

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: P629784

Luminaire Tested: GWS-SA1C-735-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629784
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-735-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4658.6 lumens
Efficiency: N/A
Efficacy: 136.6 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

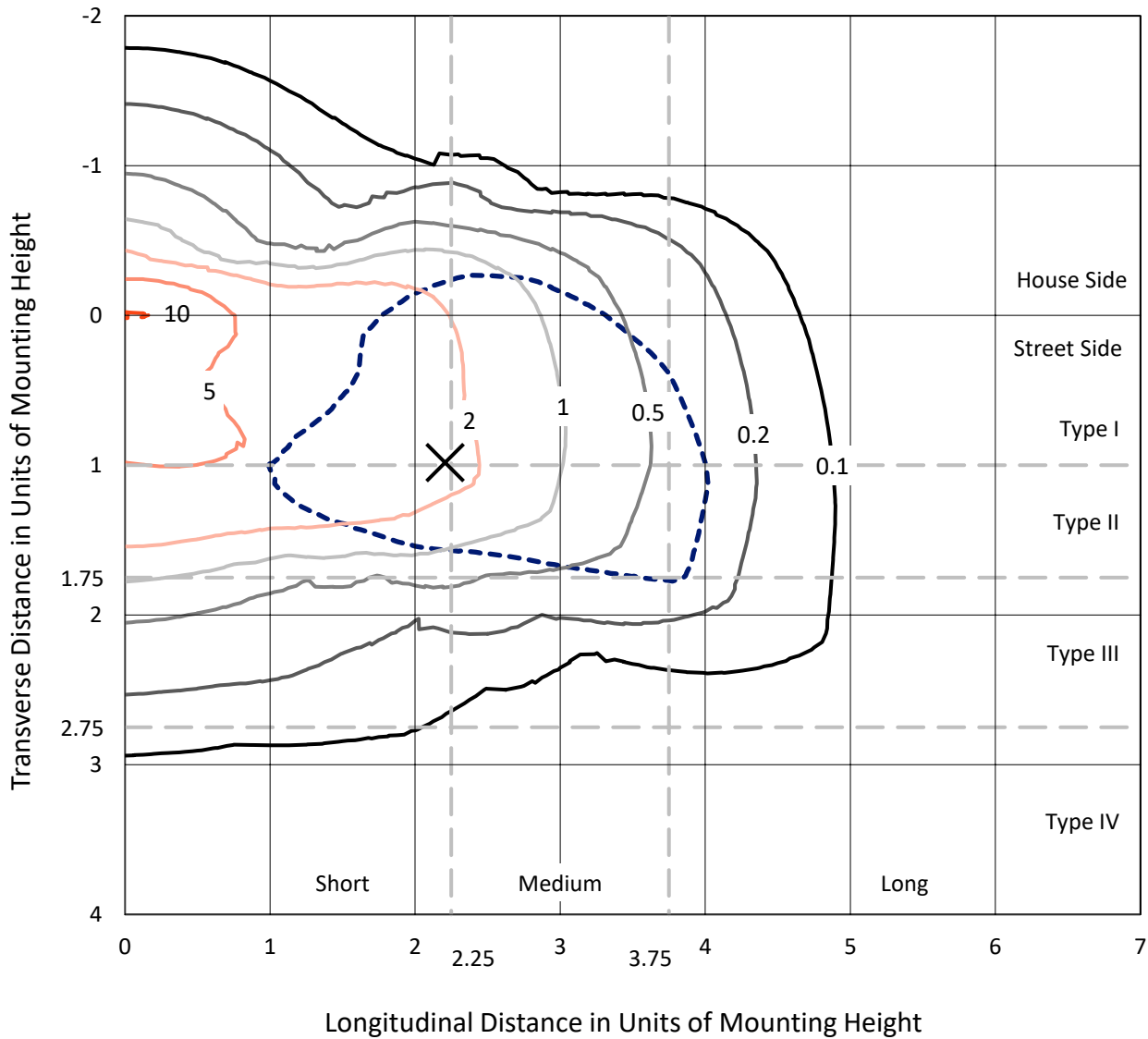


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Iso-Footcandle Lines of Horizontal Illumination

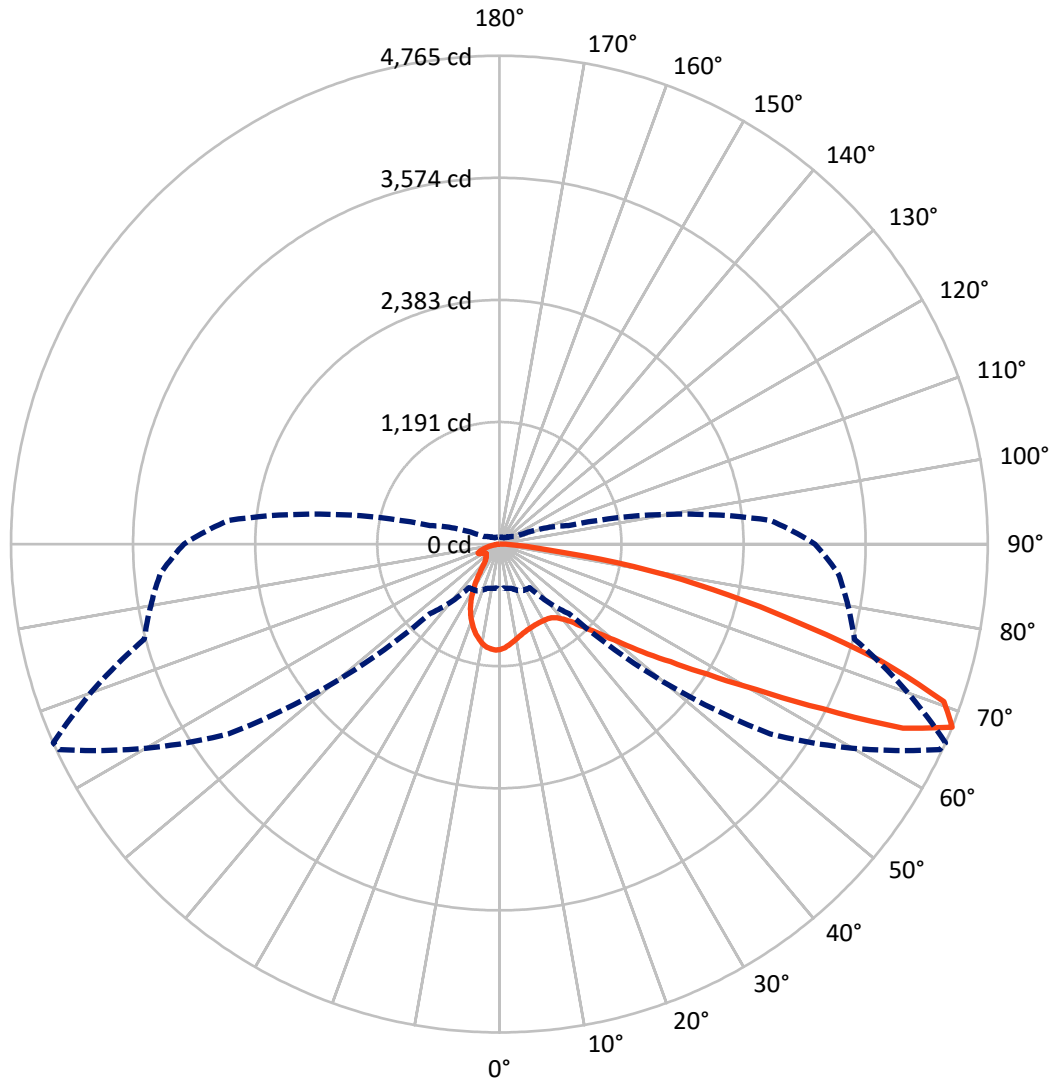
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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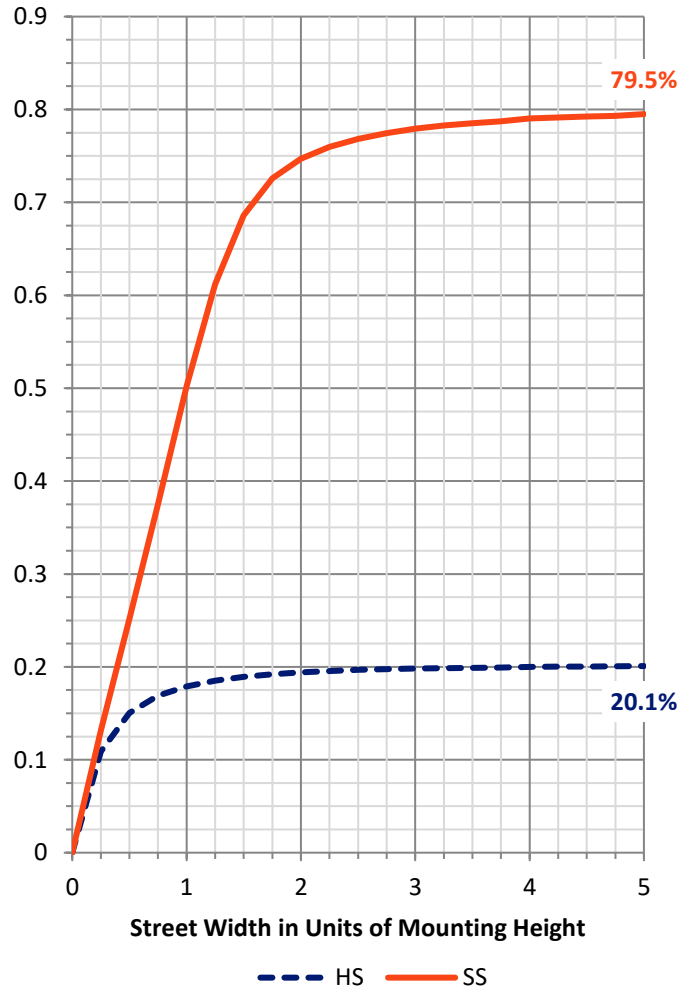
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	945.3	0.0	945.3
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	3713.3	0.0	3713.3
	% Fixture	79.7	0.0	79.7
Total	Lumens	4658.6	0.0	4658.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.3	1.9
10°-20°	222.0	4.8
20°-30°	305.2	6.6
30°-40°	417.2	9.0
40°-50°	632.2	13.6
50°-60°	982.8	21.1
60°-70°	1196.6	25.7
70°-80°	728.9	15.6
80°-90°	83.3	1.8
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°	4658.6	100.0
0°-180°	4658.6	100.0

Coefficient of Utilization



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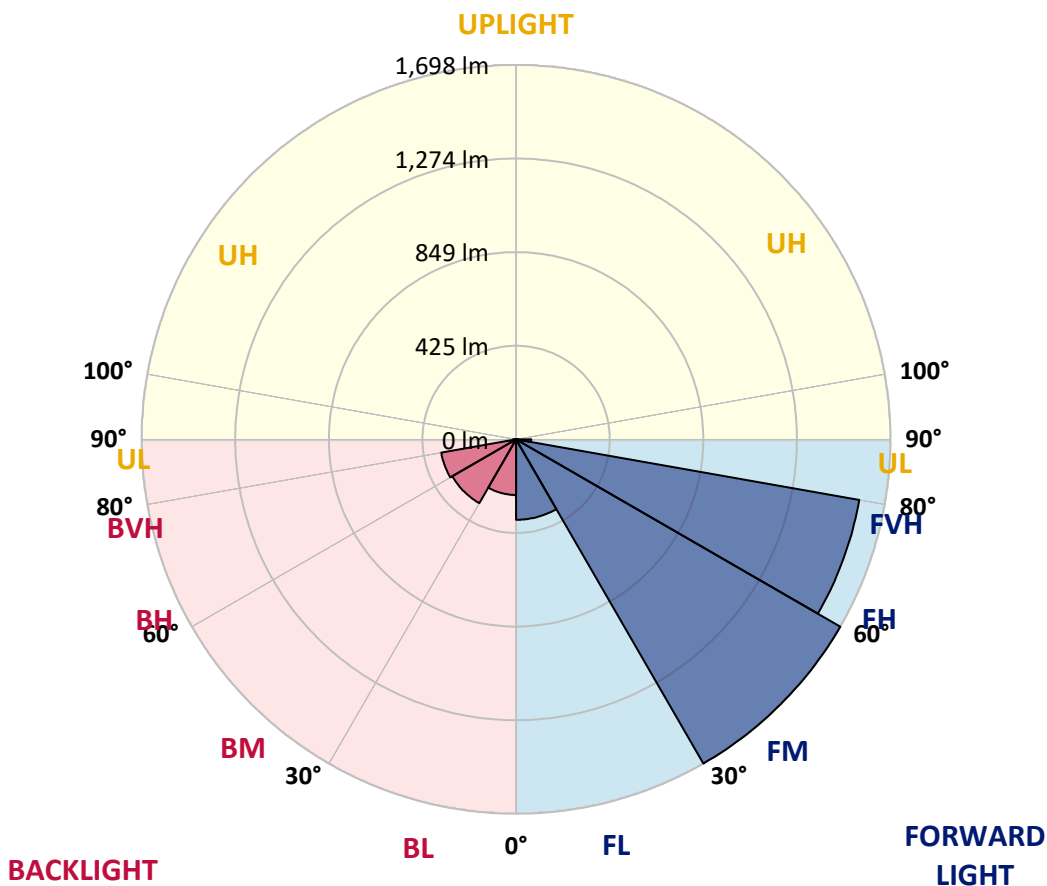
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	365.0	7.8			
FM (30°-60°)	1698.2	36.5			
FH (60°-80°)	1580.8	33.9			G1/1800
FVH (80°-90°)	69.2	1.5			G1/100
BL (0°-30°)	252.5	5.4	B1/500		
BM (30°-60°)	334.1	7.2	B1/1000		
BH (60°-80°)	344.7	7.4	B1/500		G1/500
BVH (80°-90°)	14.0	0.3			G1/100
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°	66°	75°	85°
0°	1029.4	1029.4	1029.4	1029.4	1029.4	1029.4	1029.4	1029.4	1029.4	1029.4	1029.4
2.5°	964.2	967.6	965.5	978.4	979.1	995.4	1004.6	1012.4	1013.1	1023.3	1030.1
5°	898.2	900.3	900.3	912.5	920.7	942.4	963.5	985.9	987.6	1012.1	1030.8
7.5°	844.9	846.9	845.6	861.9	872.4	896.5	923.4	957.7	961.1	1000.5	1033.2
10°	803.1	802.4	805.8	820.7	834.3	863.2	893.1	932.2	937.3	987.3	1035.9
12.5°	774.5	775.2	777.2	792.9	807.5	836.0	867.0	909.4	914.9	972.0	1034.5
15°	760.9	759.6	761.3	775.5	789.5	814.6	846.6	890.4	895.9	958.4	1034.9
17.5°	757.9	756.9	756.5	766.7	777.2	800.7	831.3	875.8	881.6	949.6	1036.9
20°	767.4	766.0	762.3	766.7	771.1	790.8	820.4	865.3	871.7	943.8	1041.0
22.5°	793.6	791.2	785.4	780.0	774.2	786.1	813.6	857.5	863.9	940.0	1045.1
25°	833.3	831.3	825.2	812.9	791.9	789.8	812.3	854.1	860.5	937.3	1046.8
27.5°	888.0	885.0	878.9	861.2	826.9	803.8	817.3	853.7	859.8	934.3	1045.1
30°	953.0	950.9	947.5	926.1	880.2	833.3	828.9	856.4	861.2	932.6	1041.7
32.5°	1018.9	1016.8	1019.6	1009.4	953.0	882.3	854.1	863.9	867.3	932.2	1038.6
35°	1077.0	1079.4	1099.1	1100.8	1045.4	948.5	893.8	881.2	881.9	939.0	1040.0
37.5°	1137.8	1147.0	1172.8	1194.9	1148.7	1036.2	953.0	913.9	913.2	956.3	1048.5
40°	1218.4	1222.5	1255.4	1296.9	1268.0	1156.5	1036.9	967.2	962.5	991.7	1071.2
42.5°	1296.9	1306.7	1359.4	1407.0	1397.5	1292.1	1142.6	1047.1	1038.6	1054.2	1118.1
45°	1396.8	1406.3	1465.5	1526.6	1544.0	1445.4	1277.9	1160.6	1152.1	1148.4	1204.1
47.5°	1496.7	1506.6	1559.6	1648.0	1708.8	1637.1	1453.9	1310.5	1296.5	1281.9	1333.9
50°	1564.0	1575.6	1626.2	1732.2	1875.0	1876.3	1662.6	1506.9	1489.2	1466.1	1516.8
52.5°	1561.6	1569.1	1617.4	1739.7	1994.6	2151.3	1941.9	1757.0	1742.8	1692.5	1736.7
55°	1438.9	1450.2	1498.8	1651.7	2007.5	2411.9	2352.5	2052.0	2026.6	1936.5	1985.1
57.5°	1192.5	1202.1	1251.0	1439.6	1893.0	2545.5	2873.8	2427.9	2392.9	2202.3	2258.3
60°	900.3	888.7	911.8	1077.0	1619.1	2548.9	3334.0	2937.7	2879.2	2486.4	2533.3
62.5°	675.6	664.1	669.2	715.7	1097.7	2343.0	3596.3	3635.1	3538.6	2807.2	2798.0
65°	533.9	527.5	542.1	574.0	639.9	1784.2	3598.4	4389.2	4328.4	3179.0	3069.6
67.5°	435.0	430.9	445.9	505.0	519.0	958.7	3226.6	4741.3	4765.1	3586.1	3321.4
70°	350.4	344.3	367.7	445.5	482.6	580.1	2311.3	4561.9	4600.3	3828.8	3250.4
72.5°	242.0	242.3	254.2	360.9	465.9	500.9	1307.4	3798.6	3881.8	3608.9	2857.5
75°	163.1	164.5	167.9	238.2	429.2	486.0	696.7	2875.8	2934.6	2982.9	2362.0
77.5°	98.6	99.2	107.1	144.1	296.0	453.7	472.1	2084.7	2130.9	1966.4	1464.1
80°	57.1	59.5	66.6	96.5	199.8	340.9	365.3	1278.2	1330.5	874.1	465.3
82.5°	25.1	26.8	36.4	56.1	116.6	289.9	285.1	505.0	497.5	243.7	161.4
85°	4.4	5.4	7.8	17.7	42.8	152.9	221.2	222.9	209.7	92.4	67.0
87.5°	0.0	0.0	0.0	0.0	0.0	1.0	33.3	59.8	59.5	26.2	23.1
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°	1029.4	1029.4	1029.4	1029.4	1029.4	1029.4	1029.4	1029.4	1029.4	1029.4	1029.4
2.5°	1034.5	1025.3	1033.5	1034.5	1032.8	1031.5	1021.3	1012.4	1011.4	1001.9	1001.9
5°	1038.3	1029.8	1033.8	1026.0	1013.8	1001.2	979.5	964.5	957.7	945.5	945.5
7.5°	1043.4	1034.5	1029.8	1010.4	981.8	954.3	919.3	890.1	878.2	860.9	860.2
10°	1048.1	1036.9	1020.6	982.9	937.3	893.5	842.5	801.0	772.8	752.1	752.1
12.5°	1047.8	1033.2	1000.9	945.1	882.3	818.7	750.7	688.2	650.8	618.5	616.5
15°	1047.1	1027.0	975.7	901.3	818.0	730.0	637.6	556.0	500.6	469.0	466.3
17.5°	1046.4	1019.2	947.5	851.3	739.9	619.9	497.9	409.5	363.3	343.9	344.6
20°	1046.4	1010.4	917.3	793.9	649.8	488.0	365.3	301.1	289.6	290.6	291.6
22.5°	1043.4	999.5	883.6	731.4	549.5	358.9	269.5	247.8	253.9	263.4	264.7
25°	1036.2	981.5	844.5	662.0	430.3	261.3	219.9	215.8	227.0	238.9	242.3
27.5°	1025.0	960.8	800.7	580.8	316.7	210.0	193.4	193.0	201.9	210.7	213.8
30°	1013.1	937.7	754.5	490.4	229.4	182.8	176.4	176.4	180.8	186.2	185.6
32.5°	999.2	914.2	704.9	396.3	186.9	167.5	165.5	164.5	165.2	167.2	167.2
35°	987.3	893.5	653.9	296.7	167.5	159.1	157.0	154.6	153.6	152.3	152.9
37.5°	982.9	877.2	601.2	223.6	158.0	152.9	149.5	146.1	143.8	143.1	142.7
40°	990.0	870.4	548.5	184.2	151.2	146.5	142.7	138.3	136.3	136.3	136.3
42.5°	1017.9	875.5	494.8	166.5	146.5	141.0	135.6	131.5	130.8	131.5	131.9
45°	1068.8	895.2	439.1	157.7	142.4	135.6	129.1	126.1	126.1	126.8	126.8
47.5°	1159.9	946.8	384.0	152.3	138.3	131.2	124.4	121.3	121.0	121.7	121.7
50°	1317.6	1040.0	334.4	148.5	135.3	127.8	121.0	116.9	115.9	115.6	115.6
52.5°	1516.4	1201.4	302.8	145.8	131.5	124.0	117.2	111.8	109.8	108.8	108.8
55°	1756.7	1416.5	302.8	143.8	126.8	119.6	111.8	106.4	103.3	102.0	102.0
57.5°	2028.9	1667.0	355.1	142.1	123.0	114.5	106.0	100.6	97.2	95.2	95.2
60°	2305.9	1931.7	484.6	139.7	119.6	108.1	99.6	94.5	90.1	87.7	87.3
62.5°	2593.1	2223.3	655.2	141.0	117.2	102.0	92.8	87.0	83.3	80.9	80.5
65°	2856.1	2501.0	804.4	151.6	117.6	96.5	85.0	79.9	76.8	73.7	73.4
67.5°	3079.4	2654.3	699.8	173.0	124.7	90.1	77.1	72.0	69.3	67.3	67.0
70°	2923.1	2420.4	396.9	186.2	134.6	83.3	68.3	64.9	62.2	60.8	60.5
72.5°	2499.6	2049.3	265.4	164.5	122.7	74.4	60.2	57.4	55.4	53.7	53.4
75°	2024.9	1625.2	202.9	134.9	95.5	60.5	51.7	49.6	47.6	45.9	45.5
77.5°	1198.0	939.0	149.5	106.7	67.3	47.2	42.8	41.1	39.1	37.7	37.4
80°	382.3	326.3	94.8	73.4	44.5	36.4	33.0	31.6	29.6	27.9	27.5
82.5°	145.8	126.1	50.3	37.4	29.6	24.8	22.1	20.7	19.4	17.7	17.3
85°	64.6	60.5	27.9	20.1	16.0	12.2	10.9	10.2	8.5	7.1	6.8
87.5°	22.8	22.8	11.9	5.8	3.4	1.7	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)