

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: P630083

Luminaire Tested: GWS-SA1C-830-U-T3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630083  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-830-U-T3-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

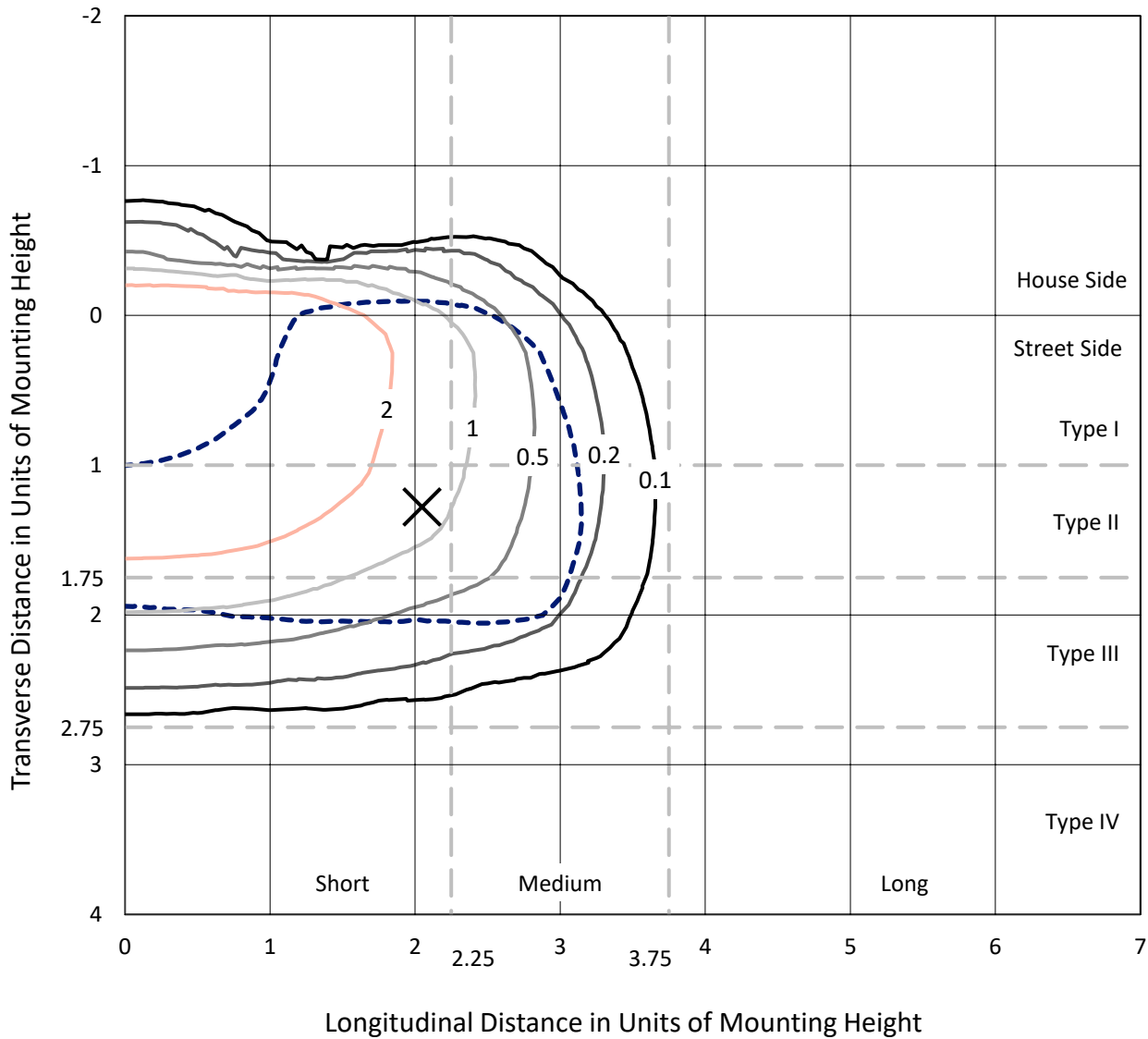
Lumens per Lamp: N/A  
Luminaire Lumens: 2803.2 lumens  
Efficiency: N/A  
Efficacy: 82.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

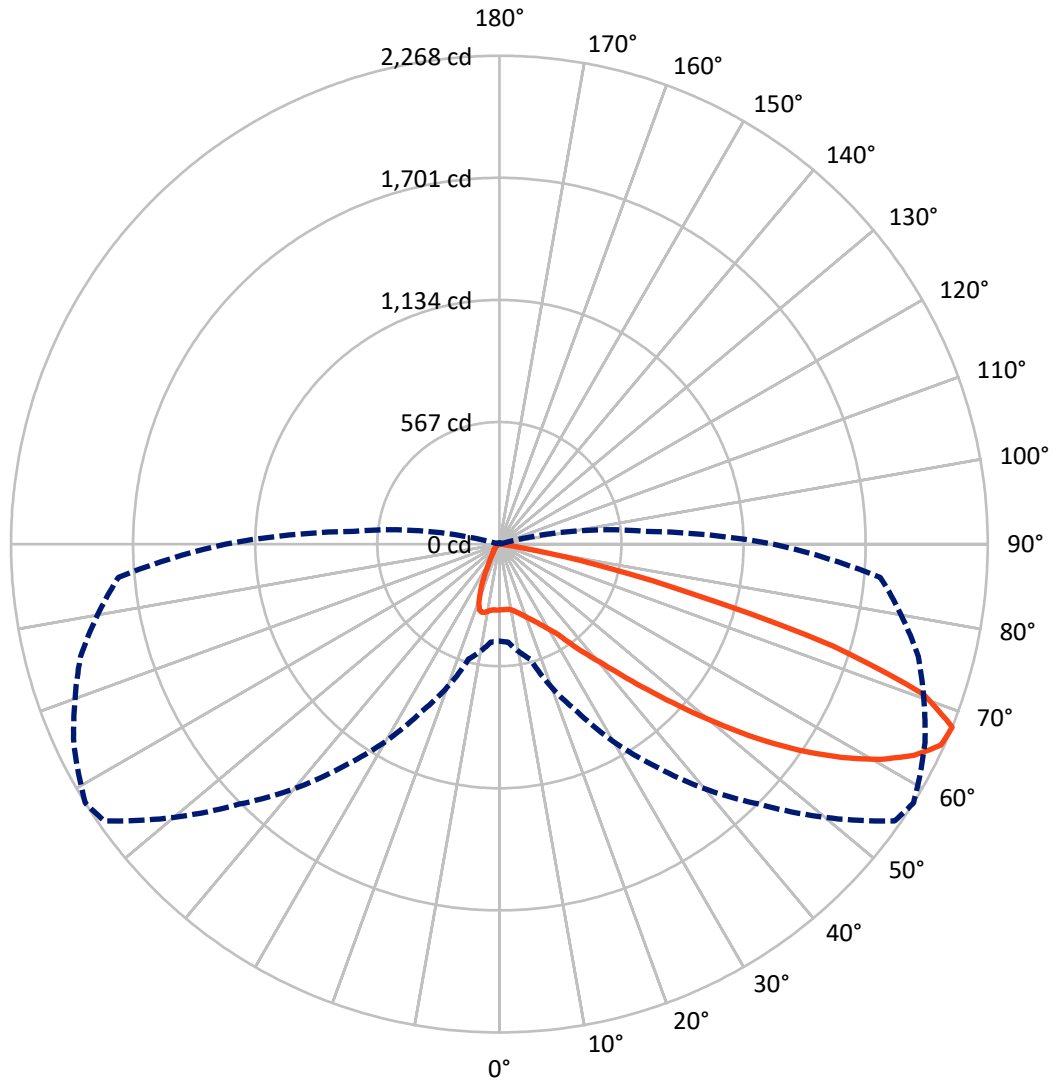
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.3 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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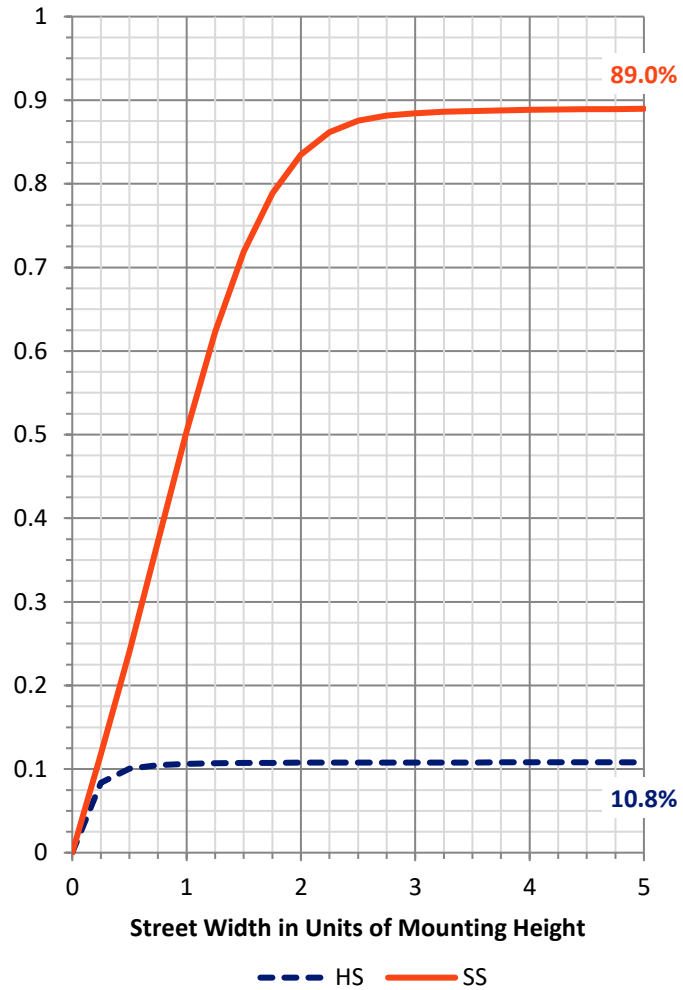
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	305.8	0.0	305.8
	% Fixture	10.9	0.0	10.9
<b>Street Side</b>	Lumens	2497.4	0.0	2497.4
	% Fixture	89.1	0.0	89.1
<b>Total</b>	Lumens	2803.2	0.0	2803.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.7	1.0
10°-20°	80.6	2.9
20°-30°	140.6	5.0
30°-40°	251.2	9.0
40°-50°	459.1	16.4
50°-60°	763.5	27.2
60°-70°	829.2	29.6
70°-80°	243.5	8.7
80°-90°	6.9	0.2
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°	2803.2	100.0
0°-180°	2803.2	100.0

**Coefficient of Utilization**



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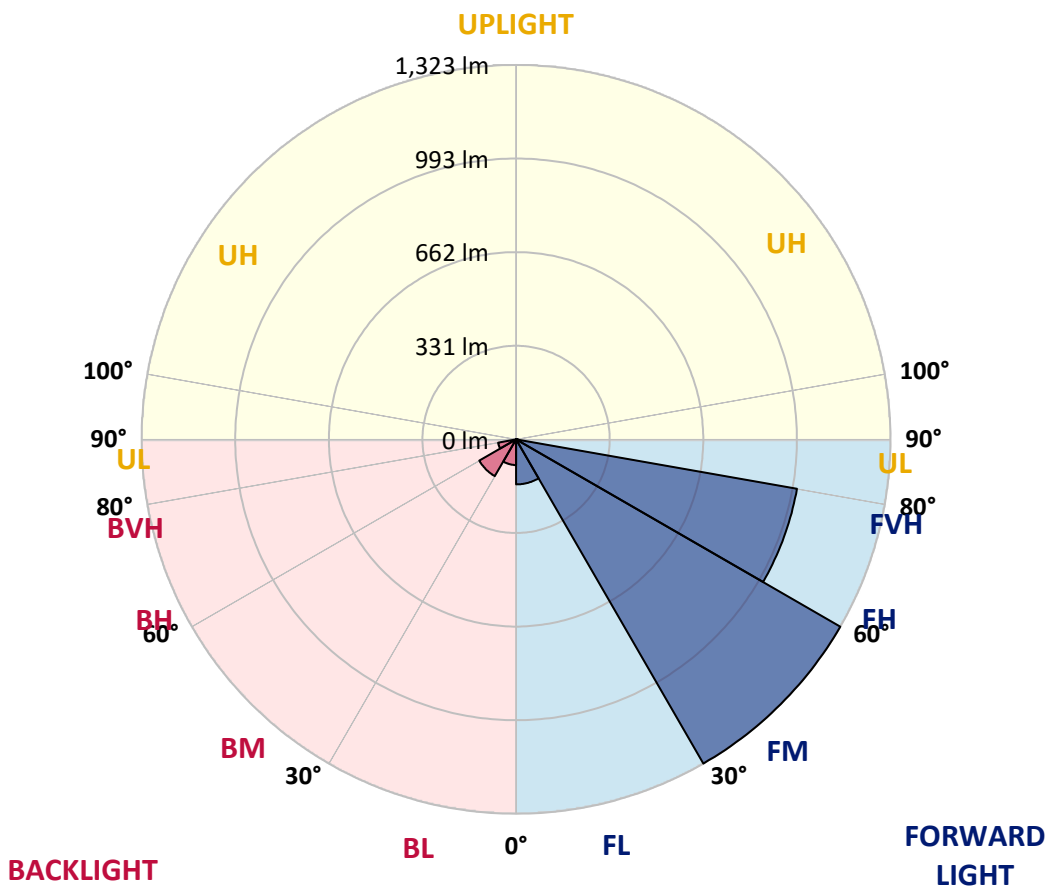
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	159.2	5.7			
FM (30°-60°)	1323.4	47.2			
FH (60°-80°)	1008.2	36.0			G1/1800
FVH (80°-90°)	6.6	0.2			G0/10
BL (0°-30°)	90.7	3.2	B0/110		
BM (30°-60°)	150.2	5.4	B0/220		
BH (60°-80°)	64.6	2.3	B0/110		G0/110
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	305.5	305.5	305.5	305.5	305.5	305.5	305.5	305.5	305.5	305.5	305.5
2.5°	299.7	299.2	299.2	301.4	301.6	302.7	305.2	305.5	306.8	306.3	304.4
5°	284.1	284.4	286.0	289.9	293.1	297.3	303.3	304.6	307.7	309.3	308.2
7.5°	269.6	269.9	272.3	278.4	284.7	292.9	302.7	305.5	311.5	315.9	316.1
10°	264.1	263.9	266.3	273.2	281.4	292.9	307.1	310.7	319.7	327.4	328.7
12.5°	265.8	265.5	268.0	274.3	283.3	297.8	314.8	319.7	331.2	343.0	345.4
15°	272.3	272.1	273.7	278.9	288.8	303.8	324.6	332.0	346.5	360.8	364.6
17.5°	292.1	290.7	289.0	289.6	295.3	310.9	337.2	346.2	364.3	381.3	384.6
20°	327.1	323.5	319.2	313.4	310.7	321.3	351.7	362.1	384.0	403.5	404.0
22.5°	379.9	378.5	368.4	351.7	340.0	340.2	368.7	380.7	407.6	428.9	425.9
25°	453.5	452.7	437.1	409.8	379.1	368.7	390.3	402.6	435.5	458.2	448.6
27.5°	545.0	539.2	520.9	483.9	438.2	405.6	417.7	428.6	465.0	486.4	468.3
30°	624.6	624.9	607.6	569.1	517.6	461.2	451.1	460.7	492.1	514.6	492.7
32.5°	701.3	703.7	684.8	650.1	593.7	533.7	499.0	500.6	526.9	551.3	524.7
35°	772.4	774.3	761.2	731.6	679.1	609.6	565.8	564.9	579.2	604.1	569.3
37.5°	852.1	854.0	841.1	814.6	765.3	696.3	641.6	640.5	646.2	666.5	626.8
40°	936.9	940.5	926.2	903.8	856.7	798.4	729.7	719.9	714.1	737.9	701.3
42.5°	1022.9	1028.3	1023.4	1001.0	960.7	912.6	844.1	828.8	816.5	846.3	807.5
45°	1129.6	1136.2	1134.0	1116.8	1085.6	1046.4	981.8	964.0	958.3	985.9	939.7
47.5°	1232.3	1239.4	1247.3	1243.5	1221.3	1203.2	1131.5	1121.4	1119.8	1149.3	1077.6
50°	1308.6	1315.2	1345.6	1367.5	1382.5	1378.7	1316.6	1301.5	1299.0	1317.9	1223.2
52.5°	1363.4	1369.7	1411.5	1480.0	1535.3	1565.4	1502.7	1499.4	1486.0	1479.4	1359.5
55°	1405.8	1414.6	1458.6	1562.1	1673.5	1740.3	1701.1	1689.4	1654.9	1617.1	1486.0
57.5°	1414.3	1417.8	1480.0	1619.6	1780.8	1888.9	1888.9	1868.4	1801.9	1749.6	1632.2
60°	1338.2	1349.1	1433.2	1614.9	1826.8	1986.1	2044.6	2030.4	1940.6	1876.3	1772.8
62.5°	1169.3	1181.6	1284.0	1503.5	1780.8	2006.1	2162.6	2160.4	2059.2	1981.1	1889.4
65°	896.7	905.7	995.0	1257.7	1586.4	1929.1	2246.9	2252.9	2152.8	2050.4	1929.7
67.5°	450.5	456.8	553.2	859.2	1257.4	1707.7	2241.2	2268.0	2181.2	2013.7	1776.1
70°	157.4	163.7	209.1	368.7	765.3	1304.0	2047.4	2091.2	2014.0	1718.9	1310.3
72.5°	53.9	56.9	86.8	136.9	297.8	773.0	1556.9	1622.9	1484.6	1154.0	753.0
75°	30.7	32.6	46.5	74.2	124.8	254.3	883.3	923.8	865.5	629.0	309.8
77.5°	20.8	22.4	29.0	42.2	69.0	81.8	360.2	453.5	395.5	205.3	79.1
80°	12.3	13.4	17.8	24.9	35.3	31.8	77.2	102.6	132.2	61.3	23.8
82.5°	5.7	6.6	11.5	16.4	17.8	13.4	22.7	27.6	37.2	30.1	9.9
85°	0.0	0.0	3.8	6.8	6.6	3.8	6.3	6.8	10.1	15.1	3.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	1.6	3.0	1.6
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°	305.5	305.5	305.5	305.5	305.5	305.5	305.5	305.5	305.5	305.5	305.5
2.5°	306.6	304.6	306.8	305.7	306.8	306.6	304.4	303.0	303.0	300.5	299.7
5°	310.4	308.5	309.0	306.6	306.0	304.6	301.9	300.8	300.8	298.3	297.5
7.5°	318.9	315.9	315.3	310.4	308.2	304.4	299.4	297.5	297.3	294.8	294.0
10°	332.3	328.7	326.3	320.0	313.7	306.0	295.6	286.9	281.9	275.4	274.8
12.5°	348.7	344.3	340.5	330.9	320.5	303.3	272.6	240.6	220.9	205.3	206.4
15°	367.1	362.9	356.9	342.4	321.1	276.2	212.1	162.9	138.8	125.9	125.4
17.5°	387.0	381.0	371.2	351.4	303.8	211.0	138.0	97.4	84.9	80.5	79.4
20°	405.6	398.3	385.9	353.4	254.0	142.9	86.2	75.5	73.4	72.0	72.0
22.5°	425.4	416.0	397.7	338.6	188.9	91.4	73.4	70.9	69.2	67.3	67.1
25°	445.3	433.3	408.4	300.0	123.7	72.0	68.7	66.0	63.0	59.9	59.1
27.5°	462.3	446.7	416.6	242.5	79.4	64.9	62.7	58.0	53.9	50.6	50.1
30°	482.6	462.6	420.2	177.4	62.4	57.2	53.9	49.0	44.1	40.8	39.7
32.5°	509.7	487.8	414.7	115.5	55.3	50.4	45.2	39.4	34.5	30.9	30.4
35°	551.8	525.8	389.5	73.6	50.1	43.5	37.2	31.2	27.1	24.4	23.8
37.5°	603.3	579.2	348.2	55.3	44.9	37.8	30.4	24.6	21.6	19.7	19.2
40°	679.6	646.0	297.0	48.4	39.7	32.0	24.9	20.3	18.1	16.4	15.9
42.5°	778.7	724.8	238.1	44.1	34.8	26.8	20.3	16.7	14.8	13.7	13.4
45°	894.5	801.7	176.0	39.7	30.1	22.2	16.7	13.7	12.3	11.5	11.2
47.5°	1013.0	869.0	121.5	35.0	25.7	18.3	14.0	11.8	10.7	9.6	9.3
50°	1139.5	926.0	82.9	30.4	21.9	15.1	12.0	10.7	9.3	8.5	8.2
52.5°	1232.3	947.1	57.8	26.3	18.6	12.9	10.7	9.6	8.5	7.4	7.1
55°	1317.9	946.5	43.8	22.2	15.9	11.2	9.6	8.5	7.4	6.6	6.3
57.5°	1403.3	939.1	34.5	18.9	13.7	10.1	8.5	7.4	6.8	5.7	5.5
60°	1458.6	911.2	26.8	15.9	11.8	8.8	7.4	6.6	5.7	4.9	4.7
62.5°	1487.9	872.3	20.5	12.6	9.6	7.7	6.6	5.7	4.9	4.1	3.8
65°	1448.2	803.4	16.1	9.9	7.4	6.6	5.5	4.7	3.8	3.0	2.7
67.5°	1272.2	677.4	12.6	7.9	5.7	4.9	4.7	3.8	2.7	2.2	1.9
70°	899.2	463.9	9.9	6.0	4.4	3.8	3.6	3.0	2.2	1.6	1.4
72.5°	493.5	234.0	7.1	4.4	3.3	3.0	2.7	2.5	1.9	1.4	1.4
75°	190.0	64.3	5.2	3.0	2.2	2.2	1.9	1.9	1.6	1.1	1.1
77.5°	49.5	19.2	3.3	1.9	1.4	1.4	1.4	1.1	1.1	0.8	0.8
80°	15.9	6.3	1.9	1.4	1.1	0.8	0.8	0.5	0.8	0.5	0.5
82.5°	5.2	2.2	1.1	1.1	0.8	0.5	0.5	0.3	0.3	0.0	0.0
85°	1.9	1.1	0.8	0.5	0.5	0.5	0.3	0.0	0.0	0.0	0.0
87.5°	1.1	0.5	0.5	0.5	0.5	0.3	0.0	0.0	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)