

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: P630058

Luminaire Tested: GWS-SA1C-830-U-SL3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630058  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-830-U-SL3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

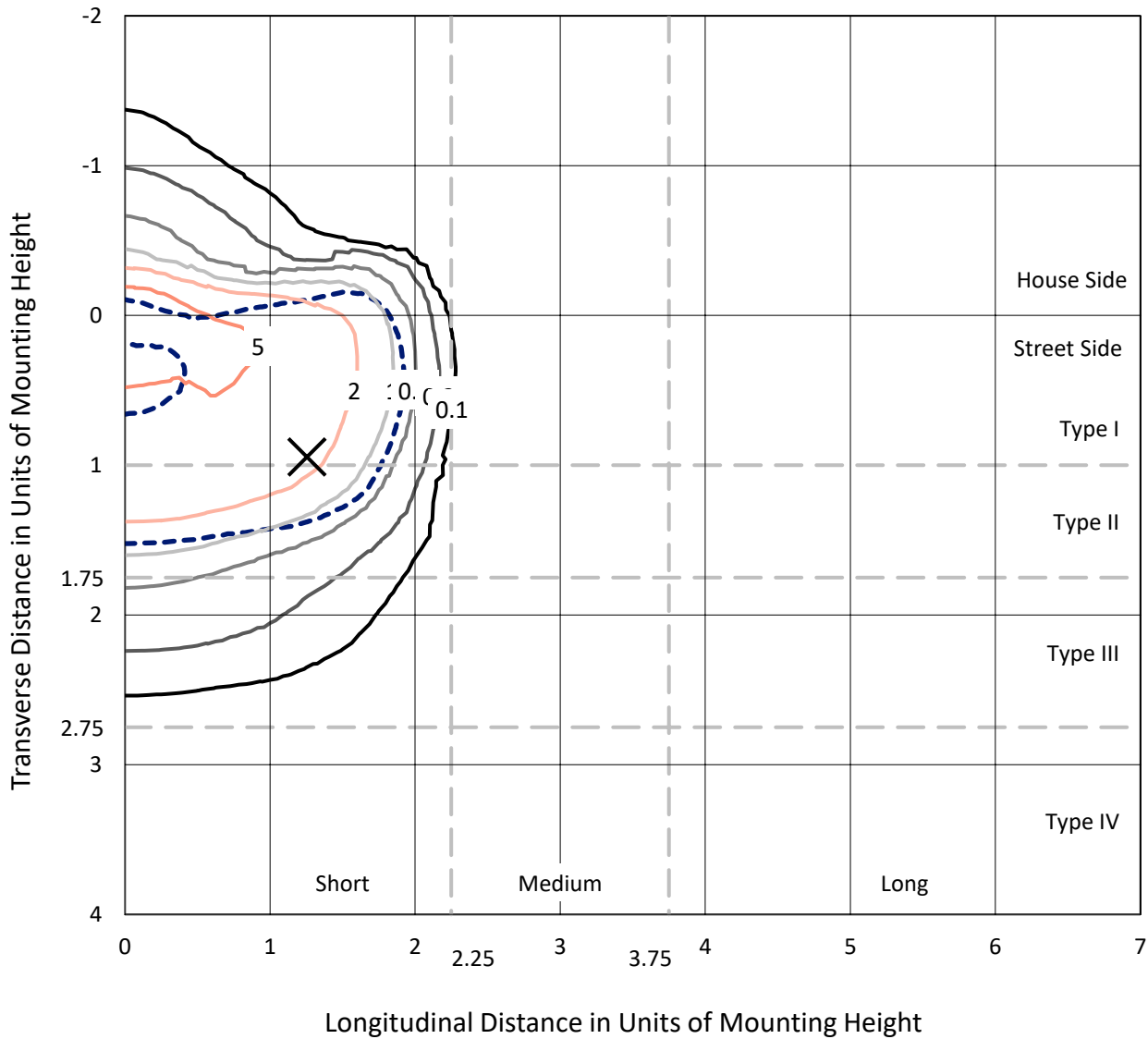
Lumens per Lamp: N/A  
Luminaire Lumens: 2233.3 lumens  
Efficiency: N/A  
Efficacy: 65.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

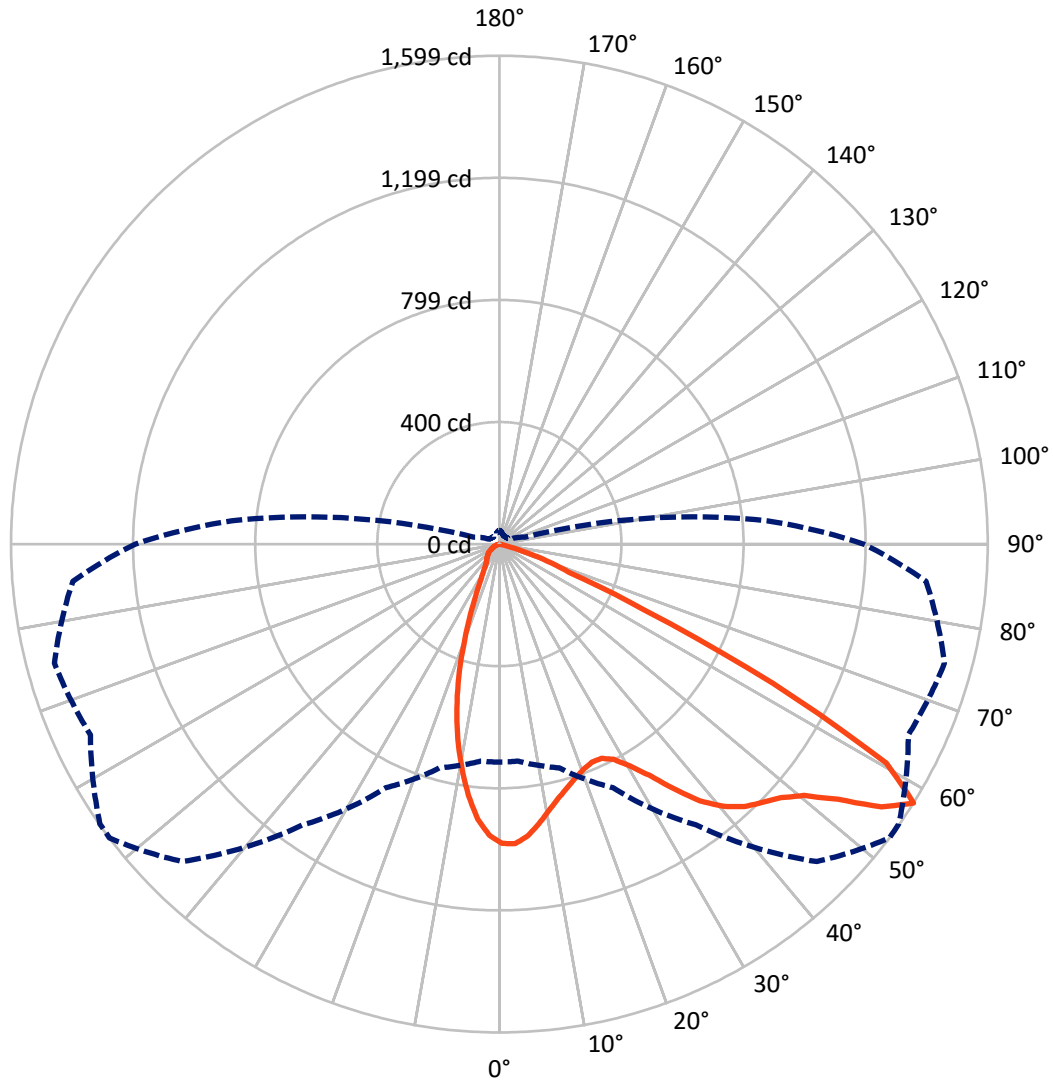
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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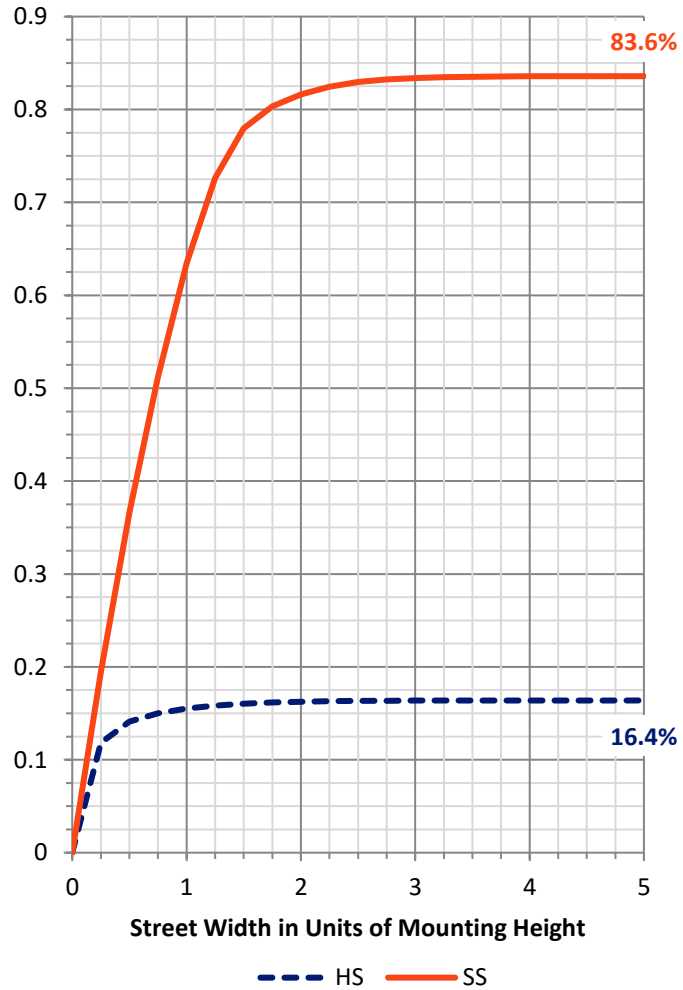
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	368.9	0.0	368.9
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	1864.4	0.0	1864.4
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	2233.3	0.0	2233.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.8	3.8
10°-20°	184.0	8.2
20°-30°	239.7	10.7
30°-40°	347.7	15.6
40°-50°	501.7	22.5
50°-60°	606.8	27.2
60°-70°	247.3	11.1
70°-80°	22.2	1.0
80°-90°	0.0	0.0
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°	2233.3	100.0
0°-180°	2233.3	100.0

**Coefficient of Utilization**



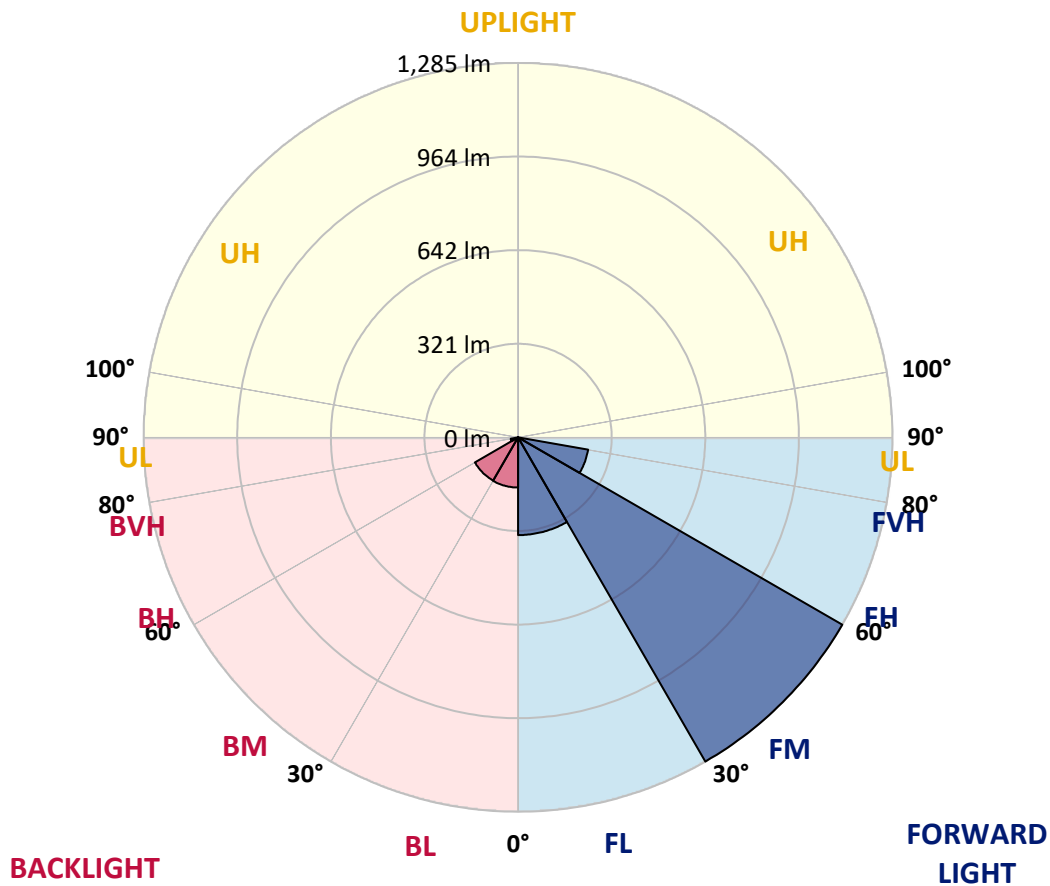
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	335.4	15.0			
FM (30°-60°)	1285.0	57.5			
FH (60°-80°)	244.0	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	172.2	7.7	B1/500		
BM (30°-60°)	171.2	7.7	B0/220		
BH (60°-80°)	25.5	1.1	B0/110		G0/110
BVH (80°-90°)	0.0	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-G0**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	979.7	979.7	979.7	979.7	979.7	979.7	979.7	979.7	979.7	979.7	979.7
2.5°	966.0	968.2	972.0	976.9	980.2	981.8	981.8	986.5	983.5	981.0	978.3
5°	924.6	926.8	932.0	940.0	947.9	953.6	960.2	965.1	967.1	967.1	962.4
7.5°	866.3	869.3	872.6	883.6	900.8	913.7	924.9	932.0	942.4	945.7	939.1
10°	803.6	806.7	814.1	829.1	848.8	868.0	887.1	896.2	914.0	923.3	915.9
12.5°	750.5	751.9	761.8	779.8	805.0	831.3	854.6	863.9	889.1	903.0	894.3
15°	706.8	707.6	717.4	737.4	766.4	798.7	828.0	837.6	868.5	889.6	876.5
17.5°	673.6	673.9	682.4	704.0	734.4	770.3	805.0	816.8	856.8	882.2	862.5
20°	656.9	656.1	662.1	681.0	709.8	745.6	786.7	801.2	850.2	881.1	851.8
22.5°	657.2	655.3	657.8	671.2	695.5	729.2	775.2	791.6	850.7	885.8	842.8
25°	672.8	670.1	670.6	677.7	695.0	725.6	776.8	794.3	861.7	901.4	839.5
27.5°	699.1	696.1	696.1	699.6	708.9	736.9	797.4	817.3	891.0	931.8	846.3
30°	733.0	730.0	728.9	732.5	740.1	765.9	843.1	863.9	941.1	981.6	868.2
32.5°	771.9	768.3	770.3	775.2	782.6	818.2	901.9	929.6	1003.7	1048.6	907.7
35°	813.0	809.9	818.7	829.4	840.9	890.7	983.2	1007.3	1080.7	1132.1	967.9
37.5°	852.1	850.7	869.1	891.5	915.3	977.7	1065.9	1084.5	1146.6	1223.0	1041.5
40°	891.2	891.0	922.4	961.9	999.9	1064.5	1128.6	1143.9	1186.9	1293.6	1112.1
42.5°	935.0	935.0	978.6	1031.1	1081.8	1137.9	1174.5	1181.4	1204.9	1334.4	1165.2
45°	976.9	979.4	1029.7	1090.8	1150.7	1195.1	1206.3	1206.8	1212.3	1358.5	1209.3
47.5°	1010.0	1012.2	1072.4	1142.8	1207.4	1238.6	1240.2	1237.8	1231.8	1381.5	1243.2
50°	1036.9	1040.1	1103.1	1177.6	1246.3	1280.5	1293.1	1290.6	1275.3	1406.1	1267.1
52.5°	1050.0	1054.7	1113.8	1194.8	1289.5	1352.2	1387.2	1393.0	1340.4	1419.8	1289.8
55°	944.9	951.7	1006.2	1117.1	1313.6	1463.0	1518.1	1517.0	1411.0	1460.6	1345.1
57.5°	713.6	713.0	758.2	879.5	1122.0	1469.3	1598.5	1596.3	1477.0	1507.9	1401.7
60°	485.9	482.6	494.6	553.2	784.5	1197.0	1454.8	1484.4	1430.2	1393.0	1190.1
62.5°	399.9	396.9	393.1	376.9	450.5	745.6	1005.1	1050.0	1042.9	968.2	746.4
65°	327.4	329.8	340.5	333.7	313.4	382.4	521.7	548.3	501.2	421.8	260.9
67.5°	241.4	242.5	256.5	292.6	281.7	254.6	245.5	249.9	146.4	67.3	43.5
70°	142.6	143.4	156.3	204.7	228.6	195.4	165.9	163.4	58.0	18.1	19.7
72.5°	80.7	79.1	81.6	97.4	124.5	103.7	85.4	77.7	17.5	10.1	10.1
75°	38.3	37.2	32.0	30.1	27.4	17.5	10.9	9.3	4.4	4.1	4.1
77.5°	0.3	0.8	0.5	0.8	0.8	0.5	0.3	0.3	0.8	0.8	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	979.7	979.7	979.7	979.7	979.7	979.7	979.7	979.7	979.7	979.7	979.7
2.5°	973.4	965.1	963.2	962.7	955.0	946.8	938.3	935.0	930.1	927.1	929.6
5°	955.0	943.2	932.8	923.3	906.3	887.7	871.5	861.1	851.3	844.7	846.3
7.5°	929.0	913.7	889.9	865.5	834.3	806.4	775.2	756.0	738.2	728.4	733.0
10°	901.4	881.1	843.1	801.7	752.7	708.9	664.3	627.9	606.8	586.9	589.1
12.5°	874.3	847.4	790.5	727.8	666.0	601.4	534.0	483.7	449.2	424.3	420.4
15°	849.1	814.6	739.3	656.7	572.4	486.4	400.5	328.5	288.5	263.9	262.2
17.5°	826.6	783.9	686.2	582.2	476.6	366.5	267.7	213.8	190.8	180.1	179.0
20°	805.0	753.0	632.0	506.7	372.0	257.3	184.8	159.9	152.5	148.1	148.6
22.5°	784.2	719.3	575.1	422.9	278.9	180.7	143.2	133.6	132.8	133.3	133.6
25°	766.7	688.4	516.5	342.2	199.0	137.7	119.6	116.9	119.3	122.9	123.4
27.5°	757.7	663.2	459.3	260.9	144.0	112.0	103.7	104.8	109.2	113.0	113.6
30°	760.1	644.3	400.2	189.1	110.9	94.4	91.7	93.9	98.3	101.8	102.4
32.5°	777.6	634.8	339.7	137.7	91.1	82.4	81.3	82.9	86.8	89.5	89.8
35°	812.4	637.0	282.2	105.4	78.3	73.4	73.1	74.2	76.1	78.0	78.3
37.5°	863.6	654.7	225.5	87.6	70.9	67.3	66.2	66.2	67.6	68.4	69.0
40°	918.6	681.6	180.7	77.5	65.7	61.9	59.7	58.9	59.9	61.0	61.3
42.5°	964.1	708.4	146.7	70.3	61.6	56.4	53.6	53.1	54.5	56.4	56.9
45°	998.8	729.2	122.4	64.6	56.9	51.2	48.2	48.2	50.6	53.9	54.5
47.5°	1030.6	745.9	104.3	59.4	52.6	46.5	43.5	44.1	48.2	52.6	53.4
50°	1052.2	759.3	90.9	54.7	49.0	42.7	40.0	41.1	46.0	51.2	52.0
52.5°	1075.5	775.7	82.1	50.6	45.7	39.7	37.2	38.0	43.5	49.3	50.4
55°	1139.8	830.7	81.8	45.2	40.0	35.6	34.5	34.8	40.2	46.8	48.2
57.5°	1192.3	879.2	87.3	38.0	33.4	31.2	30.7	30.9	35.9	43.2	44.9
60°	986.5	683.2	72.3	31.5	27.9	27.4	26.6	27.1	31.8	38.3	39.7
62.5°	583.9	390.6	34.5	24.1	23.8	23.3	22.4	23.5	27.9	33.7	34.5
65°	199.5	115.8	21.9	19.7	20.3	19.4	18.6	19.7	23.5	26.8	27.1
67.5°	38.3	30.7	17.5	16.4	16.7	15.1	14.8	15.9	18.1	18.6	18.3
70°	20.0	17.8	13.4	13.4	12.9	10.7	10.7	11.8	11.8	10.9	10.7
72.5°	10.4	9.9	8.8	9.9	8.2	6.6	6.6	7.1	6.6	5.5	5.5
75°	4.1	4.1	3.8	4.9	3.6	3.0	2.7	3.3	2.5	1.9	1.9
77.5°	1.1	1.1	1.1	1.4	0.8	0.8	0.5	0.5	0.3	0.0	0.0
80°	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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)