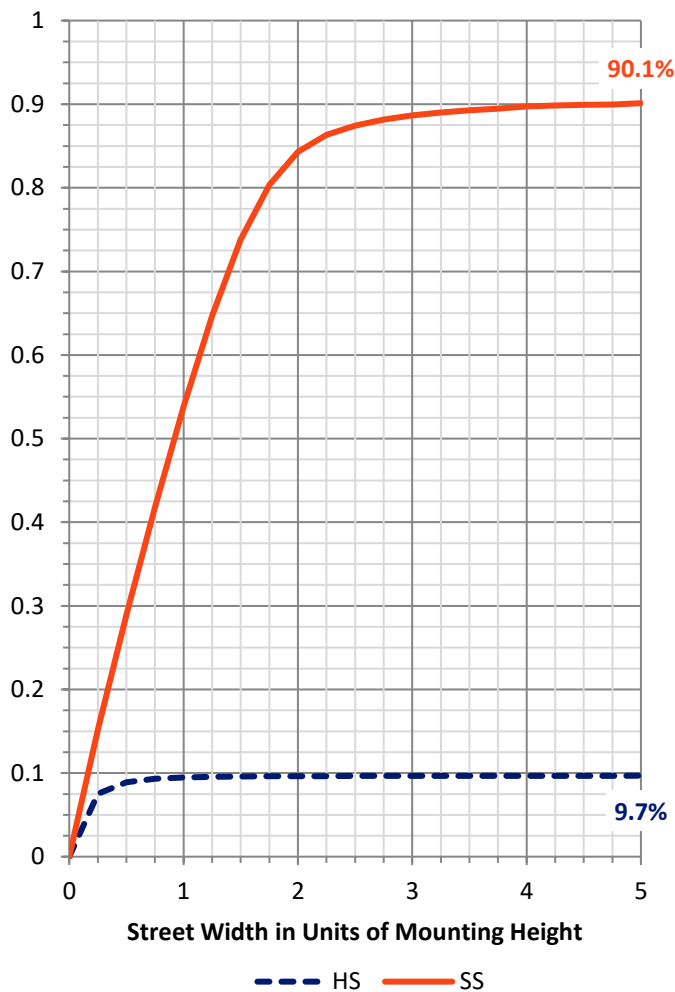
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	280.1	0.0	280.1
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	2587.4	0.0	2587.4
	% Fixture	90.2	0.0	90.2
Total	Lumens	2867.5	0.0	2867.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.2	2.3
10°-20°	139.9	4.9
20°-30°	188.7	6.6
30°-40°	265.1	9.2
40°-50°	409.5	14.3
50°-60°	654.8	22.8
60°-70°	775.3	27.0
70°-80°	343.0	12.0
80°-90°	24.0	0.8
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°	2867.5	100.0
0°-180°	2867.5	100.0

Coefficient of Utilization



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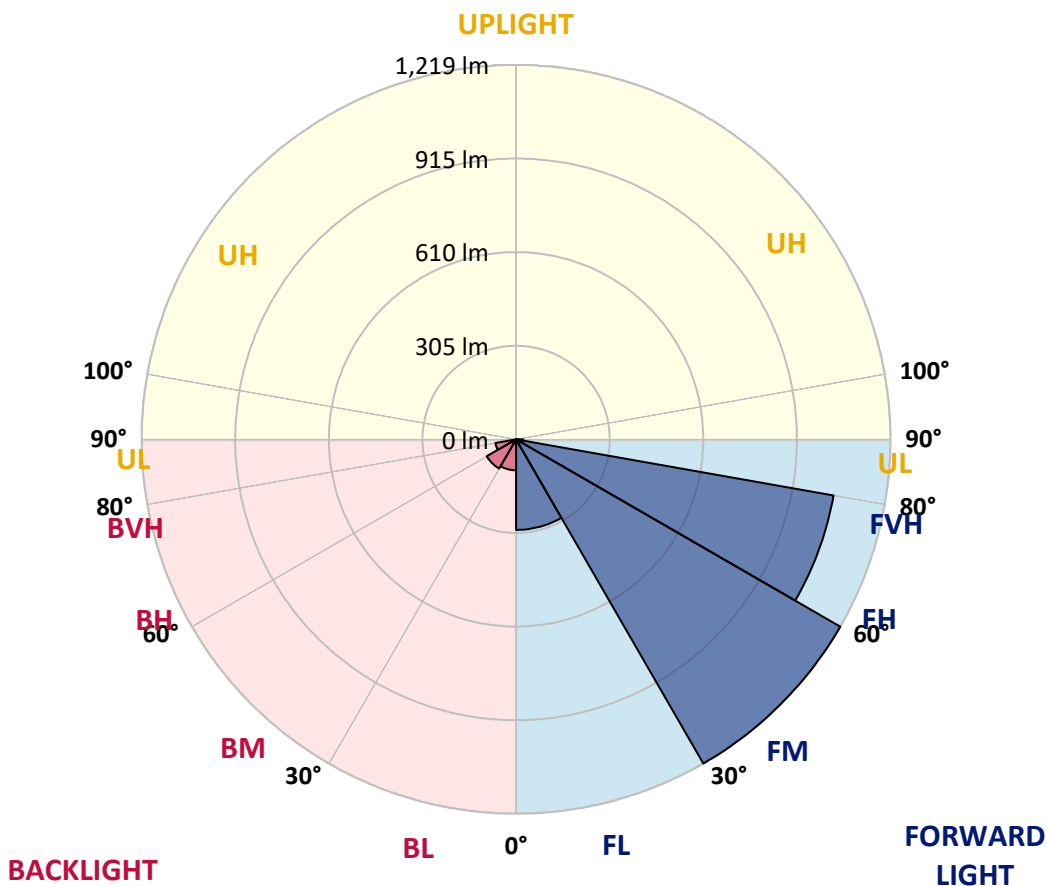
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	295.0	10.3			
FM (30°-60°)	1219.5	42.5			
FH (60°-80°)	1049.9	36.6			G1/1800
FVH (80°-90°)	23.0	0.8			G1/100
BL (0°-30°)	100.8	3.5	B0/110		
BM (30°-60°)	109.9	3.8	B0/220		
BH (60°-80°)	68.4	2.4	B0/110		G0/110
BVH (80°-90°)	1.0	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1
2.5°	870.0	871.5	873.6	876.1	875.6	873.3	870.5	864.2	860.1	847.4	831.9
5°	842.1	841.8	846.9	851.7	860.4	864.9	871.3	865.4	863.4	848.2	823.1
7.5°	787.5	790.3	796.2	803.8	816.2	829.7	844.9	843.1	849.2	839.1	807.8
10°	734.0	732.5	741.6	753.0	772.0	789.3	811.4	811.1	827.1	826.1	790.6
12.5°	687.0	686.8	693.9	706.8	729.2	753.3	783.2	784.0	803.8	811.9	775.9
15°	647.4	647.9	654.8	668.2	691.3	720.8	755.6	761.9	784.2	800.7	761.4
17.5°	619.3	619.5	623.6	635.3	657.8	689.3	731.2	739.8	768.5	792.4	749.7
20°	606.3	605.3	606.1	611.9	629.4	658.1	706.3	717.5	754.0	786.5	739.1
22.5°	608.1	606.6	603.0	602.3	610.1	632.0	679.9	693.6	738.3	783.0	729.4
25°	623.8	620.5	615.5	607.8	604.8	615.7	656.8	671.0	723.6	783.2	722.0
27.5°	647.9	644.4	638.0	627.9	616.0	611.4	641.1	654.5	713.2	789.1	718.5
30°	678.7	675.9	669.8	657.6	641.6	622.8	637.8	649.0	708.1	801.0	720.0
32.5°	714.9	712.9	707.8	696.7	678.4	649.7	649.0	657.6	712.2	818.2	725.9
35°	750.0	750.7	751.0	744.9	725.3	690.6	679.7	682.7	728.9	844.1	739.1
37.5°	787.8	786.0	795.1	799.5	780.7	743.6	727.1	727.4	760.9	882.4	763.9
40°	816.5	817.0	836.8	854.5	846.7	810.9	787.3	787.0	810.1	935.0	804.0
42.5°	843.4	846.7	875.9	906.3	917.2	885.5	868.5	862.1	879.1	1006.0	864.2
45°	872.0	876.9	917.7	961.1	989.8	971.0	957.6	960.1	962.1	1088.8	945.1
47.5°	905.5	908.6	959.1	1020.3	1073.8	1069.0	1069.8	1066.7	1065.7	1193.1	1052.2
50°	946.2	953.3	1011.4	1084.5	1157.6	1189.5	1200.2	1201.5	1185.0	1306.8	1163.1
52.5°	1032.4	1041.1	1090.8	1154.8	1248.9	1316.2	1359.6	1351.0	1325.6	1416.9	1284.7
55°	1134.2	1140.8	1188.8	1255.0	1360.6	1455.0	1558.1	1554.5	1492.3	1532.9	1384.7
57.5°	1143.9	1151.2	1225.6	1327.1	1504.0	1626.6	1735.0	1746.4	1655.3	1615.2	1474.0
60°	1035.5	1050.5	1152.0	1288.5	1558.8	1857.3	1928.9	1931.1	1774.8	1698.7	1583.2
62.5°	829.9	837.0	939.3	1117.5	1474.3	1991.8	2225.0	2176.8	1928.3	1827.8	1756.0
65°	435.0	463.9	553.0	750.2	1195.6	1944.8	2581.4	2568.2	2204.5	2012.9	1890.5
67.5°	298.5	298.2	319.3	391.1	712.9	1674.5	2756.2	2901.4	2523.7	2076.3	1793.1
70°	227.1	227.9	246.7	293.4	369.3	1114.7	2564.4	2812.6	2583.1	1885.2	1450.2
72.5°	150.8	152.3	183.5	237.0	294.9	546.4	1992.8	2250.4	2173.5	1514.1	1020.8
75°	90.1	91.4	113.7	172.3	262.2	305.8	1266.2	1555.8	1496.1	1043.6	547.2
77.5°	37.1	38.1	58.4	107.4	191.9	237.6	700.2	1018.0	896.2	415.0	149.5
80°	15.5	16.0	28.2	75.1	138.3	149.0	324.4	478.4	367.2	89.3	45.7
82.5°	5.6	5.8	10.4	41.4	86.0	112.2	163.7	189.1	103.5	29.2	24.6
85°	0.3	0.3	2.5	14.0	32.7	31.7	93.7	90.6	34.3	12.2	14.7
87.5°	0.0	0.0	0.3	0.3	0.5	1.3	8.9	15.7	7.4	3.0	6.3
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°	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1
2.5°	821.8	808.3	793.6	779.9	758.1	745.1	729.2	722.0	711.9	709.4	710.9
5°	805.0	781.9	746.7	714.7	673.3	640.1	606.6	592.4	574.1	561.9	556.8
7.5°	781.4	751.2	696.2	638.0	581.2	520.5	474.3	443.9	416.2	401.0	398.0
10°	757.6	718.2	639.3	556.1	468.0	395.4	333.0	286.8	249.2	232.2	219.0
12.5°	733.0	684.0	581.4	472.8	370.5	271.6	194.4	149.5	122.6	111.9	113.7
15°	710.4	651.0	524.1	389.6	260.9	164.0	107.4	90.6	84.3	82.2	82.0
17.5°	688.8	619.8	467.0	308.6	172.1	100.5	82.2	78.2	76.4	75.4	75.4
20°	669.3	589.8	411.1	232.5	111.2	79.7	74.4	72.3	70.8	70.0	70.0
22.5°	651.0	560.9	356.6	164.5	82.0	71.6	68.3	66.2	64.5	63.4	63.4
25°	634.5	534.7	304.6	113.2	70.6	65.5	61.9	59.6	56.6	54.8	54.8
27.5°	622.6	511.4	254.6	82.5	63.7	58.9	54.8	51.8	48.5	46.4	45.9
30°	615.5	491.6	204.1	67.8	57.4	52.5	48.0	44.2	40.4	38.3	38.1
32.5°	611.4	473.3	157.9	59.1	52.0	46.4	41.4	37.3	33.5	31.2	31.0
35°	612.9	459.1	118.3	53.3	47.0	41.1	35.5	31.5	28.2	26.1	25.6
37.5°	626.1	452.8	88.8	48.7	42.6	36.5	30.7	26.9	23.9	22.3	22.1
40°	651.7	454.0	69.8	45.2	39.1	32.0	26.4	22.8	20.6	19.3	19.0
42.5°	691.6	464.7	57.6	42.1	35.3	27.9	22.8	20.0	17.8	16.5	16.2
45°	751.0	486.8	50.3	38.6	31.2	24.1	19.8	17.3	15.2	13.7	13.5
47.5°	837.0	525.1	45.4	35.3	27.7	20.8	17.0	14.5	12.7	11.4	11.2
50°	928.6	571.0	41.4	32.0	24.6	18.0	14.5	11.9	10.4	9.1	8.9
52.5°	1026.4	620.5	38.3	28.9	21.8	15.5	12.2	9.9	8.4	7.1	6.9
55°	1120.3	670.3	34.8	26.9	18.5	13.2	10.2	8.1	6.6	5.6	5.6
57.5°	1211.6	716.0	31.0	23.6	15.2	11.2	8.4	6.6	5.3	4.6	4.3
60°	1320.8	779.2	26.6	20.0	12.7	9.4	6.9	5.3	4.3	3.6	3.6
62.5°	1482.9	844.9	22.8	16.8	10.7	7.9	5.6	4.3	3.6	3.0	2.8
65°	1536.0	809.4	19.3	13.7	8.6	6.3	4.6	3.8	3.0	2.8	2.5
67.5°	1394.4	663.4	16.0	11.2	7.1	5.3	4.1	3.3	2.8	2.5	2.3
70°	1088.0	470.8	12.4	8.4	5.8	4.3	3.6	3.0	2.5	2.3	2.3
72.5°	740.1	278.4	9.9	6.3	4.8	3.8	3.0	2.8	2.5	2.3	2.0
75°	364.5	99.0	7.6	4.8	3.8	3.3	2.8	2.5	2.3	2.0	2.0
77.5°	98.2	27.4	5.8	3.8	3.0	2.5	2.5	2.5	2.3	1.8	1.8
80°	33.2	11.4	4.3	2.8	2.5	2.0	1.8	2.3	2.0	1.8	1.5
82.5°	18.3	5.6	3.0	2.3	1.8	1.5	1.5	1.5	1.5	1.3	1.3
85°	11.7	3.0	2.0	1.8	1.8	1.3	1.0	1.0	0.8	0.8	0.8
87.5°	5.3	1.8	1.8	1.5	1.5	1.3	0.8	0.5	0.3	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)