

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: P629977

Luminaire Tested: GWS-SA1C-760-U-T3R-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629977  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-760-U-T3R-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

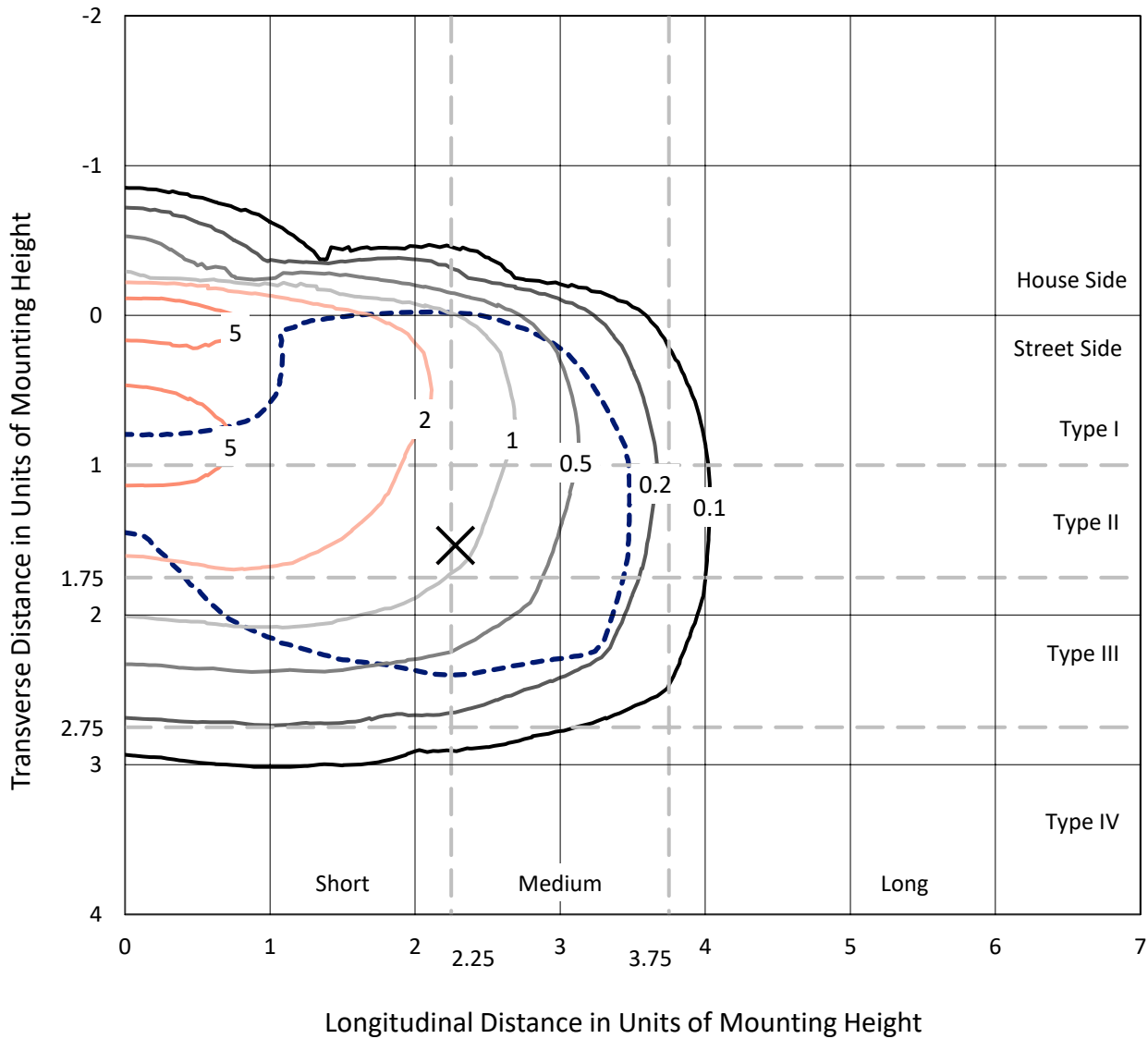
Lumens per Lamp: N/A  
Luminaire Lumens: 3796.2 lumens  
Efficiency: N/A  
Efficacy: 111.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

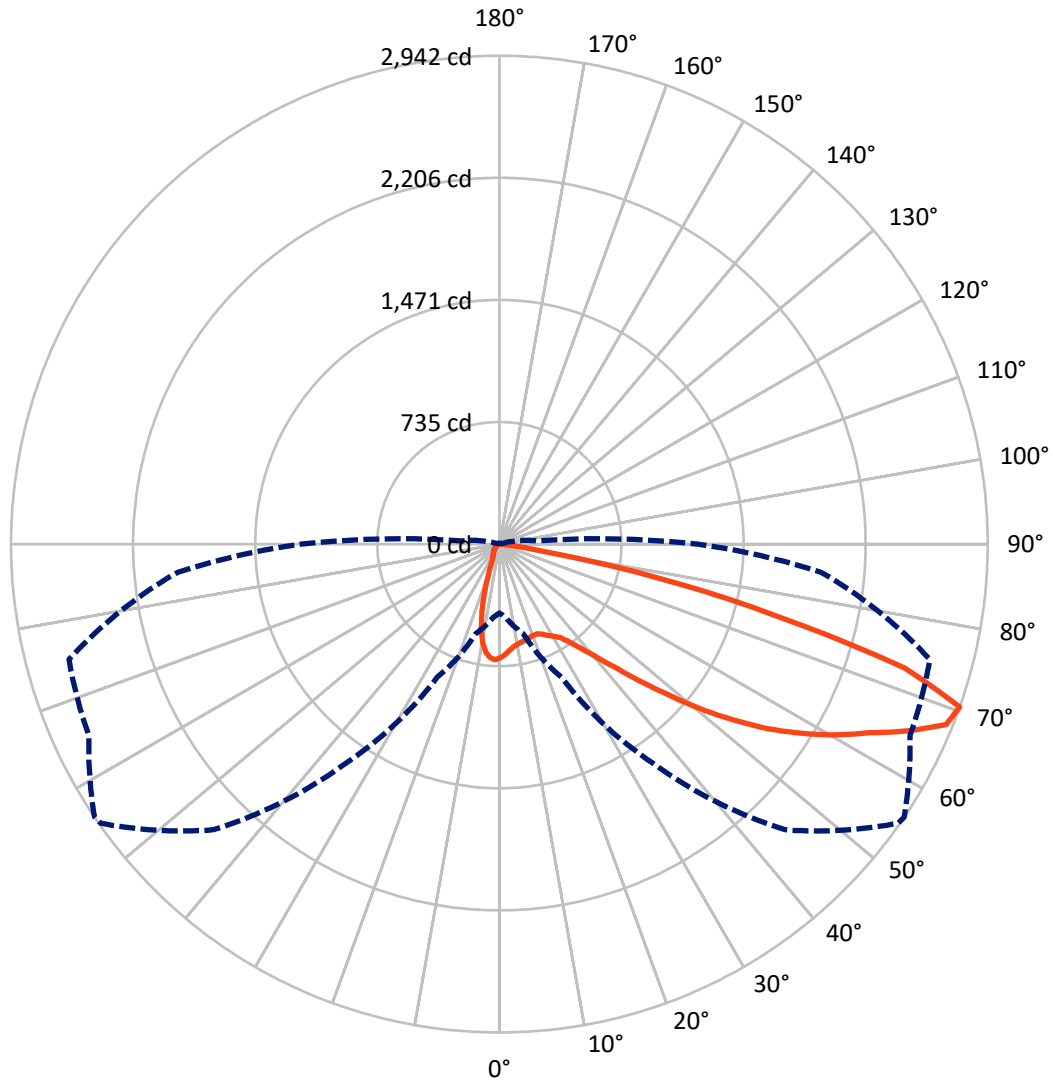
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.2 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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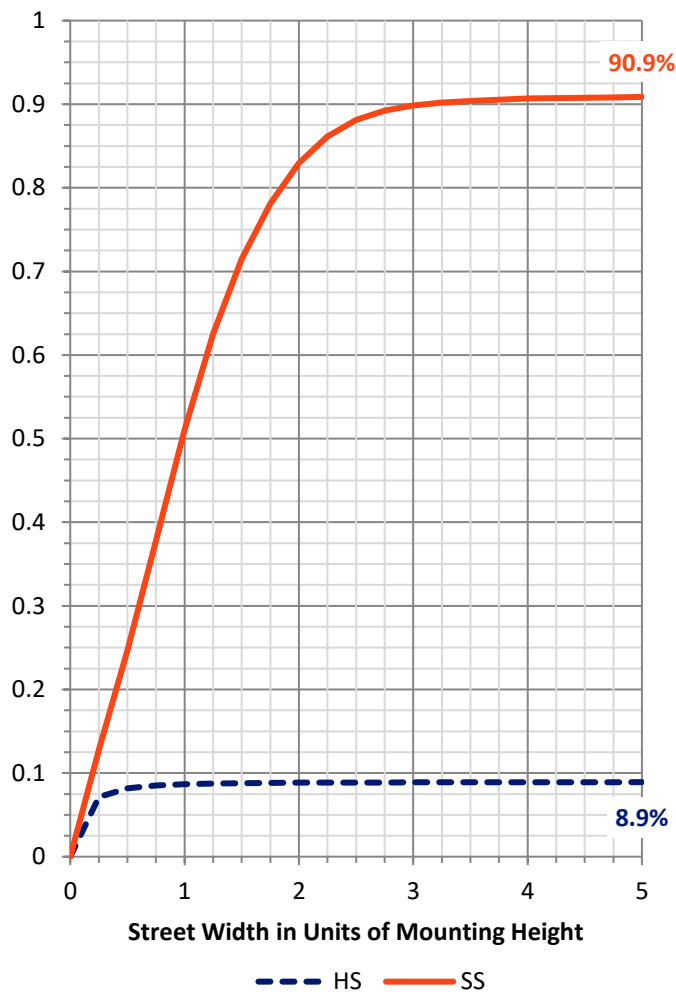
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	341.0	0.0	341.0
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	3455.2	0.0	3455.2
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	3796.2	0.0	3796.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.8	1.5
10°-20°	132.2	3.5
20°-30°	209.4	5.5
30°-40°	361.1	9.5
40°-50°	609.7	16.1
50°-60°	895.9	23.6
60°-70°	1062.1	28.0
70°-80°	452.9	11.9
80°-90°	14.2	0.4
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°	3796.2	100.0
0°-180°	3796.2	100.0

**Coefficient of Utilization**



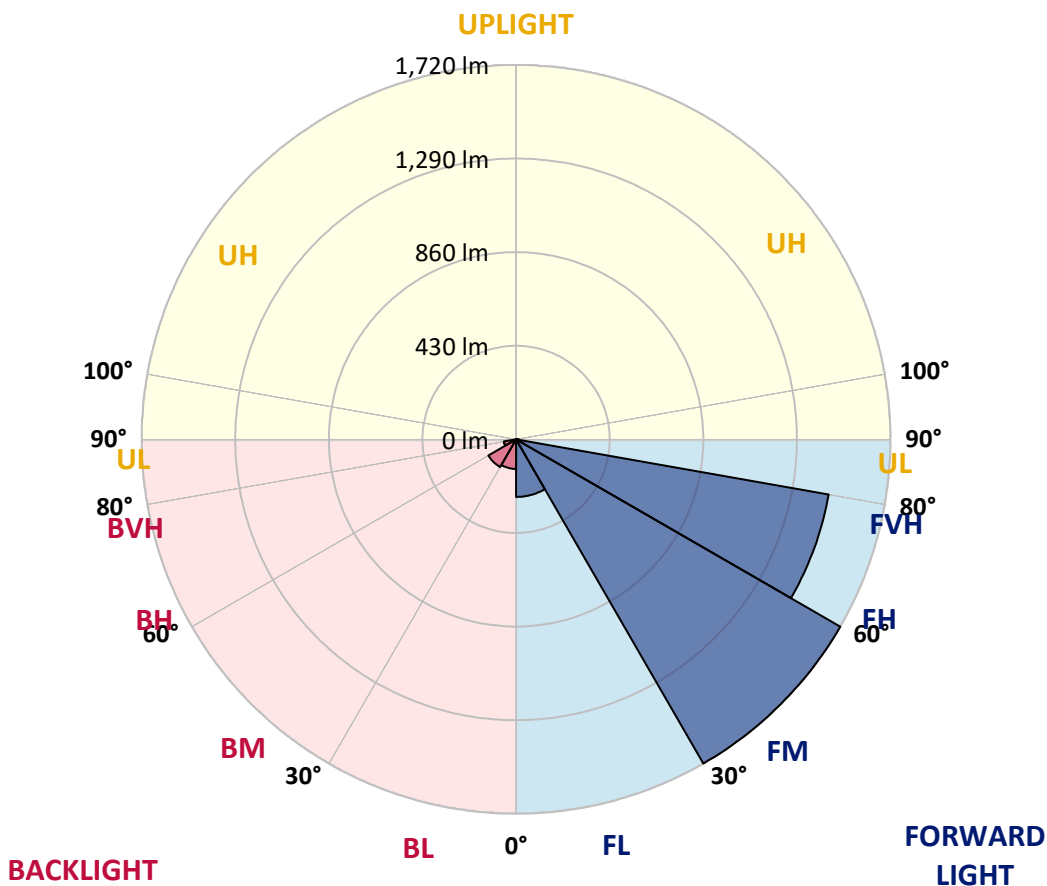
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	264.5	7.0			
FM (30°-60°)	1719.8	45.3			
FH (60°-80°)	1458.1	38.4			G1/1800
FVH (80°-90°)	12.8	0.3			G1/100
BL (0°-30°)	135.8	3.6	B1/500		
BM (30°-60°)	146.9	3.9	B0/220		
BH (60°-80°)	56.9	1.5	B0/110		G0/110
BVH (80°-90°)	1.4	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 Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5
2.5°	637.2	636.2	636.9	642.1	651.8	656.3	664.0	665.4	671.6	679.6	682.8
5°	595.8	592.4	594.1	601.4	612.5	625.0	639.3	643.1	658.8	676.5	689.7
7.5°	558.0	554.1	558.3	569.8	585.4	599.0	620.2	622.6	647.6	678.9	702.9
10°	498.5	499.6	507.9	528.1	552.0	580.2	608.7	612.2	643.1	686.9	724.1
12.5°	453.0	450.5	459.6	482.5	516.2	557.3	600.0	604.5	643.5	699.1	751.2
15°	431.8	431.1	434.9	451.6	484.3	532.6	592.0	597.9	648.0	710.2	777.0
17.5°	432.5	431.4	431.1	440.8	465.1	514.2	583.3	591.0	651.8	722.4	804.1
20°	462.7	457.8	449.1	444.6	459.2	502.3	577.4	586.1	657.4	735.2	832.9
22.5°	526.0	527.7	504.4	480.1	473.1	503.7	576.7	586.8	669.5	755.4	868.4
25°	652.5	649.7	606.6	552.0	514.2	519.7	588.9	601.1	693.5	784.3	901.8
27.5°	811.0	813.5	754.4	667.5	588.2	552.7	611.1	623.3	721.3	802.3	924.0
30°	983.8	981.4	918.1	821.8	693.2	607.7	633.4	644.2	735.2	812.1	947.0
32.5°	1147.2	1141.6	1079.1	978.2	827.0	694.2	664.0	670.2	753.7	833.3	977.9
35°	1286.6	1286.2	1231.7	1124.3	964.7	802.7	716.5	721.7	788.1	867.0	1023.4
37.5°	1430.5	1425.7	1364.5	1266.4	1106.2	921.6	796.8	794.7	842.3	916.7	1079.4
40°	1548.7	1545.6	1498.7	1404.4	1253.2	1053.0	894.1	887.9	906.6	985.5	1157.3
42.5°	1636.3	1636.7	1622.1	1564.7	1409.0	1204.9	1016.5	1006.8	1006.4	1089.5	1260.2
45°	1702.7	1707.2	1729.1	1720.4	1592.9	1381.8	1173.3	1163.2	1146.2	1224.4	1378.0
47.5°	1733.7	1739.6	1805.6	1840.4	1753.8	1557.4	1359.9	1338.7	1305.4	1403.7	1509.8
50°	1730.5	1741.0	1833.1	1938.8	1899.8	1735.4	1563.3	1553.2	1498.7	1593.6	1640.1
52.5°	1659.6	1681.9	1834.8	1998.6	2012.1	1899.5	1773.6	1754.9	1728.4	1791.7	1762.5
55°	1467.0	1494.1	1761.5	2017.7	2099.7	2042.7	1979.4	1964.1	1920.3	1978.7	1869.2
57.5°	1362.4	1385.7	1607.1	2008.3	2174.1	2175.2	2162.6	2150.1	2114.0	2163.7	1994.4
60°	1299.5	1322.8	1524.7	1973.9	2241.5	2314.9	2334.7	2333.3	2281.2	2374.0	2141.1
62.5°	1207.3	1239.3	1438.9	1884.5	2289.5	2452.6	2512.4	2503.0	2444.9	2593.0	2286.4
65°	1021.4	1049.2	1263.0	1737.1	2261.4	2566.6	2704.9	2709.8	2642.7	2799.2	2401.1
67.5°	716.1	736.6	949.0	1427.7	2070.2	2604.1	2902.1	2901.7	2787.3	2904.8	2350.4
70°	415.1	443.2	560.7	882.6	1610.6	2433.4	2931.6	2941.7	2728.6	2684.1	1945.0
72.5°	160.6	183.9	317.7	469.0	839.9	1864.0	2521.7	2551.3	2283.6	2070.5	1353.7
75°	48.0	53.5	149.5	249.6	337.2	900.4	1707.2	1715.6	1566.4	1291.5	693.9
77.5°	35.8	39.6	65.4	126.2	118.2	272.9	883.3	964.7	831.5	461.3	191.2
80°	24.3	28.9	46.6	61.5	43.8	72.7	248.2	272.5	253.8	103.6	48.0
82.5°	10.8	13.9	33.0	30.9	16.0	20.9	76.5	81.3	52.5	31.3	16.7
85°	1.0	1.4	12.5	13.6	5.9	4.9	16.0	16.0	11.5	10.8	7.0
87.5°	0.0	0.0	0.3	0.7	0.7	1.0	1.4	1.7	2.1	2.8	3.5
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°	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5
2.5°	690.8	686.6	691.8	696.0	697.0	689.4	684.8	678.2	676.8	677.2	675.5
5°	700.1	698.1	701.9	697.4	685.5	663.3	644.2	623.0	611.5	604.9	604.2
7.5°	717.5	716.5	712.3	691.8	654.9	605.6	558.0	511.4	482.5	472.1	470.3
10°	743.2	741.2	724.1	675.5	596.9	502.0	422.0	355.3	314.6	302.8	288.2
12.5°	772.8	768.6	731.4	640.3	509.3	377.9	278.1	203.4	168.3	157.8	157.8
15°	801.3	792.3	727.3	582.3	401.5	245.8	155.4	117.5	106.7	103.9	103.9
17.5°	830.5	813.1	710.9	503.0	277.4	145.3	103.6	96.3	94.9	95.3	95.6
20°	858.0	830.8	682.1	407.8	176.9	101.5	92.8	91.1	90.4	91.1	90.7
22.5°	887.9	847.2	638.3	303.8	115.1	91.4	88.3	86.9	86.2	87.3	87.3
25°	917.4	859.0	580.2	204.4	91.4	85.2	83.4	82.0	81.3	81.7	81.7
27.5°	932.7	854.5	504.1	130.4	82.0	78.9	77.2	75.4	74.4	74.0	74.4
30°	943.1	840.6	410.9	92.8	74.4	70.6	68.8	67.4	64.7	62.9	63.6
32.5°	959.5	826.7	309.7	77.9	68.1	62.2	59.4	56.0	52.1	50.4	50.4
35°	978.9	807.6	217.3	70.2	61.5	55.3	50.1	44.1	39.6	38.2	38.2
37.5°	1004.7	789.5	144.6	65.0	56.0	49.4	42.1	35.1	30.2	29.5	29.2
40°	1043.3	774.2	101.9	61.2	51.1	43.1	34.4	27.1	23.6	22.6	22.6
42.5°	1093.3	758.5	80.7	57.4	46.9	37.2	27.5	21.6	18.8	18.1	17.7
45°	1155.2	740.1	70.2	53.9	42.8	30.9	21.9	18.1	16.0	15.3	15.3
47.5°	1222.3	715.1	65.4	49.4	37.9	25.0	18.4	15.6	14.6	14.3	13.9
50°	1288.3	681.4	61.2	45.2	32.3	20.5	16.0	14.3	13.6	13.2	13.2
52.5°	1346.0	642.1	56.0	40.3	26.4	17.7	14.3	13.2	12.5	11.8	11.5
55°	1395.4	599.3	49.4	34.8	21.6	15.6	13.2	12.2	11.5	10.8	10.4
57.5°	1459.0	575.0	39.6	28.2	17.7	13.9	12.2	11.1	10.4	9.4	9.4
60°	1529.6	557.3	29.5	22.2	15.3	12.9	11.1	10.1	9.4	8.3	8.3
62.5°	1586.3	530.8	23.3	18.1	13.2	11.5	10.1	9.0	8.3	7.3	7.3
65°	1607.8	476.3	19.1	14.3	10.8	10.1	9.0	8.3	7.3	6.3	6.3
67.5°	1510.5	367.1	16.0	11.5	9.0	8.7	8.0	7.6	6.3	5.6	5.2
70°	1196.2	223.9	13.2	9.4	7.6	7.3	7.3	6.6	5.6	5.2	4.9
72.5°	819.7	115.4	10.8	7.6	6.6	6.6	6.3	5.9	5.2	4.9	4.9
75°	425.9	38.6	8.3	5.9	5.2	5.6	5.6	5.2	4.9	4.9	4.5
77.5°	122.0	17.4	6.3	4.5	4.2	4.2	4.5	4.5	4.5	4.2	4.2
80°	31.6	10.1	4.5	3.5	3.5	3.5	3.5	3.8	4.2	3.8	3.8
82.5°	12.9	5.6	3.1	2.8	2.8	2.8	2.8	3.1	3.5	3.5	3.5
85°	8.0	2.8	2.4	2.4	2.4	2.1	2.1	2.4	2.4	2.8	2.8
87.5°	4.9	2.1	2.1	2.1	2.1	1.7	1.7	1.7	1.7	1.7	1.7
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)