

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: P629459

Luminaire Tested: GWS-SA1B-760-U-SL4-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629459  
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-SA1B-760-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) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

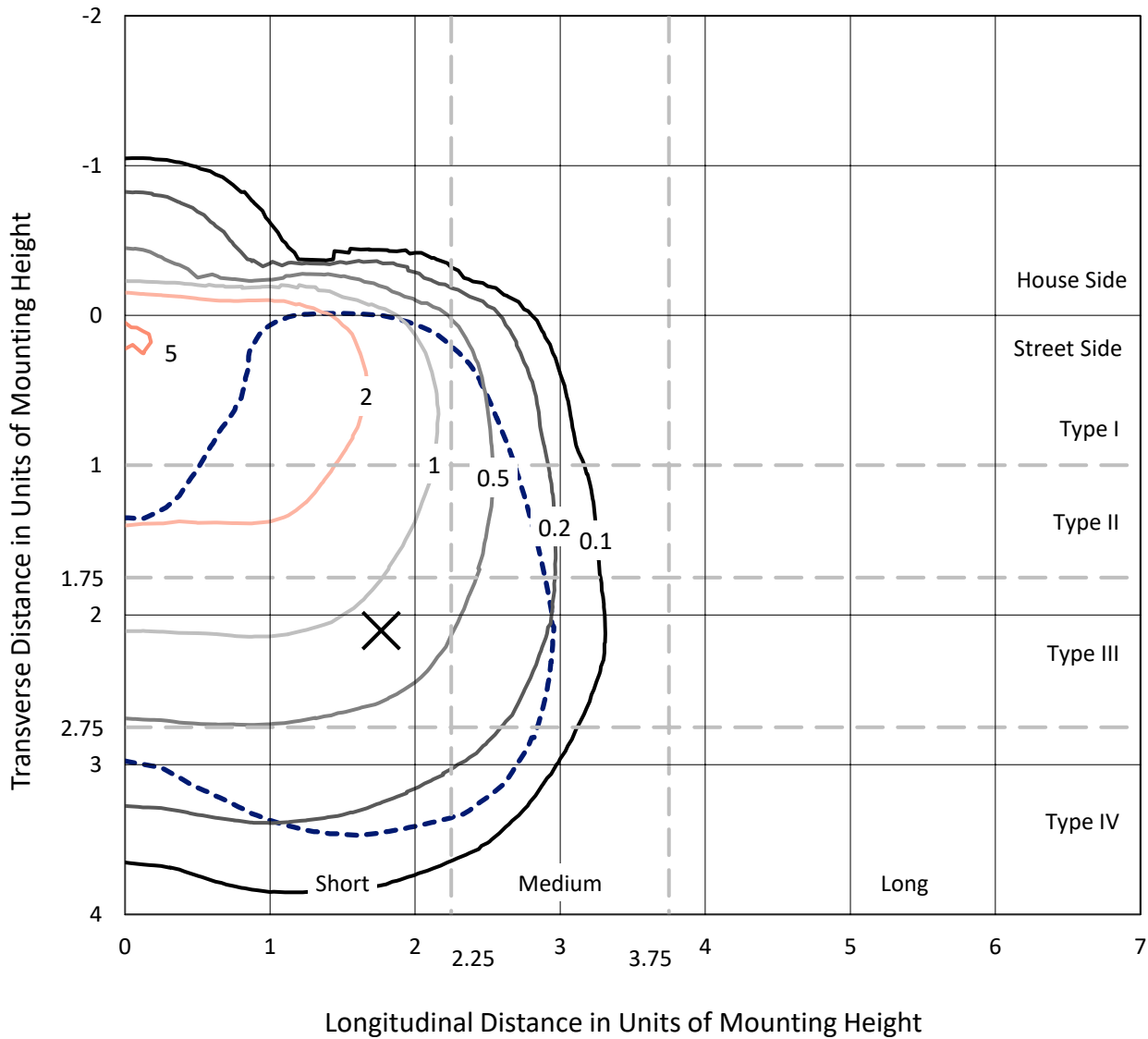
Lumens per Lamp: N/A  
Luminaire Lumens: 2849 lumens  
Efficiency: N/A  
Efficacy: 114.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

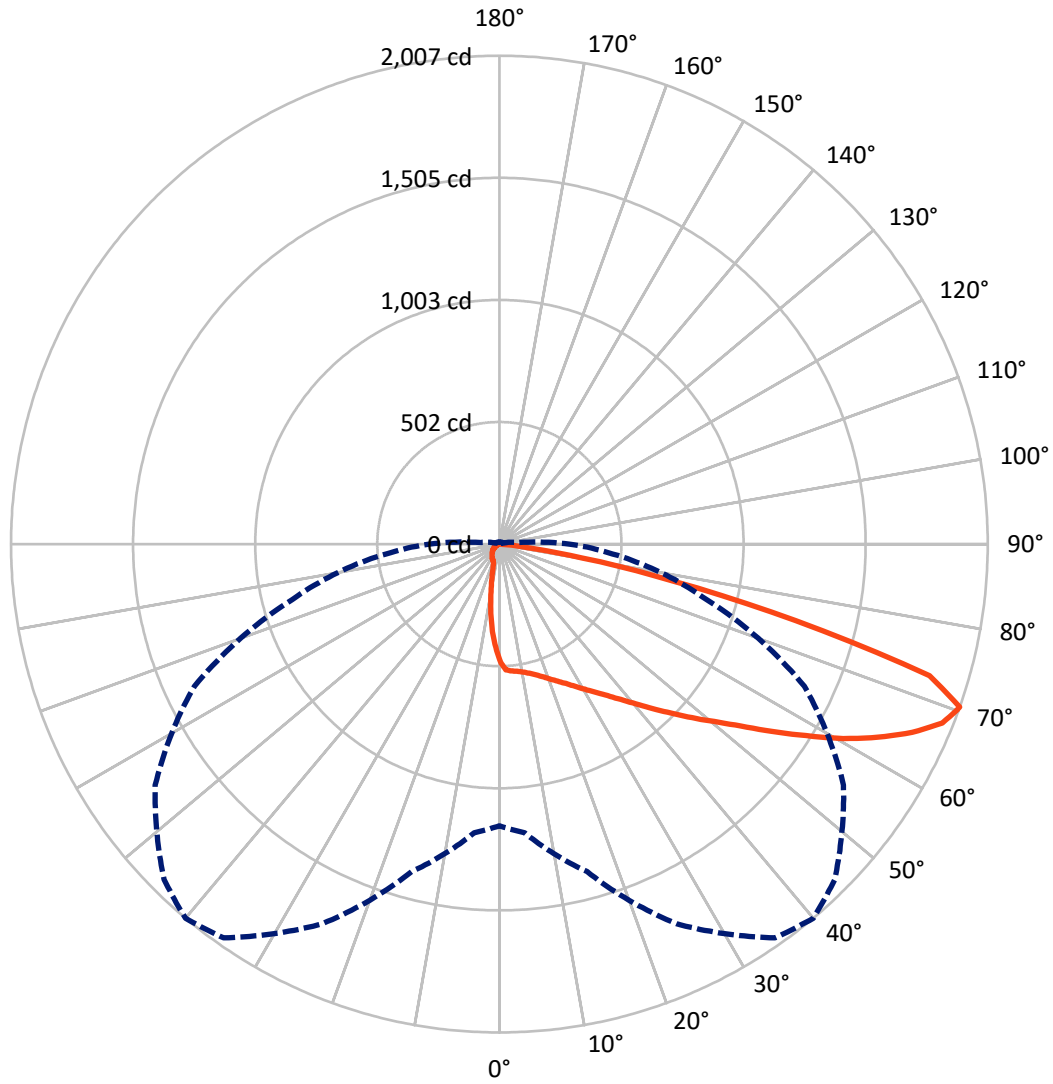
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.3 fc  
 Type IV - Short - N/A

REPORT NUMBER: P629459  
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### Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: GWS-SA1B-760-U-SL4-W-HSS

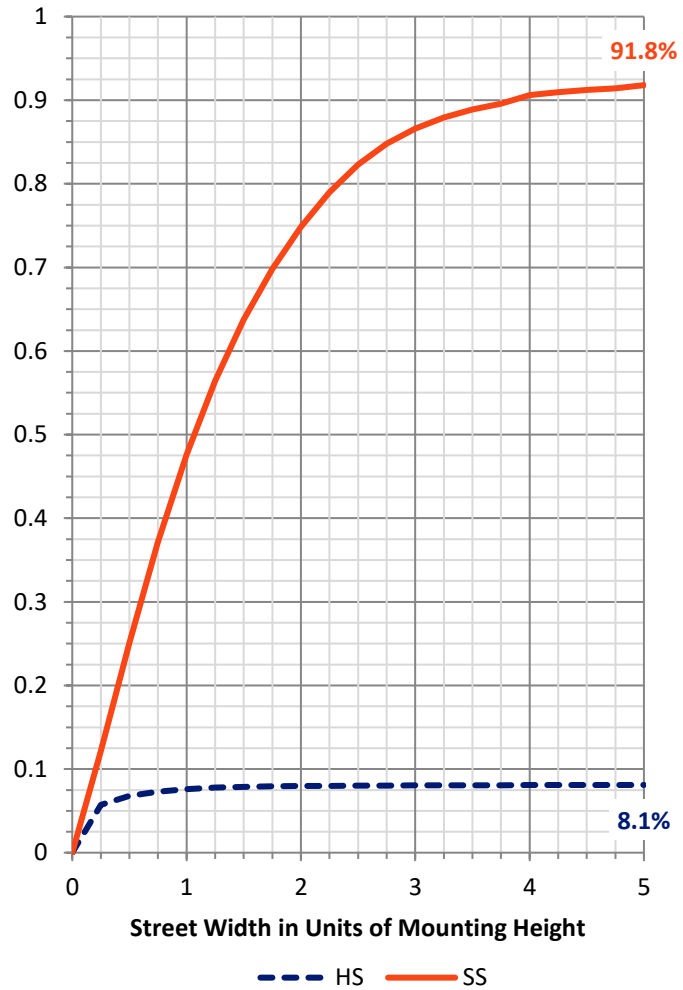
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	233.0	0.0	233.0
	% Fixture	8.2	0.0	8.2
<b>Street Side</b>	Lumens	2616.0	0.0	2616.0
	% Fixture	91.8	0.0	91.8
<b>Total</b>	Lumens	2849.0	0.0	2849.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.9	1.4
10°-20°	103.6	3.6
20°-30°	173.4	6.1
30°-40°	272.4	9.6
40°-50°	430.9	15.1
50°-60°	628.6	22.1
60°-70°	779.2	27.4
70°-80°	394.2	13.8
80°-90°	25.7	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°	2849.0	100.0
0°-180°	2849.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P629459

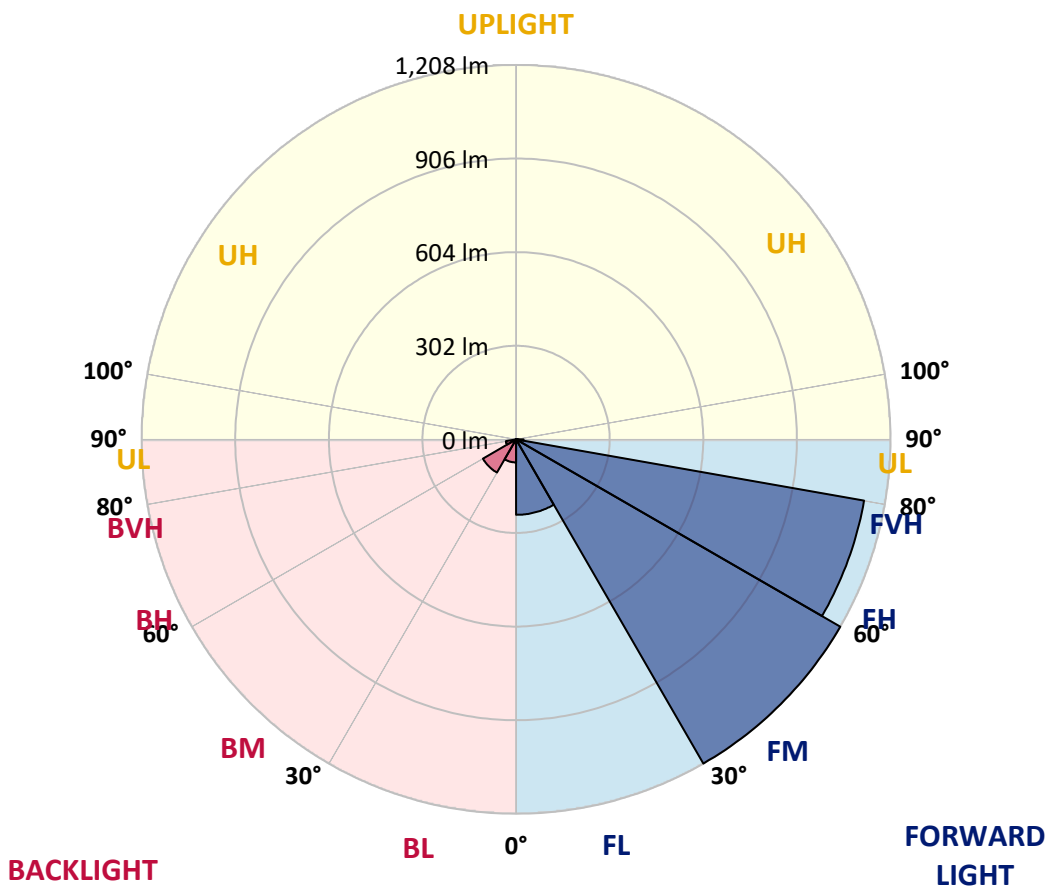
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	243.5	8.5			
FM (30°-60°)	1208.2	42.4			
FH (60°-80°)	1140.2	40.0			G1/1800
FVH (80°-90°)	24.0	0.8			G1/100
BL (0°-30°)	74.4	2.6	B0/110		
BM (30°-60°)	123.7	4.3	B0/220		
BH (60°-80°)	33.2	1.2	B0/110		G0/110
BVH (80°-90°)	1.7	0.1			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 IV Short





REPORT NUMBER: P629459

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	483.4	483.4	483.4	483.4	483.4	483.4	483.4	483.4	483.4	483.4	483.4
2.5°	519.7	521.5	521.3	522.1	520.3	517.4	516.9	513.0	506.0	497.2	487.3
5°	530.4	532.4	530.9	530.1	526.7	523.6	522.8	518.7	510.7	498.7	481.6
7.5°	539.4	540.0	538.9	537.1	532.2	528.0	525.2	519.5	509.9	498.0	478.3
10°	541.0	540.7	541.2	541.5	538.4	534.8	532.4	524.7	512.5	499.8	478.5
12.5°	539.2	539.2	542.5	546.4	546.4	544.6	542.3	535.3	521.0	506.0	483.7
15°	541.5	542.3	548.8	556.0	558.4	556.5	555.5	548.2	533.5	516.9	493.0
17.5°	549.8	550.6	560.9	571.8	574.7	572.6	570.5	563.3	547.5	529.3	503.7
20°	562.0	564.1	577.3	591.3	593.9	591.3	587.1	577.0	561.2	542.8	513.8
22.5°	584.3	585.6	599.8	614.6	615.9	611.8	605.5	591.5	574.9	557.1	525.2
25°	613.8	615.6	629.9	644.2	640.8	634.6	626.0	610.2	591.3	573.9	539.7
27.5°	649.1	651.2	665.2	677.6	668.8	661.5	651.9	632.2	613.1	597.2	558.4
30°	687.2	689.0	701.4	712.6	700.9	692.4	681.0	660.7	641.3	629.4	584.8
32.5°	724.0	723.7	735.7	744.7	732.8	726.1	715.7	695.2	679.7	674.5	624.2
35°	758.2	758.2	768.1	777.1	768.6	765.0	755.4	739.0	730.2	736.4	676.8
37.5°	792.7	790.9	800.2	810.3	809.5	809.8	804.4	796.6	797.1	819.1	749.1
40°	821.2	820.4	831.3	844.5	854.9	863.2	859.8	862.7	879.0	920.2	841.7
42.5°	844.0	845.8	859.8	880.8	907.0	923.9	926.2	937.8	979.8	1043.6	946.1
45°	870.2	870.5	889.9	922.0	963.8	990.5	999.8	1029.9	1089.5	1171.7	1060.7
47.5°	902.3	899.2	921.0	966.1	1026.5	1065.9	1082.5	1120.1	1212.4	1296.6	1154.0
50°	937.8	932.1	956.8	1018.2	1096.8	1146.0	1179.7	1234.7	1334.2	1399.3	1223.5
52.5°	979.1	973.6	1001.6	1078.1	1181.0	1240.9	1284.2	1339.6	1438.7	1477.5	1265.0
55°	1031.4	1026.0	1055.5	1149.9	1280.5	1358.3	1403.7	1450.3	1535.9	1535.3	1295.1
57.5°	1089.5	1082.0	1122.9	1240.6	1404.7	1485.6	1531.7	1554.5	1609.7	1580.2	1315.3
60°	1156.1	1149.4	1206.1	1348.7	1548.0	1623.0	1652.0	1642.7	1670.4	1606.6	1308.3
62.5°	1216.2	1213.1	1283.6	1463.3	1684.7	1747.9	1755.9	1715.2	1715.0	1607.2	1261.1
65°	1278.7	1284.7	1389.4	1595.2	1822.0	1864.6	1850.8	1787.3	1732.9	1543.6	1121.6
67.5°	1302.1	1319.4	1459.1	1714.5	1930.4	1963.6	1939.5	1823.3	1658.5	1330.0	854.1
70°	1157.9	1190.6	1393.3	1721.2	1975.2	2006.9	1949.1	1726.4	1382.7	881.1	467.9
72.5°	880.6	918.7	1161.0	1409.4	1776.4	1848.5	1749.7	1406.5	891.2	386.0	157.1
75°	492.8	534.0	864.8	1061.2	1192.7	1258.5	1222.2	902.3	394.8	100.8	46.9
77.5°	166.7	180.4	402.3	656.6	787.2	728.1	616.4	448.2	145.2	38.4	24.9
80°	98.8	103.9	149.8	326.9	414.2	343.5	271.1	165.6	73.9	20.5	17.4
82.5°	29.6	35.0	82.7	121.3	162.3	101.1	85.5	94.6	38.4	11.1	14.5
85°	0.0	0.0	17.6	37.6	42.5	16.6	16.6	53.7	7.0	4.7	10.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.3	0.8	1.0	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P629459  
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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	483.4	483.4	483.4	483.4	483.4	483.4	483.4	483.4	483.4	483.4	483.4
2.5°	480.3	471.3	460.6	450.5	440.9	428.5	422.5	415.3	409.0	405.7	407.5
5°	470.7	456.5	434.7	412.7	390.4	369.4	350.5	337.8	326.4	320.4	321.7
7.5°	462.4	443.3	409.3	373.3	337.5	301.5	272.2	249.4	231.7	224.5	223.2
10°	458.8	434.7	386.8	334.9	280.0	231.5	190.0	164.9	147.0	138.2	139.7
12.5°	460.6	430.3	367.6	297.3	226.0	169.5	129.9	106.3	93.6	88.4	87.1
15°	465.8	429.3	350.5	259.0	174.5	118.5	89.7	80.1	77.5	77.0	77.0
17.5°	471.8	429.5	332.8	220.1	132.5	87.9	76.7	74.9	74.1	73.6	73.9
20°	477.7	429.5	312.6	180.7	99.5	76.0	73.1	71.8	71.0	70.8	70.8
22.5°	485.0	429.5	290.1	144.1	79.8	72.1	69.7	69.0	68.2	67.9	67.7
25°	493.8	429.8	265.2	112.8	72.6	68.7	66.9	66.1	65.3	64.8	64.8
27.5°	506.5	431.9	237.7	87.9	68.4	65.6	64.0	63.2	62.5	61.7	61.7
30°	524.9	437.0	206.9	72.6	64.5	62.2	60.7	60.1	59.4	58.6	58.3
32.5°	552.4	446.1	175.0	65.1	60.9	58.6	56.8	56.3	55.5	54.7	54.4
35°	590.8	462.7	143.9	60.4	56.3	53.9	52.9	52.6	51.6	50.8	50.8
37.5°	647.0	489.7	114.1	55.7	52.4	50.5	49.3	48.7	47.7	46.9	46.7
40°	715.7	524.7	88.7	52.1	48.7	46.9	45.6	44.8	43.5	42.5	42.0
42.5°	803.3	567.4	70.0	48.2	45.4	43.5	42.5	41.0	39.1	37.6	37.3
45°	894.6	611.5	57.8	44.6	42.3	40.7	39.4	37.3	34.7	32.9	32.4
47.5°	964.5	639.0	50.5	40.7	38.9	37.6	36.0	33.4	30.3	28.3	27.7
50°	1014.6	643.1	45.1	37.1	36.0	34.7	32.4	29.3	25.9	23.8	23.3
52.5°	1039.2	624.5	40.7	33.7	32.9	31.6	28.8	25.4	21.8	19.7	19.2
55°	1050.4	589.2	36.5	30.8	29.8	28.3	25.1	21.5	17.9	16.1	15.6
57.5°	1045.9	537.1	32.9	28.0	26.7	24.9	21.5	17.6	14.8	13.0	12.7
60°	1013.3	464.0	29.3	25.1	23.6	21.5	18.1	14.5	11.9	10.6	10.4
62.5°	942.8	373.3	25.7	21.8	20.7	18.7	15.6	11.9	9.9	9.1	8.8
65°	798.4	263.9	22.0	18.4	17.9	15.8	13.0	9.9	8.6	8.0	7.8
67.5°	573.9	160.5	18.7	15.8	15.3	13.5	10.9	8.6	7.8	7.5	7.5
70°	288.5	76.0	14.8	13.0	13.0	11.1	9.3	7.8	7.5	7.3	7.3
72.5°	98.0	32.4	11.1	10.1	10.6	9.6	8.0	7.3	7.3	7.3	7.3
75°	33.4	17.1	7.8	7.3	7.8	7.8	7.0	7.0	7.3	7.3	7.3
77.5°	21.8	11.4	5.4	4.9	6.0	6.0	6.0	6.5	7.0	7.0	7.0
80°	17.9	6.2	3.6	3.4	4.4	4.4	4.9	6.0	6.5	6.5	6.5
82.5°	15.3	3.9	2.1	2.3	3.1	3.4	4.1	4.9	5.7	6.0	6.0
85°	10.4	2.1	1.6	1.8	2.1	2.6	3.4	4.1	4.7	5.2	5.2
87.5°	2.9	0.8	1.0	1.3	1.3	1.8	2.6	3.1	3.6	3.9	3.9
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)