

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: P630612

Luminaire Tested: GWS-SA1E-722-U-SL4-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630612  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1E-722-U-SL4-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

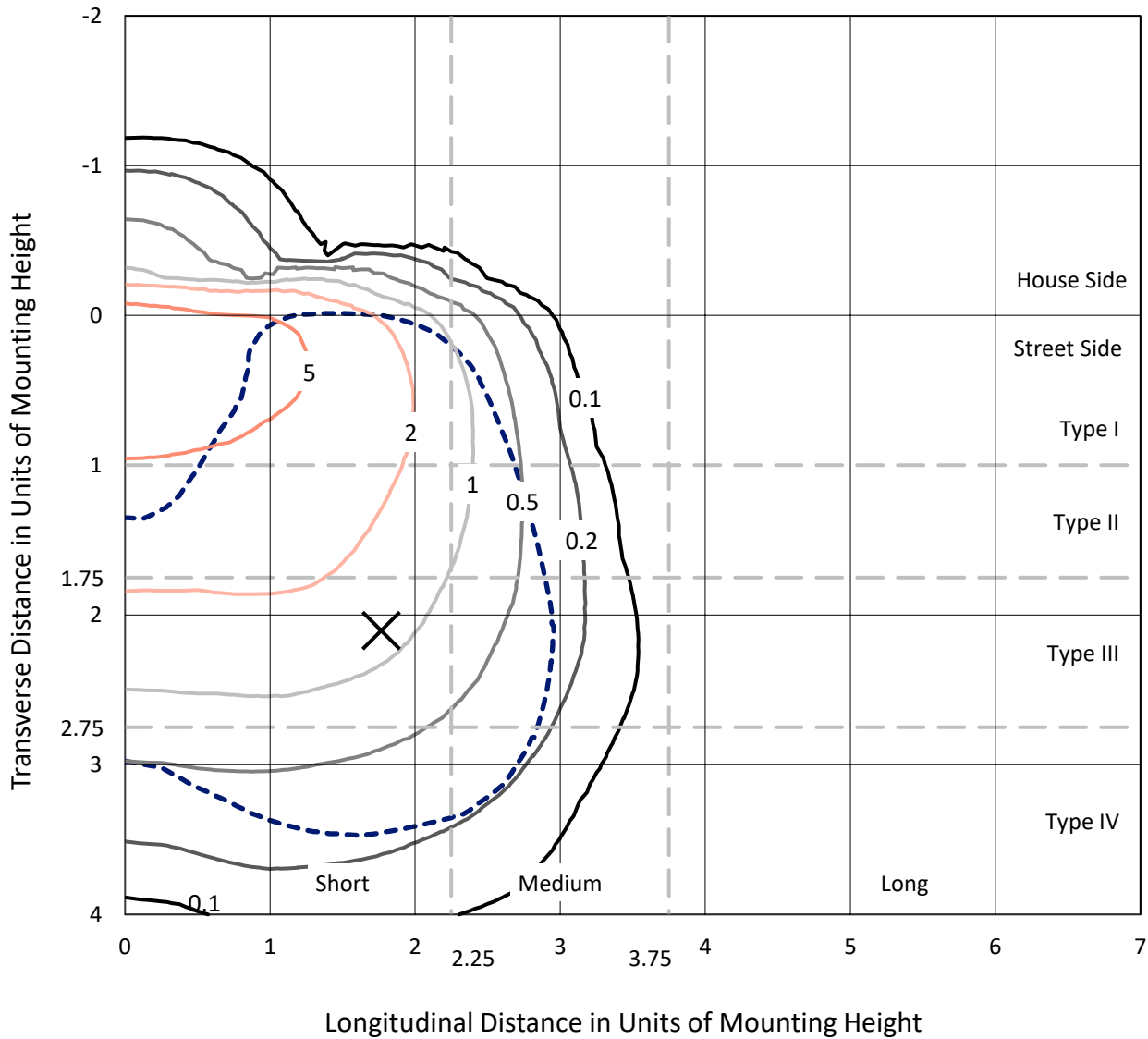
Lumens per Lamp: N/A  
Luminaire Lumens: 4397.8 lumens  
Efficiency: N/A  
Efficacy: 75.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

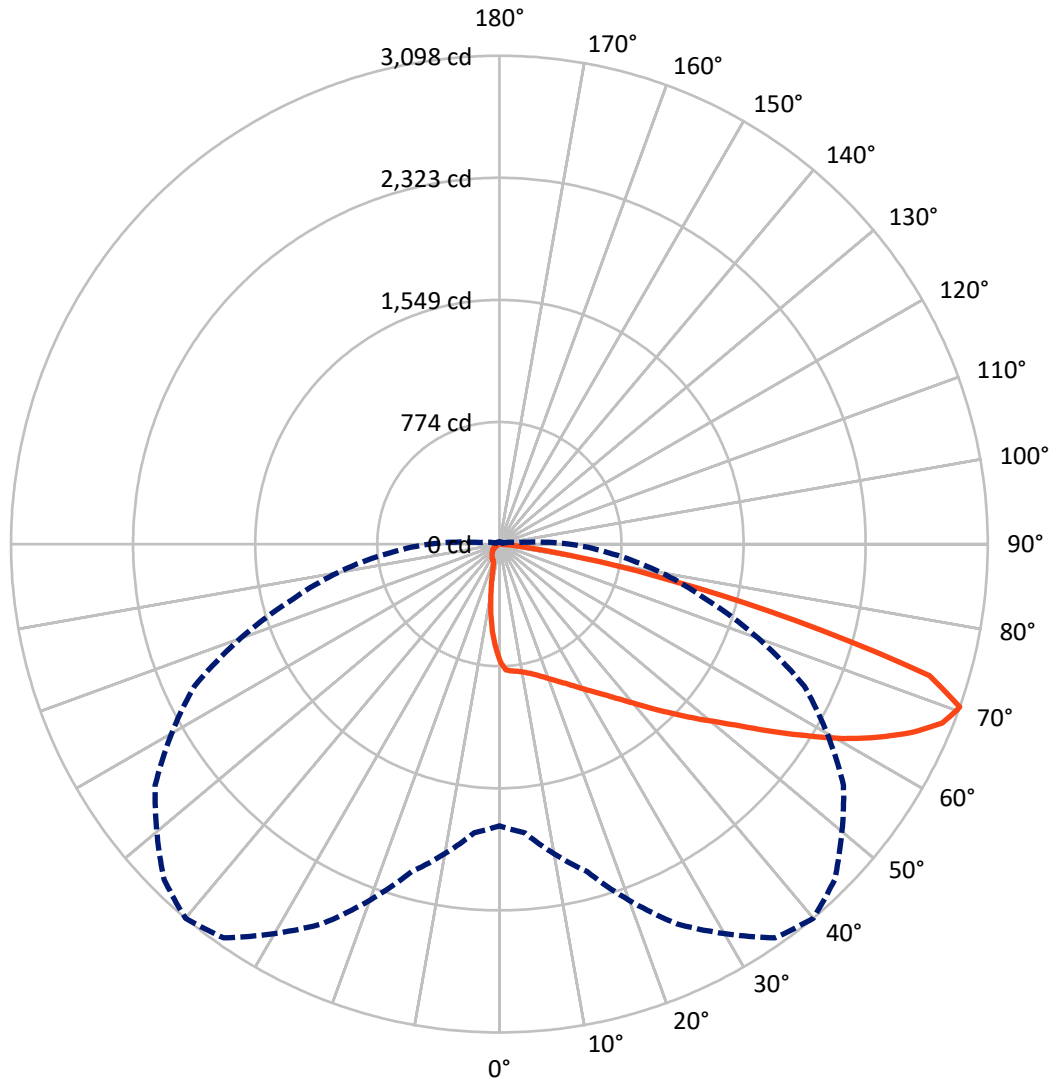
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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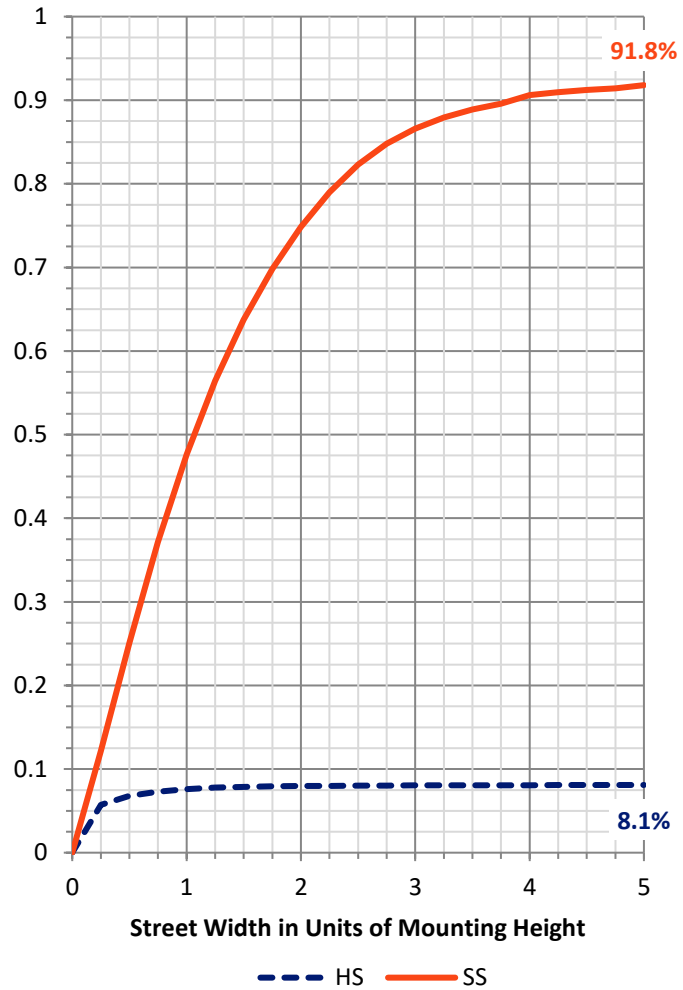
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	359.6	0.0	359.6
	% Fixture	8.2	0.0	8.2
<b>Street Side</b>	Lumens	4038.2	0.0	4038.2
	% Fixture	91.8	0.0	91.8
<b>Total</b>	Lumens	4397.8	0.0	4397.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.1	1.4
10°-20°	160.0	3.6
20°-30°	267.7	6.1
30°-40°	420.5	9.6
40°-50°	665.1	15.1
50°-60°	970.3	22.1
60°-70°	1202.8	27.4
70°-80°	608.5	13.8
80°-90°	39.7	0.9
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°	4397.8	100.0
0°-180°	4397.8	100.0

**Coefficient of Utilization**



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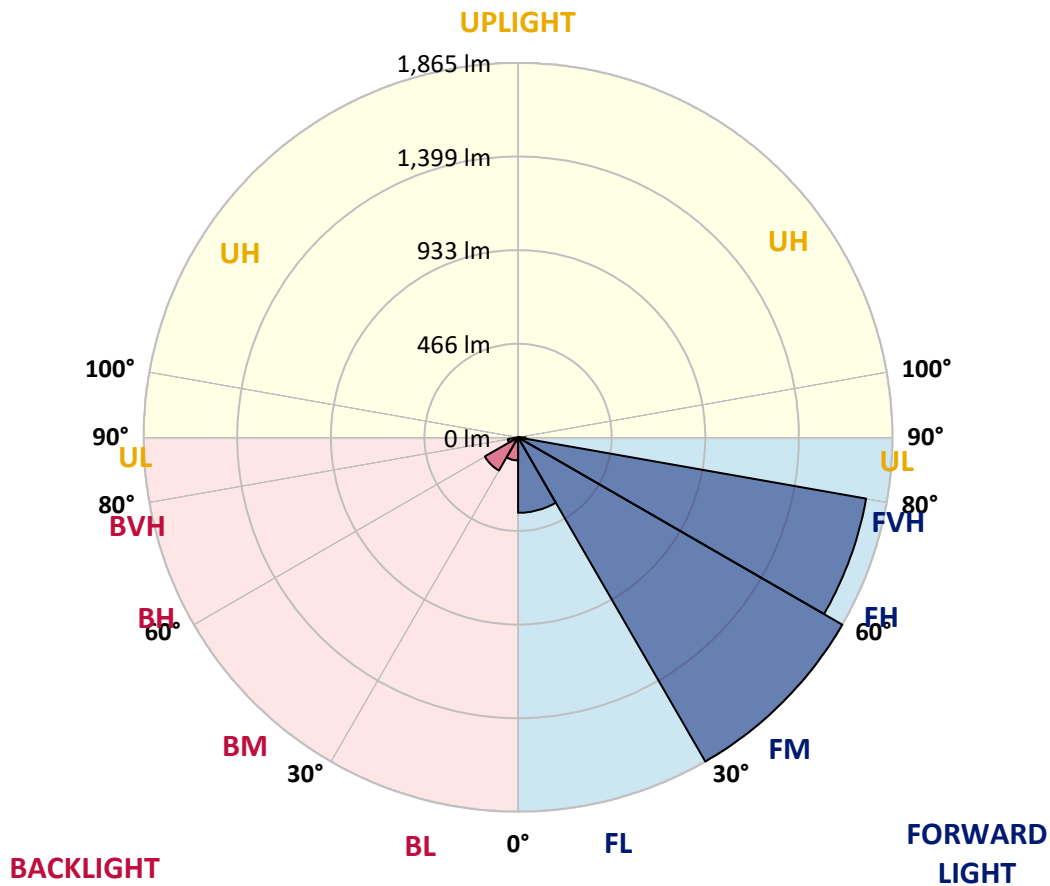
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	375.9	8.5			
FM (30°-60°)	1865.1	42.4			
FH (60°-80°)	1760.1	40.0			G1/1800
FVH (80°-90°)	37.1	0.8			G1/100
BL (0°-30°)	114.8	2.6	B1/500		
BM (30°-60°)	190.9	4.3	B0/220		
BH (60°-80°)	51.3	1.2	B0/110		G0/110
BVH (80°-90°)	2.6	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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	746.3	746.3	746.3	746.3	746.3	746.3	746.3	746.3	746.3	746.3	746.3
2.5°	802.3	805.1	804.7	805.9	803.1	798.7	797.9	791.9	781.1	767.5	752.3
5°	818.7	821.9	819.5	818.3	813.1	808.3	807.1	800.7	788.3	769.9	743.5
7.5°	832.7	833.5	831.9	829.1	821.5	815.1	810.7	801.9	787.1	768.7	738.3
10°	835.1	834.7	835.5	835.9	831.1	825.5	821.9	809.9	791.1	771.5	738.7
12.5°	832.3	832.3	837.5	843.5	843.5	840.7	837.1	826.3	804.3	781.1	746.7
15°	835.9	837.1	847.1	858.3	861.9	859.1	857.5	846.3	823.5	797.9	761.1
17.5°	848.7	849.9	865.9	882.7	887.1	883.9	880.7	869.5	845.1	817.1	777.5
20°	867.5	870.7	891.1	912.7	916.7	912.7	906.3	890.7	866.3	837.9	793.1
22.5°	901.9	903.9	925.9	948.7	950.7	944.3	934.7	913.1	887.5	859.9	810.7
25°	947.5	950.3	972.3	994.3	989.1	979.5	966.3	941.9	912.7	885.9	833.1
27.5°	1001.9	1005.1	1026.7	1046.0	1032.4	1021.1	1006.3	975.9	946.3	921.9	861.9
30°	1060.8	1063.6	1082.8	1100.0	1082.0	1068.8	1051.2	1019.9	989.9	971.5	902.7
32.5°	1117.6	1117.2	1135.6	1149.6	1131.2	1120.8	1104.8	1073.2	1049.2	1041.2	963.5
35°	1170.4	1170.4	1185.6	1199.6	1186.4	1180.8	1166.0	1140.8	1127.2	1136.8	1044.8
37.5°	1223.6	1220.8	1235.2	1250.8	1249.6	1250.0	1241.6	1229.6	1230.4	1264.4	1156.4
40°	1267.6	1266.4	1283.2	1303.6	1319.6	1332.5	1327.3	1331.7	1356.9	1420.5	1299.2
42.5°	1302.8	1305.6	1327.3	1359.7	1400.1	1426.1	1429.7	1447.7	1512.5	1610.9	1460.5
45°	1343.3	1343.7	1373.7	1423.3	1487.7	1528.9	1543.3	1589.7	1681.8	1808.6	1637.4
47.5°	1392.9	1388.1	1421.7	1491.3	1584.5	1645.4	1671.0	1729.0	1871.4	2001.5	1781.4
50°	1447.7	1438.9	1476.9	1571.7	1693.0	1769.0	1821.0	1905.8	2059.5	2159.9	1888.6
52.5°	1511.3	1502.9	1546.1	1664.2	1823.0	1915.5	1982.3	2067.9	2220.8	2280.8	1952.7
55°	1592.1	1583.7	1629.4	1775.0	1976.7	2096.7	2166.7	2238.8	2370.8	2370.0	1999.1
57.5°	1681.8	1670.2	1733.4	1915.1	2168.3	2293.2	2364.4	2399.6	2484.8	2439.2	2030.3
60°	1784.6	1774.2	1861.8	2081.9	2389.6	2505.3	2550.1	2535.7	2578.5	2480.0	2019.5
62.5°	1877.4	1872.6	1981.5	2258.8	2600.5	2698.1	2710.5	2647.7	2647.3	2480.8	1946.7
65°	1973.9	1983.1	2144.7	2462.4	2812.6	2878.2	2857.0	2758.9	2674.9	2382.8	1731.4
67.5°	2009.9	2036.7	2252.4	2646.5	2979.8	3031.0	2993.8	2814.6	2560.1	2053.1	1318.4
70°	1787.4	1837.8	2150.7	2656.9	3049.0	3097.9	3008.6	2664.9	2134.3	1360.1	722.2
72.5°	1359.3	1418.1	1792.2	2175.5	2742.1	2853.4	2700.9	2171.1	1375.7	595.8	242.5
75°	760.7	824.3	1334.9	1638.2	1841.0	1942.7	1886.6	1392.9	609.4	155.7	72.4
77.5°	257.3	278.5	621.0	1013.5	1215.2	1124.0	951.5	691.8	224.1	59.2	38.4
80°	152.5	160.5	231.3	504.6	639.4	530.2	418.5	255.7	114.0	31.6	26.8
82.5°	45.6	54.0	127.6	187.3	250.5	156.1	132.0	146.0	59.2	17.2	22.4
85°	0.0	0.0	27.2	58.0	65.6	25.6	25.6	82.8	10.8	7.2	16.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	2.0	1.2	1.6	3.6
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°	746.3	746.3	746.3	746.3	746.3	746.3	746.3	746.3	746.3	746.3	746.3
2.5°	741.5	727.4	711.0	695.4	680.6	661.4	652.2	641.0	631.4	626.2	629.0
5°	726.6	704.6	671.0	637.0	602.6	570.2	541.0	521.4	503.8	494.6	496.6
7.5°	713.8	684.2	631.8	576.2	521.0	465.4	420.1	384.9	357.7	346.5	344.5
10°	708.2	671.0	597.0	517.0	432.1	357.3	293.3	254.5	226.9	213.3	215.7
12.5°	711.0	664.2	567.4	459.0	348.9	261.7	200.5	164.1	144.4	136.4	134.4
15°	719.0	662.6	541.0	399.7	269.3	182.9	138.4	123.6	119.6	118.8	118.8
17.5°	728.2	663.0	513.8	339.7	204.5	135.6	118.4	115.6	114.4	113.6	114.0
20°	737.5	663.0	482.6	278.9	153.7	117.2	112.8	110.8	109.6	109.2	109.2
22.5°	748.7	663.0	447.8	222.5	123.2	111.2	107.6	106.4	105.2	104.8	104.4
25°	762.3	663.4	409.3	174.1	112.0	106.0	103.2	102.0	100.8	100.0	100.0
27.5°	781.9	666.6	366.9	135.6	105.6	101.2	98.8	97.6	96.4	95.2	95.2
30°	810.3	674.6	319.3	112.0	99.6	96.0	93.6	92.8	91.6	90.4	90.0
32.5°	852.7	688.6	270.1	100.4	94.0	90.4	87.6	86.8	85.6	84.4	84.0
35°	911.9	714.2	222.1	93.2	86.8	83.2	81.6	81.2	79.6	78.4	78.4
37.5°	998.7	755.9	176.1	86.0	80.8	78.0	76.0	75.2	73.6	72.4	72.0
40°	1104.8	809.9	136.8	80.4	75.2	72.4	70.4	69.2	67.2	65.6	64.8
42.5°	1240.0	875.9	108.0	74.4	70.0	67.2	65.6	63.2	60.4	58.0	57.6
45°	1380.9	943.9	89.2	68.8	65.2	62.8	60.8	57.6	53.6	50.8	50.0
47.5°	1488.9	986.3	78.0	62.8	60.0	58.0	55.6	51.6	46.8	43.6	42.8
50°	1566.1	992.7	69.6	57.2	55.6	53.6	50.0	45.2	40.0	36.8	36.0
52.5°	1604.1	963.9	62.8	52.0	50.8	48.8	44.4	39.2	33.6	30.4	29.6
55°	1621.4	909.5	56.4	47.6	46.0	43.6	38.8	33.2	27.6	24.8	24.0
57.5°	1614.5	829.1	50.8	43.2	41.2	38.4	33.2	27.2	22.8	20.0	19.6
60°	1564.1	716.2	45.2	38.8	36.4	33.2	28.0	22.4	18.4	16.4	16.0
62.5°	1455.3	576.2	39.6	33.6	32.0	28.8	24.0	18.4	15.2	14.0	13.6
65°	1232.4	407.3	34.0	28.4	27.6	24.4	20.0	15.2	13.2	12.4	12.0
67.5°	885.9	247.7	28.8	24.4	23.6	20.8	16.8	13.2	12.0	11.6	11.6
70°	445.4	117.2	22.8	20.0	20.0	17.2	14.4	12.0	11.6	11.2	11.2
72.5°	151.3	50.0	17.2	15.6	16.4	14.8	12.4	11.2	11.2	11.2	11.2
75°	51.6	26.4	12.0	11.2	12.0	12.0	10.8	10.8	11.2	11.2	11.2
77.5°	33.6	17.6	8.4	7.6	9.2	9.2	9.2	10.0	10.8	10.8	10.8
80°	27.6	9.6	5.6	5.2	6.8	6.8	7.6	9.2	10.0	10.0	10.0
82.5°	23.6	6.0	3.2	3.6	4.8	5.2	6.4	7.6	8.8	9.2	9.2
85°	16.0	3.2	2.4	2.8	3.2	4.0	5.2	6.4	7.2	8.0	8.0
87.5°	4.4	1.2	1.6	2.0	2.0	2.8	4.0	4.8	5.6	6.0	6.0
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)