

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: P629623

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629623
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
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
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3469 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

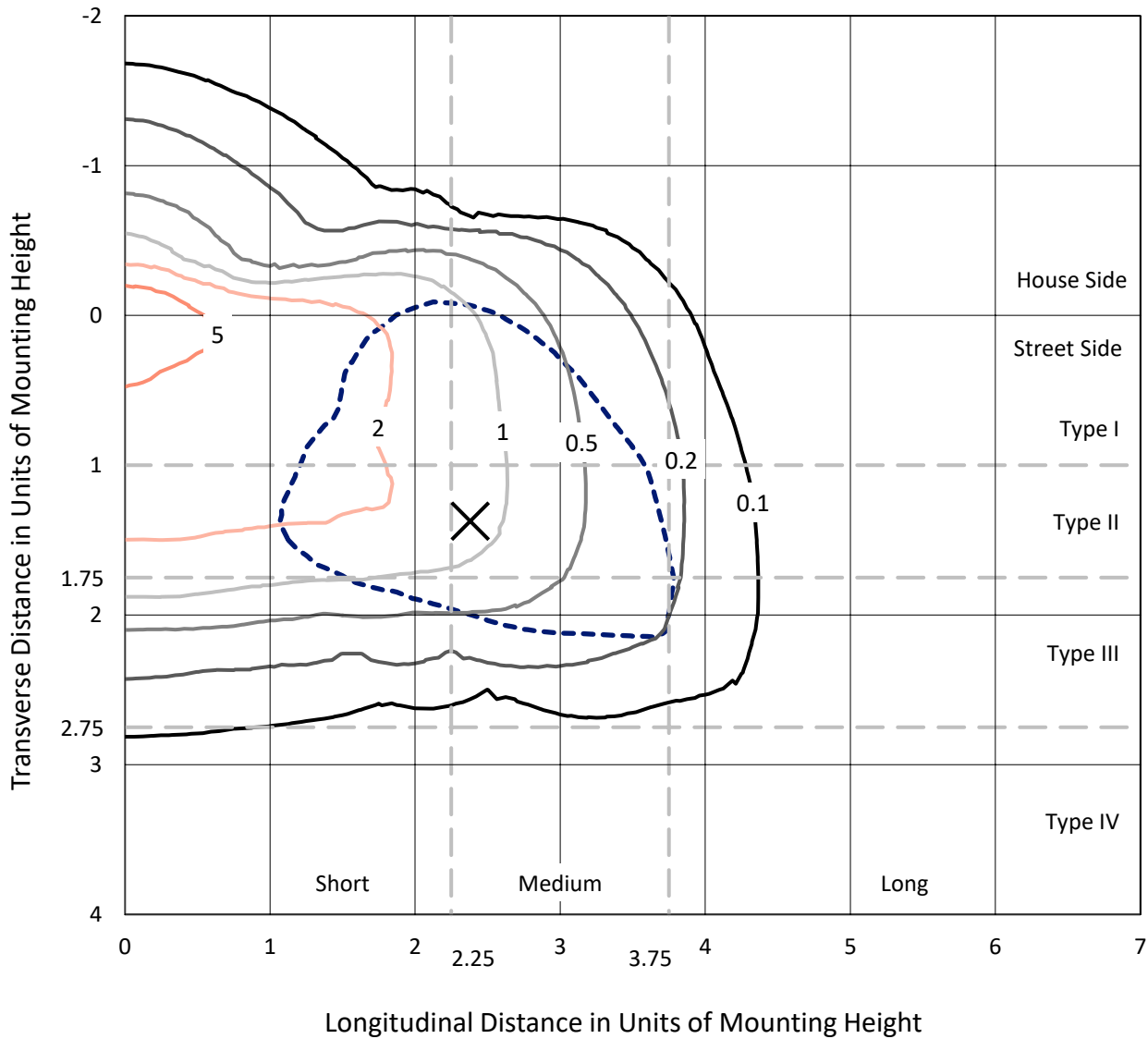
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

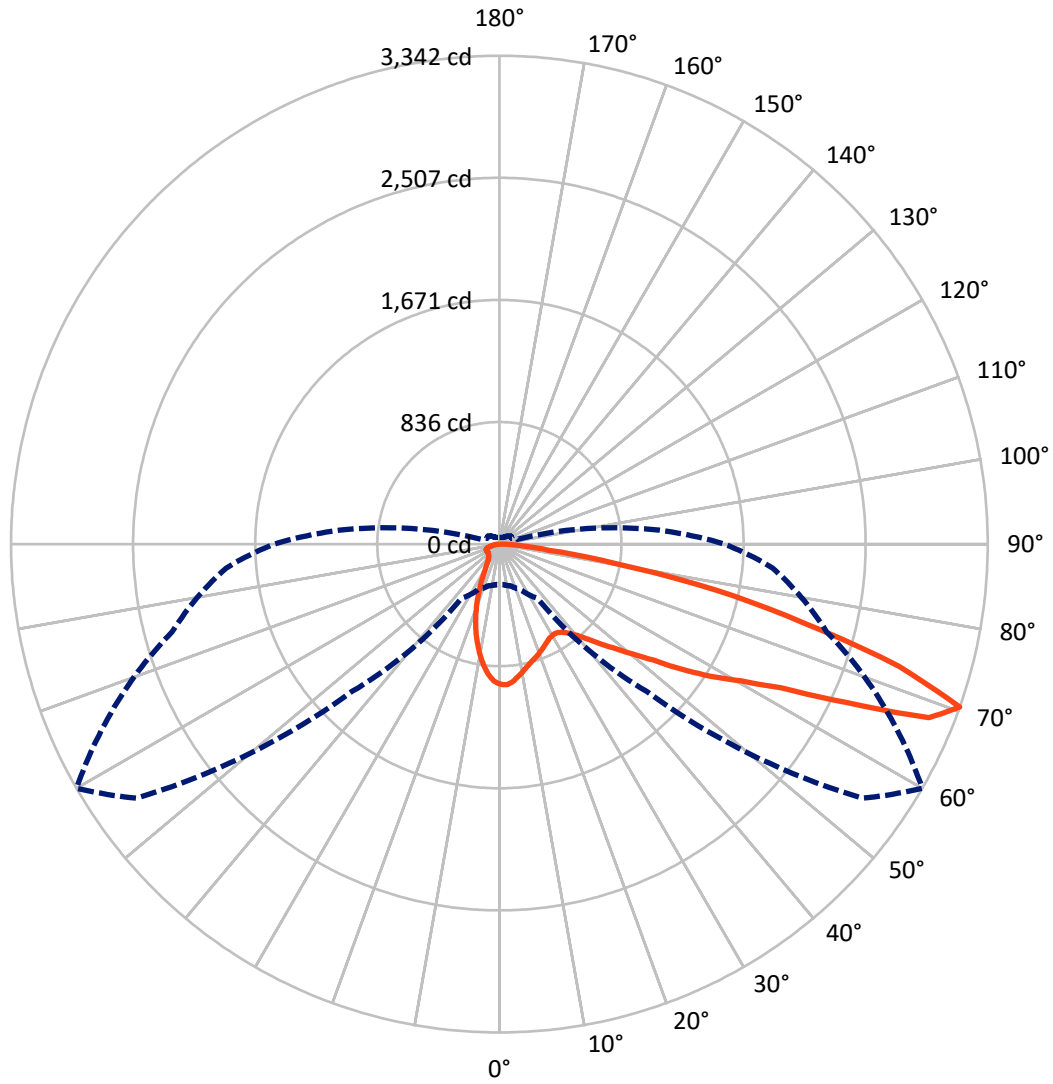
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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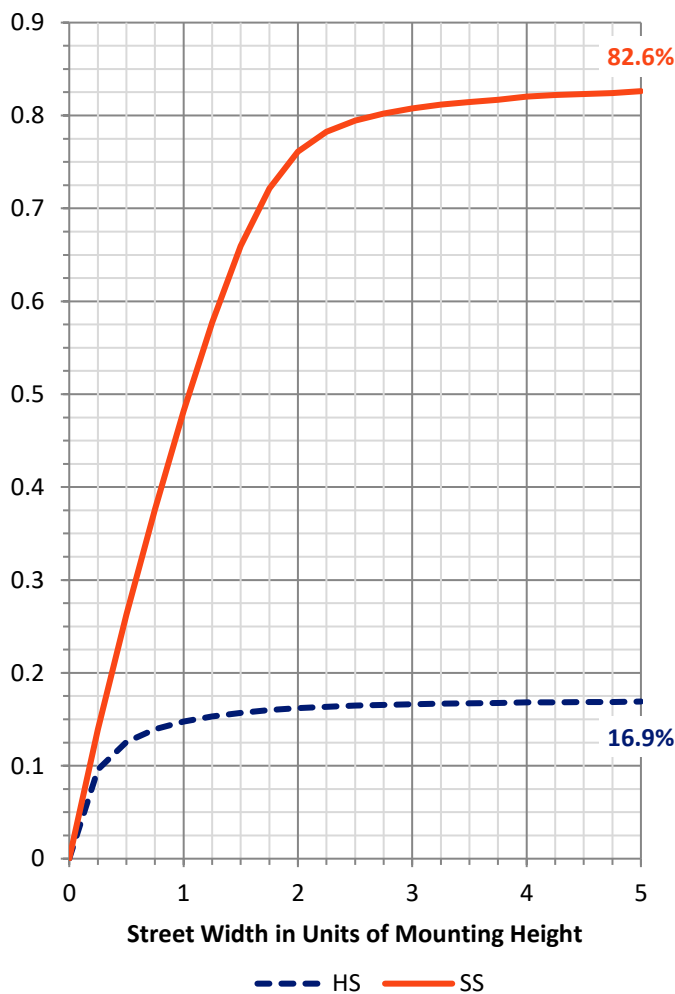
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	593.3	0.0	593.3
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	2875.7	0.0	2875.7
	% Fixture	82.9	0.0	82.9
Total	Lumens	3469.0	0.0	3469.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.7	2.4
10°-20°	185.4	5.3
20°-30°	237.4	6.8
30°-40°	312.0	9.0
40°-50°	452.6	13.0
50°-60°	706.2	20.4
60°-70°	924.6	26.7
70°-80°	511.3	14.7
80°-90°	56.7	1.6
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°	3469.0	100.0
0°-180°	3469.0	100.0

Coefficient of Utilization



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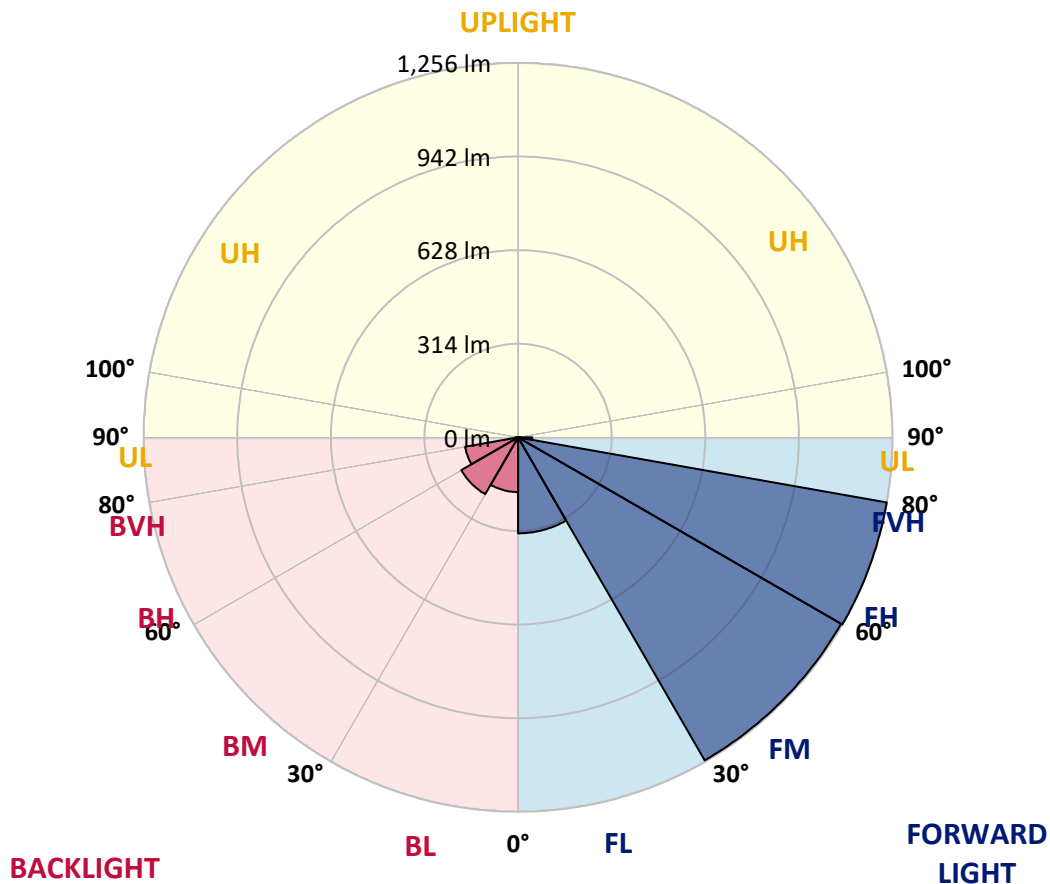
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	321.9	9.3			
FM (30°-60°)	1250.9	36.1			
FH (60°-80°)	1255.6	36.2			G1/1800
FVH (80°-90°)	47.3	1.4			G1/100
BL (0°-30°)	183.6	5.3	B1/500		
BM (30°-60°)	220.0	6.3	B0/220		
BH (60°-80°)	180.3	5.2	B1/500		G1/500
BVH (80°-90°)	9.5	0.3			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	959.9	959.9	959.9	959.9	959.9	959.9	959.9	959.9	959.9	959.9	959.9
2.5°	946.5	947.5	950.3	954.3	958.4	960.4	965.5	964.0	963.0	960.9	958.4
5°	904.6	906.6	909.2	917.0	925.9	933.0	944.4	945.7	946.2	947.2	943.2
7.5°	851.3	851.8	857.9	868.3	880.0	892.1	911.2	916.5	921.1	926.2	922.9
10°	792.4	793.7	798.2	813.2	833.3	851.3	876.9	885.8	895.4	906.6	902.0
12.5°	744.2	744.4	751.8	767.8	789.6	814.0	846.0	856.6	869.3	886.8	882.8
15°	705.9	705.9	712.7	726.4	751.5	780.2	818.3	832.0	849.3	872.9	865.8
17.5°	675.4	675.6	680.0	694.4	716.8	748.5	793.7	812.2	831.2	862.5	851.8
20°	659.4	658.1	658.9	667.8	686.8	717.5	769.1	790.6	816.3	855.3	839.1
22.5°	658.6	656.4	653.1	653.8	665.0	690.4	742.7	768.8	801.0	849.5	826.2
25°	671.6	669.0	663.2	656.6	655.6	670.8	717.8	747.5	785.3	847.0	813.7
27.5°	693.4	691.6	684.0	674.1	663.7	663.2	699.0	730.0	773.9	849.5	804.8
30°	722.3	719.3	714.5	701.8	686.1	669.8	691.6	720.6	766.3	857.6	801.0
32.5°	755.1	753.3	748.7	736.1	719.3	693.4	697.5	722.6	766.3	871.8	801.8
35°	789.9	789.6	789.6	781.2	762.7	730.5	720.6	739.9	777.9	894.7	809.9
37.5°	823.6	823.4	831.5	834.5	813.5	778.7	759.9	774.4	803.6	928.4	830.0
40°	851.0	852.0	869.8	885.0	873.4	841.1	814.7	822.1	845.2	976.4	865.0
42.5°	878.7	881.5	908.1	935.0	939.6	911.7	885.0	889.4	904.8	1039.9	917.3
45°	908.9	910.2	947.5	985.0	1007.1	990.6	968.8	974.6	978.2	1118.3	995.2
47.5°	938.1	941.4	989.6	1041.1	1083.0	1081.5	1069.3	1067.5	1068.3	1213.7	1087.3
50°	977.9	982.8	1039.4	1101.5	1163.0	1191.1	1194.7	1181.2	1175.7	1319.8	1202.1
52.5°	1053.6	1053.6	1104.3	1165.5	1248.0	1317.8	1341.7	1319.6	1301.8	1432.0	1323.9
55°	1148.2	1152.3	1192.7	1242.2	1346.7	1451.0	1531.8	1507.4	1457.1	1554.1	1451.6
57.5°	1190.4	1195.5	1259.4	1336.3	1475.9	1602.6	1714.5	1705.9	1632.5	1681.0	1584.0
60°	1114.2	1124.9	1213.0	1341.9	1592.9	1847.0	1925.9	1900.8	1796.0	1814.2	1727.7
62.5°	929.5	941.1	1038.9	1218.8	1576.7	2111.2	2259.2	2166.5	2000.0	1982.5	1919.1
65°	554.6	554.1	671.6	910.2	1376.4	2184.6	2786.6	2613.8	2315.3	2213.5	2116.0
67.5°	352.5	351.8	376.4	482.2	916.0	2004.9	3125.7	3170.6	2743.5	2383.3	2132.3
70°	278.2	277.9	295.7	343.9	453.1	1426.7	3031.3	3342.2	3002.1	2318.6	1877.4
72.5°	202.8	203.3	230.7	288.1	349.5	716.3	2454.6	2859.7	2761.2	2046.7	1524.1
75°	145.7	146.4	162.9	220.6	322.3	391.6	1632.3	2150.3	2100.8	1640.6	1048.5
77.5°	92.6	93.7	108.1	154.6	260.4	316.2	989.6	1518.0	1397.7	924.4	372.8
80°	56.6	59.9	72.1	115.2	208.1	237.3	494.7	799.8	700.0	253.6	125.4
82.5°	29.2	31.7	43.4	71.3	143.4	208.4	280.0	336.0	216.8	106.1	66.8
85°	9.1	10.7	15.2	28.9	68.3	129.2	185.3	167.0	99.5	50.0	31.0
87.5°	2.3	2.3	2.5	2.5	2.8	5.8	35.8	37.8	26.4	15.7	12.7
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°	959.9	959.9	959.9	959.9	959.9	959.9	959.9	959.9	959.9	959.9	959.9
2.5°	953.3	947.2	944.7	944.4	938.1	929.0	922.9	918.5	916.0	915.5	915.5
5°	936.3	928.4	918.0	910.2	893.2	875.9	861.4	853.3	843.9	842.7	842.4
7.5°	913.7	902.3	882.5	860.4	830.7	802.0	777.7	761.2	744.7	741.6	740.6
10°	889.4	873.9	840.1	801.3	756.9	714.0	676.7	647.5	628.2	614.5	611.9
12.5°	865.2	844.7	795.2	737.3	676.4	617.8	561.7	514.0	479.5	459.4	455.8
15°	842.7	814.0	746.2	672.3	593.2	513.0	433.5	371.6	323.1	305.8	301.8
17.5°	822.1	786.3	698.7	605.1	506.4	401.5	311.2	256.1	227.7	219.0	217.0
20°	801.5	757.9	650.5	534.3	414.2	296.7	227.4	201.5	190.9	187.6	186.6
22.5°	779.5	726.7	598.0	464.5	321.1	222.1	186.0	174.6	171.3	171.6	171.3
25°	757.4	694.9	542.9	388.6	239.1	180.2	162.4	158.1	158.9	161.2	161.7
27.5°	739.1	666.8	488.8	305.3	186.8	155.1	146.7	146.4	149.2	152.3	152.8
30°	725.9	641.6	435.5	234.8	153.8	137.8	134.5	136.0	139.3	141.6	142.4
32.5°	716.5	620.1	378.7	184.5	134.8	125.6	124.1	125.6	127.7	130.0	130.5
35°	713.2	604.3	322.8	150.5	121.8	116.8	115.7	116.5	117.5	118.8	119.3
37.5°	720.6	596.5	264.5	131.0	114.0	110.9	109.4	108.9	109.1	109.6	109.9
40°	742.4	600.0	216.8	119.5	108.9	106.1	103.6	102.5	102.3	102.8	102.5
42.5°	780.0	615.0	182.2	112.9	104.8	100.8	98.0	97.0	97.0	98.2	98.2
45°	835.0	644.4	157.4	108.1	101.3	96.2	93.1	92.6	93.7	95.7	95.9
47.5°	915.8	687.6	142.4	104.6	98.0	92.1	89.1	88.8	90.9	94.2	94.4
50°	1011.4	749.8	134.3	102.0	95.7	88.8	85.8	86.0	88.3	91.9	92.6
52.5°	1126.7	834.5	134.8	101.0	94.4	86.8	83.8	83.3	85.5	89.1	89.8
55°	1245.7	937.6	144.7	101.3	92.6	85.8	81.7	80.0	82.0	84.5	84.8
57.5°	1376.7	1053.8	169.3	100.8	90.4	84.8	80.0	75.9	77.2	78.7	79.4
60°	1524.4	1190.6	222.3	101.8	89.3	82.5	76.4	71.1	70.8	71.8	72.1
62.5°	1721.9	1376.7	282.0	103.6	91.6	79.7	71.1	65.5	64.5	65.0	65.2
65°	1872.9	1465.5	263.2	102.0	96.4	77.7	66.0	60.2	58.1	57.6	57.6
67.5°	1811.5	1348.0	183.3	98.0	98.7	77.9	61.9	54.6	52.0	50.8	50.5
70°	1541.4	1094.9	127.4	93.9	96.2	77.4	57.6	50.0	46.7	44.9	44.7
72.5°	1217.8	836.1	103.0	85.8	87.3	69.8	51.3	44.9	42.1	39.8	39.8
75°	783.8	510.2	86.0	76.4	71.3	54.3	44.4	40.1	37.3	35.0	35.0
77.5°	263.7	189.3	66.8	64.7	53.3	40.9	37.3	34.5	32.2	30.2	29.9
80°	107.1	89.8	49.0	49.0	37.3	31.2	29.2	27.9	26.4	23.9	23.9
82.5°	62.2	54.6	34.3	29.7	24.9	21.6	20.3	19.0	19.0	17.3	17.3
85°	29.9	30.2	20.6	18.3	14.2	12.4	11.9	11.2	10.9	9.9	9.6
87.5°	16.2	16.5	10.4	8.1	5.6	4.8	4.1	3.8	3.6	3.3	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

(END OF REPORT)