

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: P630115

Luminaire Tested: GWS-SA1D-722-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630115
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-SA1D-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: 3617.6 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

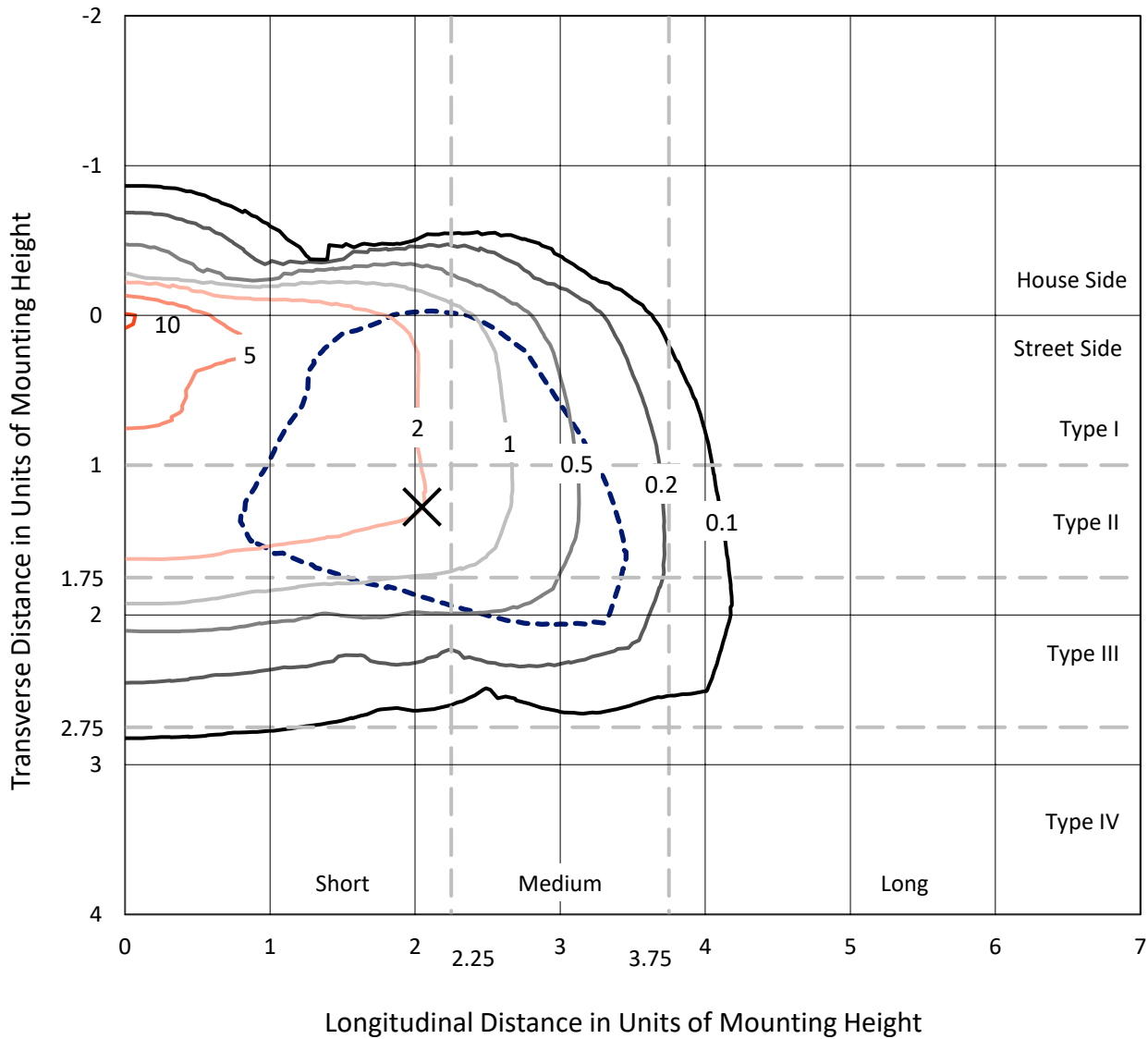
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

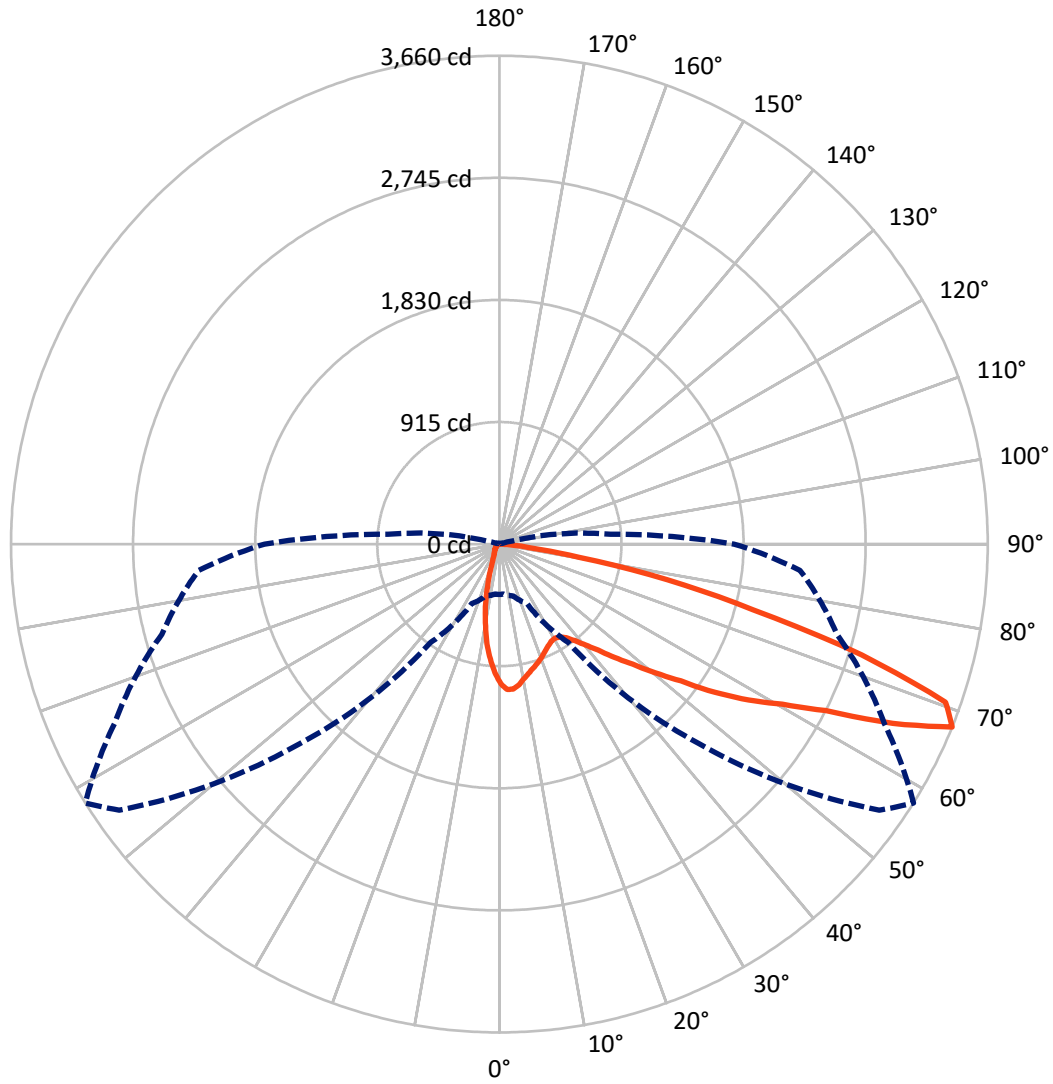
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.4 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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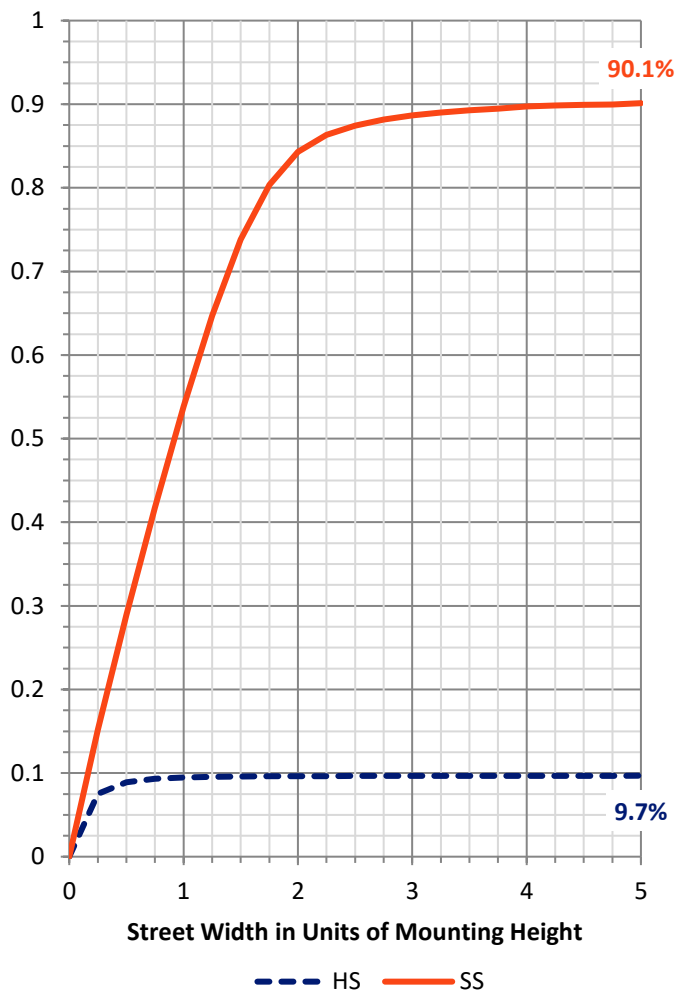
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	353.4	0.0	353.4
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	3264.2	0.0	3264.2
	% Fixture	90.2	0.0	90.2
Total	Lumens	3617.6	0.0	3617.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.8	2.3
10°-20°	176.5	4.9
20°-30°	238.0	6.6
30°-40°	334.5	9.2
40°-50°	516.6	14.3
50°-60°	826.1	22.8
60°-70°	978.1	27.0
70°-80°	432.7	12.0
80°-90°	30.2	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°	3617.6	100.0
0°-180°	3617.6	100.0

Coefficient of Utilization



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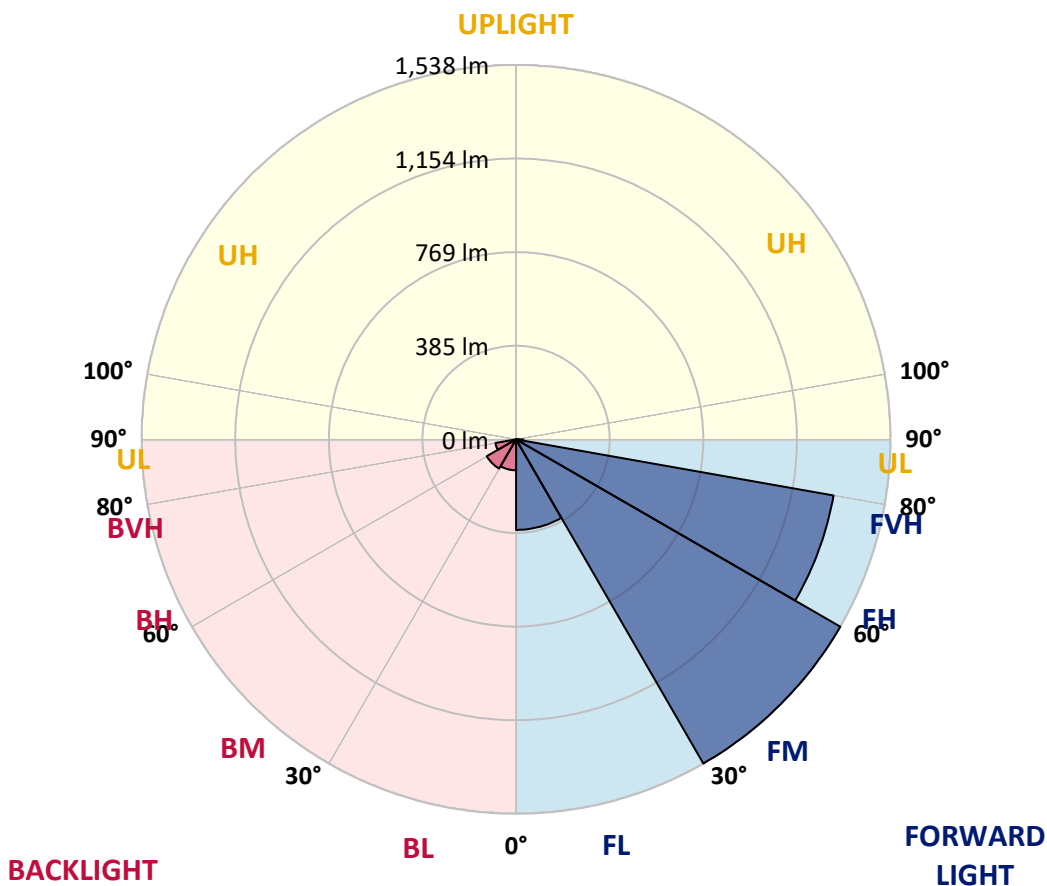
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	372.2	10.3			
FM (30°-60°)	1538.5	42.5			
FH (60°-80°)	1324.6	36.6			G1/1800
FVH (80°-90°)	29.0	0.8			G1/100
BL (0°-30°)	127.2	3.5	B1/500		
BM (30°-60°)	138.7	3.8	B0/220		
BH (60°-80°)	86.3	2.4	B0/110		G0/110
BVH (80°-90°)	1.3	0.0			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1043.5	1043.5	1043.5	1043.5	1043.5	1043.5	1043.5	1043.5	1043.5	1043.5	1043.5
2.5°	1097.6	1099.5	1102.1	1105.3	1104.6	1101.8	1098.2	1090.2	1085.1	1069.1	1049.6
5°	1062.4	1062.1	1068.5	1074.5	1085.4	1091.2	1099.2	1091.8	1089.3	1070.1	1038.4
7.5°	993.5	997.1	1004.4	1014.0	1029.7	1046.7	1065.9	1063.7	1071.3	1058.5	1019.2
10°	926.0	924.1	935.6	950.0	974.0	995.8	1023.6	1023.3	1043.5	1042.2	997.4
12.5°	866.7	866.4	875.4	891.7	919.9	950.3	988.1	989.1	1014.0	1024.3	978.8
15°	816.8	817.4	826.1	843.0	872.2	909.3	953.2	961.2	989.4	1010.2	960.6
17.5°	781.3	781.6	786.7	801.4	829.9	869.6	922.5	933.3	969.5	999.6	945.8
20°	764.9	763.6	764.6	772.0	794.1	830.2	891.1	905.2	951.3	992.3	932.4
22.5°	767.2	765.2	760.8	759.8	769.7	797.3	857.8	875.1	931.4	987.8	920.2
25°	787.0	782.9	776.5	766.8	763.0	776.8	828.6	846.6	912.8	988.1	910.9
27.5°	817.4	813.0	804.9	792.1	777.1	771.3	808.8	825.8	899.7	995.5	906.4
30°	856.2	852.7	845.0	829.6	809.4	785.7	804.6	818.7	893.3	1010.5	908.4
32.5°	902.0	899.4	893.0	878.9	855.9	819.7	818.7	829.6	898.4	1032.3	915.7
35°	946.1	947.1	947.4	939.7	915.1	871.2	857.5	861.3	919.6	1064.9	932.4
37.5°	993.9	991.6	1003.1	1008.6	984.9	938.1	917.3	917.7	959.9	1113.3	963.8
40°	1030.0	1030.7	1055.7	1078.1	1068.1	1023.0	993.2	992.9	1022.0	1179.6	1014.3
42.5°	1064.0	1068.1	1105.0	1143.4	1157.2	1117.1	1095.7	1087.7	1109.1	1269.2	1090.2
45°	1100.2	1106.2	1157.8	1212.5	1248.7	1225.0	1208.1	1211.3	1213.8	1373.6	1192.4
47.5°	1142.4	1146.3	1210.0	1287.1	1354.7	1348.6	1349.6	1345.7	1344.5	1505.2	1327.5
50°	1193.7	1202.6	1275.9	1368.2	1460.4	1500.7	1514.2	1515.8	1494.9	1648.6	1467.4
52.5°	1302.5	1313.4	1376.2	1456.8	1575.6	1660.5	1715.2	1704.3	1672.3	1787.6	1620.8
55°	1430.9	1439.2	1499.8	1583.3	1716.5	1835.6	1965.6	1961.1	1882.7	1933.9	1746.9
57.5°	1443.1	1452.4	1546.2	1674.3	1897.4	2052.1	2188.8	2203.2	2088.3	2037.7	1859.6
60°	1306.4	1325.2	1453.3	1625.6	1966.6	2343.1	2433.4	2436.3	2239.1	2143.0	1997.3
62.5°	1047.0	1056.0	1185.0	1409.8	1860.0	2512.8	2807.1	2746.2	2432.8	2306.0	2215.4
65°	548.8	585.3	697.7	946.5	1508.4	2453.6	3256.6	3240.0	2781.1	2539.4	2385.1
67.5°	376.5	376.2	402.8	493.4	899.4	2112.6	3477.2	3660.4	3183.9	2619.4	2262.1
70°	286.6	287.5	311.2	370.1	465.9	1406.3	3235.2	3548.3	3258.9	2378.3	1829.5
72.5°	190.2	192.1	231.5	299.1	372.1	689.4	2514.1	2839.1	2742.1	1910.2	1287.8
75°	113.7	115.3	143.4	217.4	330.8	385.8	1597.4	1962.7	1887.5	1316.6	690.3
77.5°	46.7	48.0	73.6	135.4	242.1	299.7	883.4	1284.3	1130.6	523.5	188.6
80°	19.5	20.2	35.5	94.8	174.5	187.9	409.2	603.6	463.3	112.7	57.6
82.5°	7.0	7.4	13.1	52.2	108.5	141.5	206.5	238.5	130.6	36.8	31.1
85°	0.3	0.3	3.2	17.6	41.3	40.0	118.1	114.3	43.2	15.4	18.6
87.5°	0.0	0.0	0.3	0.3	0.6	1.6	11.2	19.9	9.3	3.8	8.0
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°	1043.5	1043.5	1043.5	1043.5	1043.5	1043.5	1043.5	1043.5	1043.5	1043.5	1043.5
2.5°	1036.8	1019.8	1001.2	983.9	956.4	940.1	919.9	910.9	898.1	894.9	896.8
5°	1015.6	986.5	942.0	901.6	849.5	807.5	765.2	747.3	724.3	708.9	702.5
7.5°	985.9	947.8	878.3	804.9	733.2	656.7	598.4	560.0	525.1	505.9	502.1
10°	955.8	906.1	806.5	701.5	590.4	498.8	420.1	361.8	314.4	293.0	276.3
12.5°	924.7	862.9	733.5	596.5	467.5	342.6	245.3	188.6	154.6	141.2	143.4
15°	896.2	821.3	661.2	491.5	329.2	206.8	135.4	114.3	106.3	103.7	103.4
17.5°	869.0	781.9	589.1	389.3	217.1	126.8	103.7	98.6	96.4	95.1	95.1
20°	844.3	744.1	518.7	293.3	140.2	100.5	93.8	91.3	89.3	88.4	88.4
22.5°	821.3	707.6	449.9	207.5	103.4	90.3	86.1	83.6	81.3	80.0	80.0
25°	800.5	674.6	384.2	142.8	89.0	82.6	78.1	75.2	71.4	69.2	69.2
27.5°	785.4	645.2	321.1	104.1	80.4	74.3	69.2	65.3	61.2	58.6	58.0
30°	776.5	620.2	257.4	85.5	72.4	66.3	60.5	55.7	50.9	48.3	48.0
32.5°	771.3	597.1	199.2	74.6	65.6	58.6	52.2	47.1	42.3	39.4	39.1
35°	773.2	579.2	149.2	67.2	59.2	51.9	44.8	39.7	35.5	33.0	32.3
37.5°	789.9	571.2	112.1	61.5	53.8	46.1	38.7	33.9	30.1	28.2	27.9
40°	822.2	572.8	88.1	57.0	49.3	40.3	33.3	28.8	25.9	24.3	24.0
42.5°	872.5	586.3	72.7	53.2	44.5	35.2	28.8	25.3	22.4	20.8	20.5
45°	947.4	614.1	63.4	48.7	39.4	30.4	25.0	21.8	19.2	17.3	17.0
47.5°	1056.0	662.5	57.3	44.5	34.9	26.3	21.5	18.3	16.0	14.4	14.1
50°	1171.6	720.4	52.2	40.3	31.1	22.7	18.3	15.0	13.1	11.5	11.2
52.5°	1294.8	782.9	48.3	36.5	27.5	19.5	15.4	12.5	10.6	9.0	8.6
55°	1413.3	845.6	43.9	33.9	23.4	16.6	12.8	10.2	8.3	7.0	7.0
57.5°	1528.6	903.2	39.1	29.8	19.2	14.1	10.6	8.3	6.7	5.8	5.4
60°	1666.2	983.0	33.6	25.3	16.0	11.8	8.6	6.7	5.4	4.5	4.5
62.5°	1870.8	1065.9	28.8	21.1	13.4	9.9	7.0	5.4	4.5	3.8	3.5
65°	1937.8	1021.1	24.3	17.3	10.9	8.0	5.8	4.8	3.8	3.5	3.2
67.5°	1759.1	837.0	20.2	14.1	9.0	6.7	5.1	4.2	3.5	3.2	2.9
70°	1372.6	593.9	15.7	10.6	7.4	5.4	4.5	3.8	3.2	2.9	2.9
72.5°	933.7	351.2	12.5	8.0	6.1	4.8	3.8	3.5	3.2	2.9	2.6
75°	459.8	124.9	9.6	6.1	4.8	4.2	3.5	3.2	2.9	2.6	2.6
77.5°	123.9	34.6	7.4	4.8	3.8	3.2	3.2	3.2	2.9	2.2	2.2
80°	41.9	14.4	5.4	3.5	3.2	2.6	2.2	2.9	2.6	2.2	1.9
82.5°	23.1	7.0	3.8	2.9	2.2	1.9	1.9	1.9	1.9	1.6	1.6
85°	14.7	3.8	2.6	2.2	2.2	1.6	1.3	1.3	1.0	1.0	1.0
87.5°	6.7	2.2	2.2	1.9	1.9	1.6	1.0	0.6	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)