

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: P630111

Luminaire Tested: GWS-SA1D-722-U-SL2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630111  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1D-722-U-SL2-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

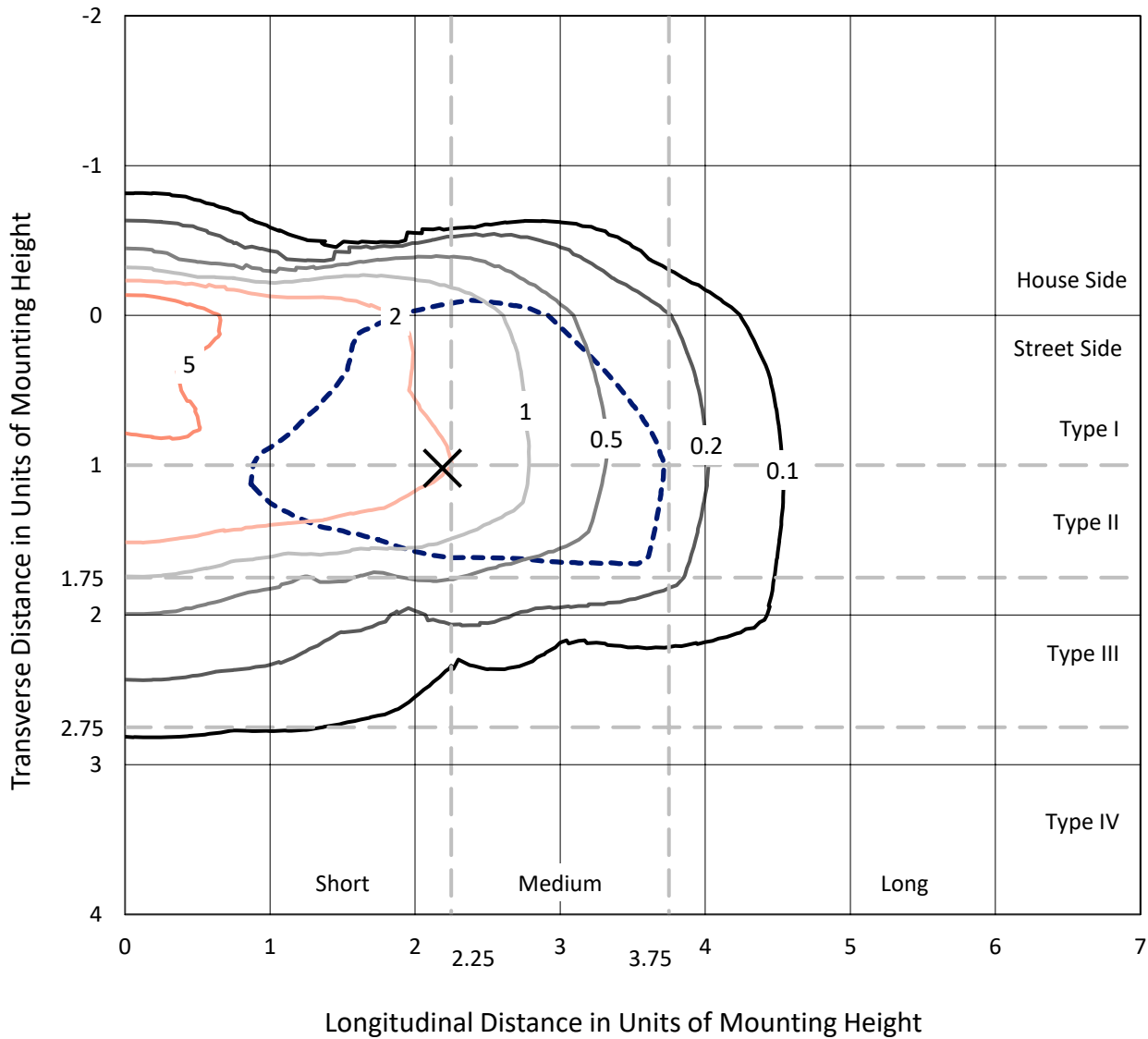
Lumens per Lamp: N/A  
Luminaire Lumens: 3540.7 lumens  
Efficiency: N/A  
Efficacy: 79.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

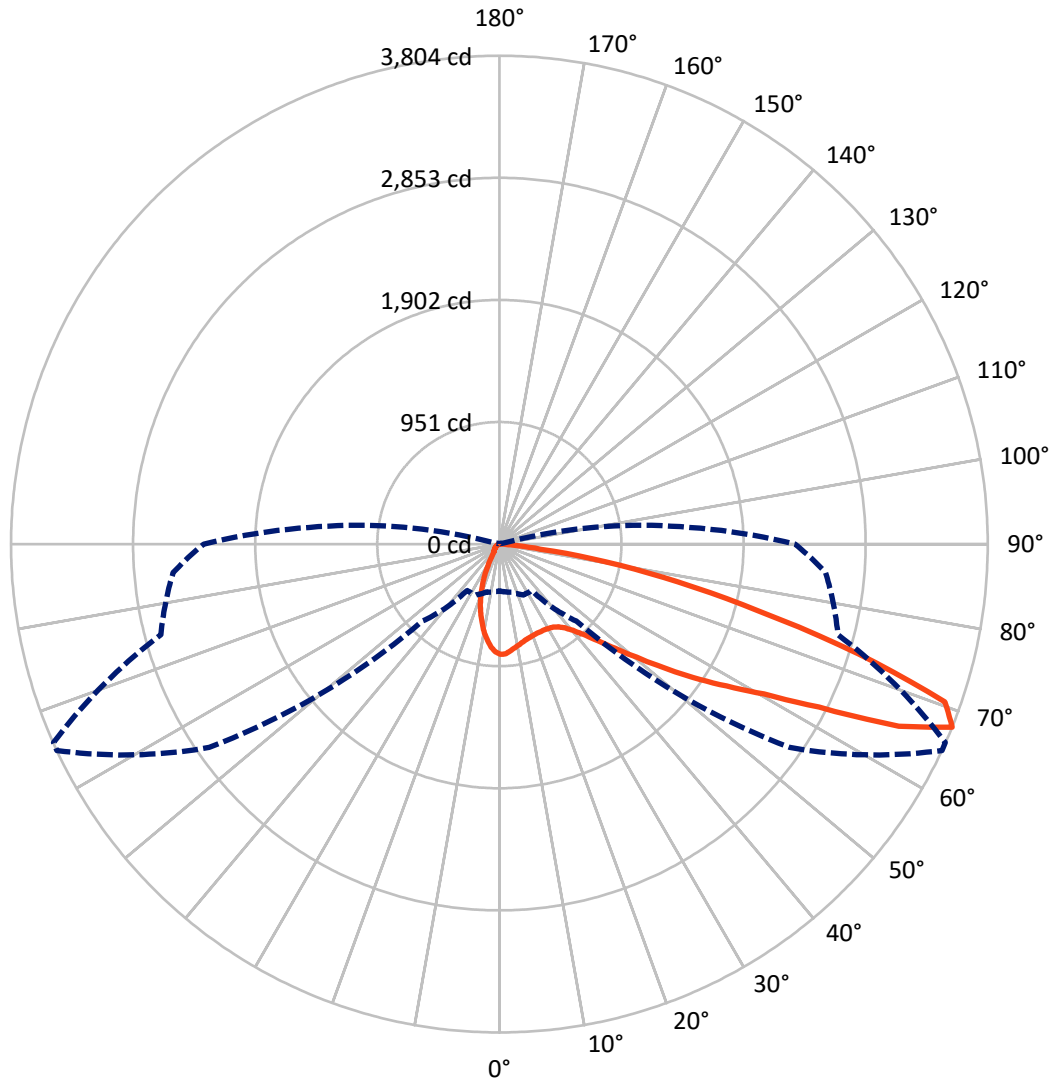
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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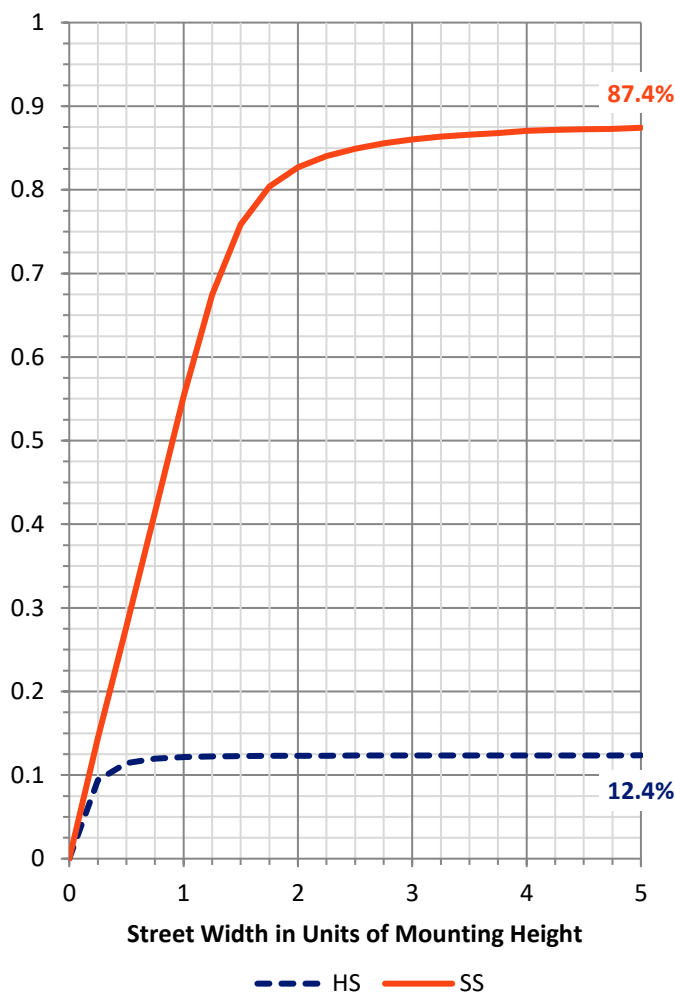
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	442.1	0.0	442.1
	% Fixture	12.5	0.0	12.5
<b>Street Side</b>	Lumens	3098.6	0.0	3098.6
	% Fixture	87.5	0.0	87.5
<b>Total</b>	Lumens	3540.7	0.0	3540.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.3	2.0
10°-20°	160.3	4.5
20°-30°	229.1	6.5
30°-40°	333.3	9.4
40°-50°	522.0	14.7
50°-60°	814.4	23.0
60°-70°	894.5	25.3
70°-80°	476.1	13.4
80°-90°	39.6	1.1
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°	3540.7	100.0
0°-180°	3540.7	100.0

**Coefficient of Utilization**



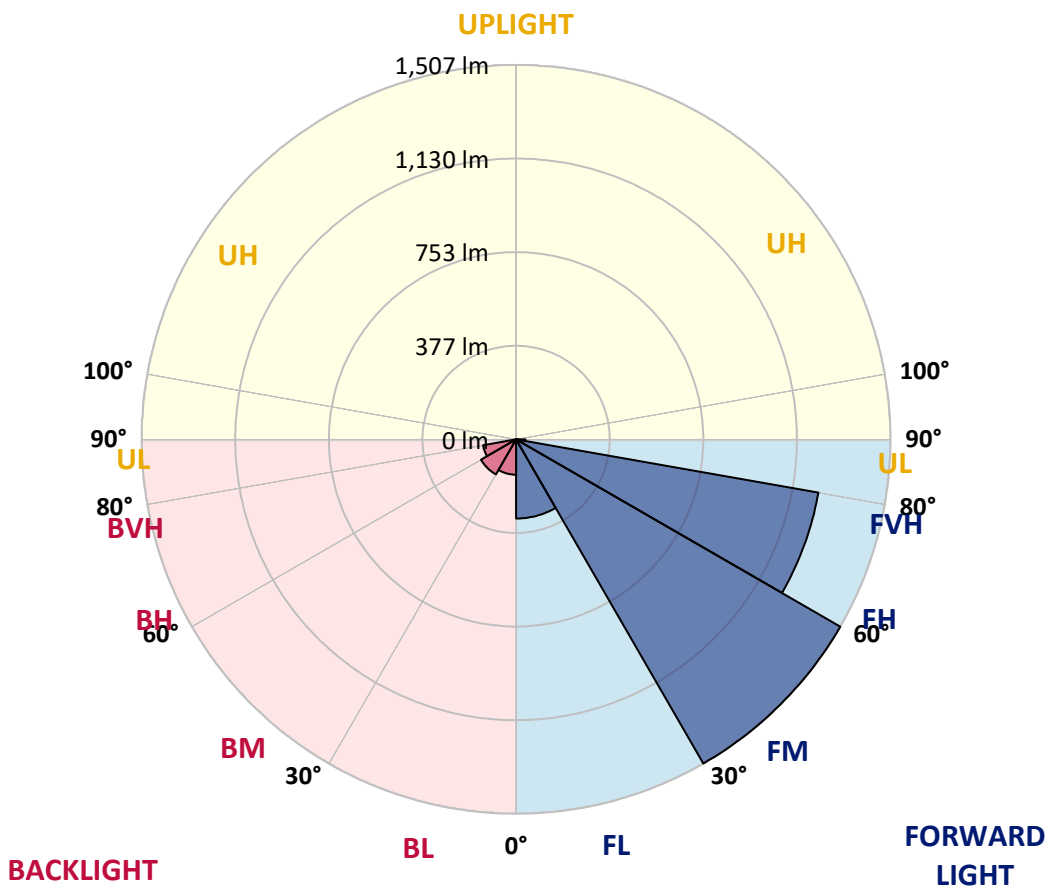
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	318.6	9.0			
FM (30°-60°)	1506.8	42.6			
FH (60°-80°)	1235.6	34.9			G1/1800
FVH (80°-90°)	37.5	1.1			G1/100
BL (0°-30°)	142.1	4.0	B1/500		
BM (30°-60°)	162.9	4.6	B0/220		
BH (60°-80°)	135.0	3.8	B1/500		G1/500
BVH (80°-90°)	2.1	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-G1**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	858.7	858.7	858.7	858.7	858.7	858.7	858.7	858.7	858.7	858.7	858.7
2.5°	829.0	831.5	828.0	836.6	838.2	847.8	853.3	857.1	856.8	861.6	861.6
5°	780.3	782.8	780.9	790.2	797.6	812.6	825.1	839.5	840.2	854.9	860.3
7.5°	739.0	739.3	739.3	750.8	760.4	779.0	797.6	819.7	822.2	845.0	859.4
10°	705.0	706.0	706.3	719.5	730.0	752.4	776.1	802.7	805.6	836.3	858.7
12.5°	681.7	682.0	683.3	697.0	708.6	731.9	756.0	786.4	790.2	826.4	855.8
15°	670.5	669.8	670.5	682.0	693.5	715.9	740.6	773.2	777.4	818.1	856.2
17.5°	669.8	668.9	668.2	676.9	684.2	704.1	729.1	764.6	769.1	814.2	859.7
20°	679.1	678.5	675.3	679.1	680.7	697.0	721.7	757.9	762.4	813.6	867.4
22.5°	703.4	701.8	697.0	693.5	684.9	694.5	716.6	753.1	758.2	815.2	877.3
25°	739.6	739.0	732.9	724.3	702.2	698.3	716.9	753.1	757.9	817.1	887.9
27.5°	794.1	790.2	782.5	767.5	735.8	713.4	723.3	755.0	759.8	819.7	896.5
30°	849.4	849.1	846.6	831.2	784.1	742.2	736.7	760.1	764.6	821.9	904.5
32.5°	906.8	907.7	914.1	902.3	850.7	785.1	761.1	770.7	773.9	826.4	911.6
35°	961.2	963.1	980.1	984.2	931.7	850.1	800.8	791.8	792.1	836.3	920.8
37.5°	1013.4	1019.8	1047.0	1067.2	1032.6	928.9	858.1	827.7	825.1	856.2	934.9
40°	1072.6	1084.8	1119.0	1153.3	1142.4	1032.9	936.2	882.7	877.3	892.7	960.2
42.5°	1138.3	1151.4	1196.8	1244.9	1250.0	1158.7	1033.9	963.1	953.8	954.1	1007.6
45°	1208.7	1226.3	1279.1	1348.3	1379.3	1299.0	1154.3	1071.7	1062.4	1048.6	1083.8
47.5°	1301.2	1316.6	1367.5	1447.2	1506.8	1449.5	1312.1	1211.3	1194.3	1174.1	1202.3
50°	1381.0	1394.4	1438.3	1538.2	1662.1	1643.5	1491.1	1385.8	1369.4	1335.2	1358.5
52.5°	1398.6	1409.1	1449.5	1561.9	1780.9	1888.4	1710.4	1596.8	1585.2	1521.8	1530.8
55°	1319.5	1335.5	1371.7	1496.5	1811.9	2127.9	1995.1	1834.6	1810.6	1709.5	1725.5
57.5°	1119.7	1148.2	1182.1	1344.4	1727.7	2255.4	2392.7	2086.6	2064.9	1890.0	1890.4
60°	820.6	843.7	866.4	1015.0	1527.9	2246.7	2753.6	2369.7	2330.0	2037.6	2032.2
62.5°	596.8	608.7	608.3	661.2	1049.2	2098.8	2943.1	2796.2	2703.6	2195.5	2164.4
65°	469.4	469.1	482.8	500.1	585.9	1620.1	2966.5	3418.9	3319.0	2407.1	2342.5
67.5°	365.3	372.4	386.1	437.1	440.3	847.8	2760.9	3804.1	3802.2	2730.2	2550.9
70°	281.8	291.4	310.9	385.2	406.6	474.5	2065.8	3682.1	3713.2	2874.6	2403.3
72.5°	180.9	180.3	209.1	311.2	390.6	395.4	1142.4	2924.9	2960.1	2603.7	1943.2
75°	101.2	101.8	118.1	190.5	364.0	372.1	565.8	2085.7	2113.5	2030.0	1493.0
77.5°	39.7	41.0	55.4	100.2	240.1	332.4	336.2	1422.3	1426.4	1258.0	915.7
80°	16.0	17.0	28.2	62.1	146.3	223.8	240.1	837.9	820.9	487.0	266.4
82.5°	4.8	5.1	11.2	35.2	76.5	159.1	162.0	321.5	303.5	104.7	67.9
85°	0.3	0.3	2.6	10.9	27.2	40.0	107.9	104.7	92.9	26.3	30.1
87.5°	0.0	0.0	0.3	0.3	0.6	1.3	11.5	19.2	19.5	4.8	13.4
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°	858.7	858.7	858.7	858.7	858.7	858.7	858.7	858.7	858.7	858.7	858.7
2.5°	861.6	850.1	849.1	840.2	831.2	820.0	806.9	797.3	790.5	778.7	776.4
5°	860.3	845.0	830.6	804.9	776.4	745.7	718.8	693.8	678.1	667.6	663.1
7.5°	857.8	838.2	804.9	756.6	708.9	655.1	613.2	574.7	548.5	533.1	526.4
10°	855.8	829.6	775.5	702.2	628.2	553.9	490.2	433.2	401.5	376.5	372.4
12.5°	852.0	817.1	737.7	638.4	543.0	444.4	363.1	293.3	244.9	223.2	215.5
15°	848.2	804.0	699.9	571.2	450.2	328.5	229.9	162.7	129.4	119.1	118.5
17.5°	847.5	792.1	658.9	507.5	352.8	215.2	131.0	105.3	98.3	95.7	95.7
20°	849.4	782.2	618.6	434.2	257.1	131.0	97.7	91.3	87.1	84.8	84.8
22.5°	851.4	772.0	579.9	360.2	170.7	95.7	86.1	80.7	75.9	73.3	72.0
25°	852.6	760.8	536.9	285.9	111.4	83.2	75.6	68.5	62.8	59.6	59.6
27.5°	852.3	747.3	493.7	213.2	86.4	74.0	64.7	57.3	51.5	48.0	48.3
30°	849.8	732.6	448.9	148.9	75.6	64.7	55.4	47.7	41.9	39.1	38.7
32.5°	847.8	716.9	397.0	104.7	67.9	56.7	47.1	39.7	34.9	32.7	32.3
35°	845.6	701.5	347.7	79.7	61.2	49.0	39.7	33.6	29.8	27.9	27.9
37.5°	846.2	685.5	294.2	68.5	54.4	42.6	33.9	28.8	25.6	23.7	23.4
40°	856.2	675.9	241.7	62.1	48.3	36.8	29.5	25.0	21.8	19.9	19.5
42.5°	880.8	676.2	191.5	57.3	42.9	31.4	25.6	21.5	18.6	16.3	16.0
45°	930.1	689.7	147.0	52.2	37.1	27.2	22.1	18.3	15.4	13.4	13.1
47.5°	1010.8	729.7	111.4	47.7	32.3	23.7	18.9	15.4	12.8	11.2	10.9
50°	1139.2	802.1	87.7	42.3	27.2	20.5	16.0	12.8	10.6	9.0	8.6
52.5°	1293.5	910.6	75.2	37.5	23.4	17.9	13.8	10.6	8.6	7.4	7.0
55°	1470.9	1040.3	69.5	32.7	19.9	15.4	11.2	8.6	7.0	6.1	5.4
57.5°	1633.6	1157.1	69.2	27.9	17.0	13.1	9.3	7.4	6.1	4.8	4.5
60°	1792.1	1254.8	65.0	23.1	14.7	10.9	8.0	6.1	5.1	4.2	3.8
62.5°	1935.8	1334.2	54.4	18.6	12.5	9.0	6.7	5.4	4.5	3.5	3.5
65°	2116.4	1435.4	41.6	15.0	10.2	7.4	5.8	4.8	4.2	3.2	3.2
67.5°	2303.1	1488.9	29.8	12.5	8.3	6.4	5.1	4.5	3.5	2.9	2.9
70°	2086.0	1258.0	21.5	10.2	7.0	5.4	4.5	4.2	3.5	2.9	2.6
72.5°	1629.1	907.1	16.0	8.0	6.1	5.1	4.2	3.8	3.2	2.6	2.6
75°	1208.1	528.9	12.2	6.4	4.8	4.2	4.2	3.8	3.2	2.6	2.2
77.5°	656.7	184.4	9.3	5.1	3.8	3.2	3.5	3.5	2.9	2.2	1.9
80°	173.9	50.6	6.4	3.8	3.2	2.6	2.6	3.2	2.6	1.9	1.9
82.5°	50.6	14.7	4.5	3.2	2.6	2.2	2.2	2.2	1.9	1.6	1.3
85°	24.7	5.4	3.2	2.6	2.2	1.9	1.6	1.6	1.3	1.0	1.0
87.5°	10.9	2.2	2.6	2.2	2.2	1.6	1.3	1.0	1.0	0.6	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)