

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: P630798

Luminaire Tested: GWS-SA1E-735-U-T3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630798  
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-SA1E-735-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) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

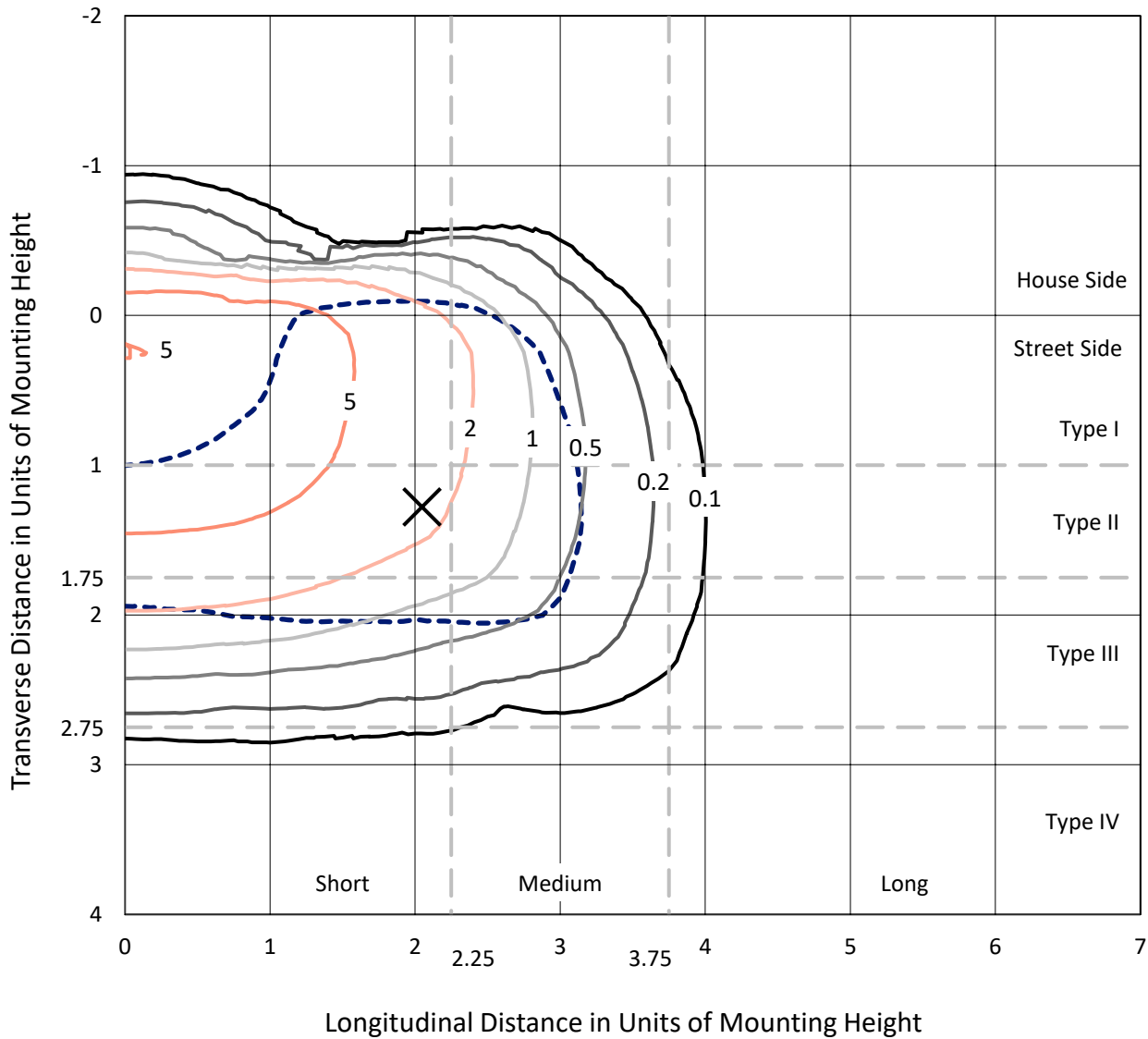
Lumens per Lamp: N/A  
Luminaire Lumens: 5486.8 lumens  
Efficiency: N/A  
Efficacy: 94.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

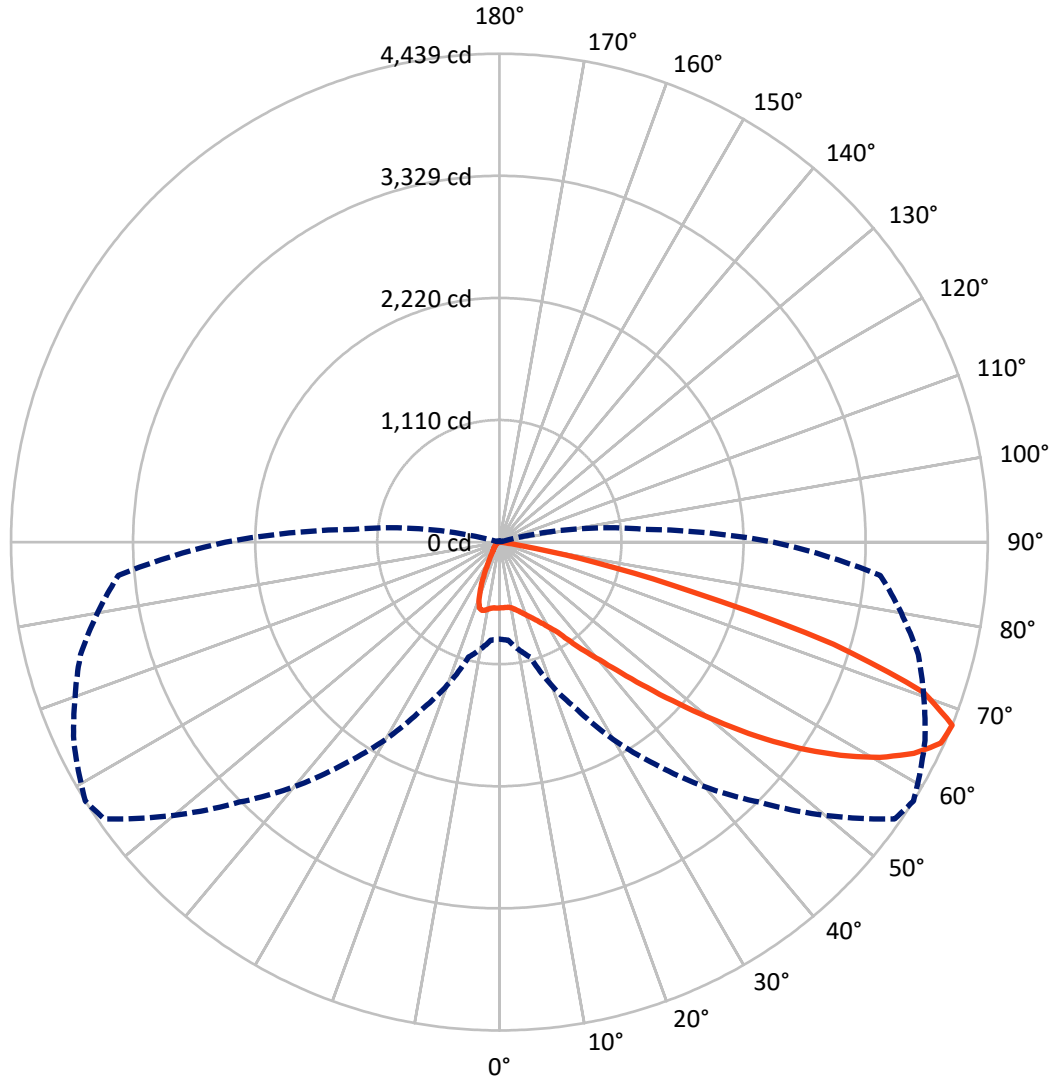
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.3 fc  
 Type III - Short - N/A

REPORT NUMBER: P630798  
CATALOG NUMBER: GWS-SA1E-735-U-T3-W-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P630798

CATALOG NUMBER: GWS-SA1E-735-U-T3-W-HSS

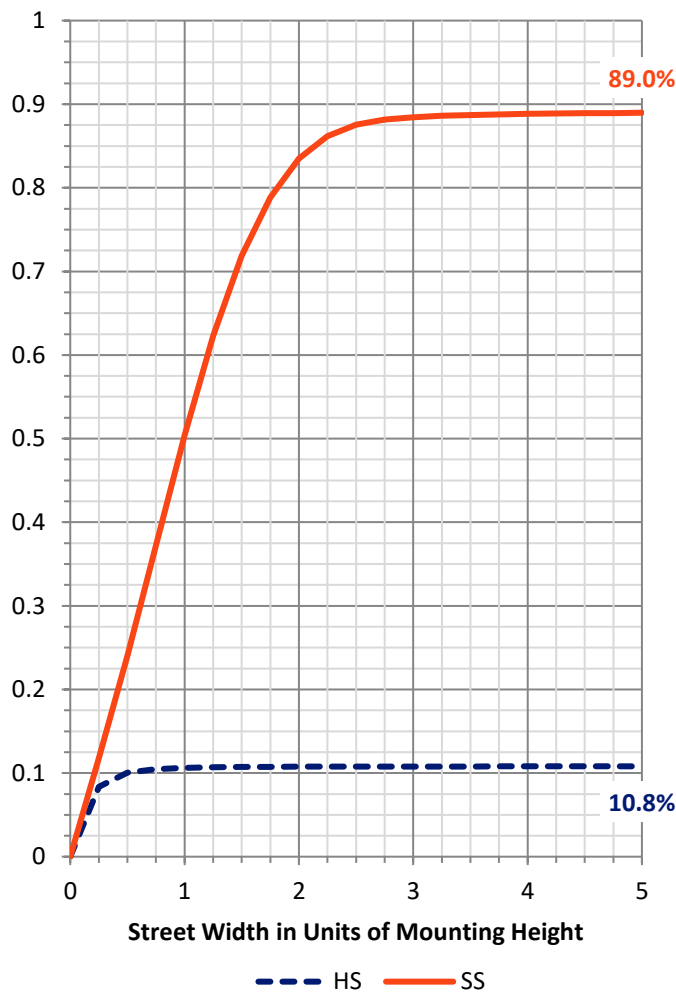
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	598.6	0.0	598.6
	% Fixture	10.9	0.0	10.9
<b>Street Side</b>	Lumens	4888.2	0.0	4888.2
	% Fixture	89.1	0.0	89.1
<b>Total</b>	Lumens	5486.8	0.0	5486.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.2	1.0
10°-20°	157.7	2.9
20°-30°	275.3	5.0
30°-40°	491.6	9.0
40°-50°	898.5	16.4
50°-60°	1494.3	27.2
60°-70°	1623.1	29.6
70°-80°	476.6	8.7
80°-90°	13.6	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°	5486.8	100.0
0°-180°	5486.8	100.0

**Coefficient of Utilization**



REPORT NUMBER: P630798

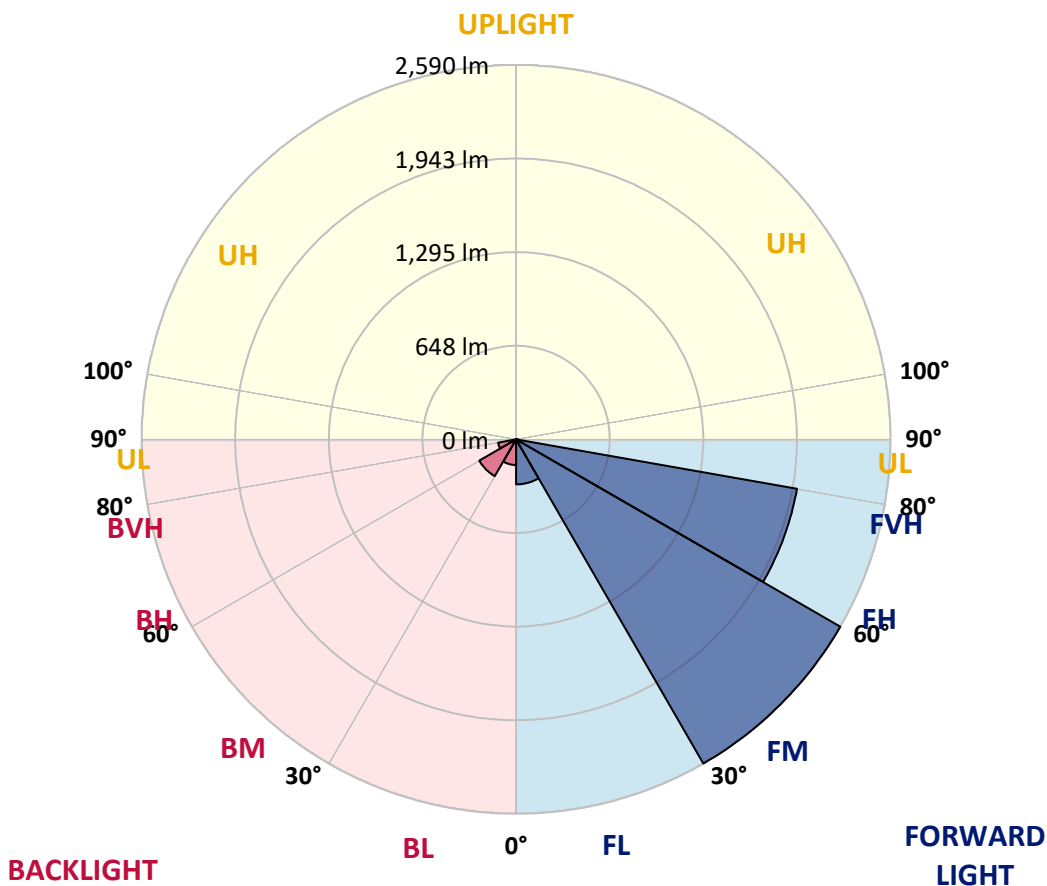
CATALOG NUMBER: GWS-SA1E-735-U-T3-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	311.6	5.7			
FM (30°-60°)	2590.4	47.2			
FH (60°-80°)	1973.3	36.0			G2/5000
FVH (80°-90°)	12.9	0.2			G1/100
BL (0°-30°)	177.6	3.2	B1/500		
BM (30°-60°)	294.0	5.4	B1/1000		
BH (60°-80°)	126.4	2.3	B1/500		G1/500
BVH (80°-90°)	0.7	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-G2**

Type III Short





REPORT NUMBER: P630798

CATALOG NUMBER: GWS-SA1E-735-U-T3-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	597.9	597.9	597.9	597.9	597.9	597.9	597.9	597.9	597.9	597.9	597.9
2.5°	586.6	585.6	585.6	589.9	590.4	592.5	597.4	597.9	600.6	599.5	595.8
5°	556.1	556.6	559.9	567.4	573.8	581.8	593.6	596.3	602.2	605.4	603.3
7.5°	527.7	528.2	533.1	544.9	557.2	573.3	592.5	597.9	609.7	618.3	618.8
10°	517.0	516.5	521.3	534.7	550.8	573.3	601.1	608.1	625.8	640.8	643.4
12.5°	520.2	519.7	524.5	536.8	554.5	582.9	616.1	625.8	648.3	671.3	676.1
15°	533.1	532.5	535.8	545.9	565.2	594.7	635.4	649.9	678.3	706.1	713.6
17.5°	571.6	569.0	565.8	566.8	578.1	608.6	660.0	677.7	713.1	746.3	752.7
20°	640.2	633.3	624.7	613.4	608.1	629.0	688.4	708.8	751.7	789.7	790.8
22.5°	743.6	740.9	721.1	688.4	665.4	665.9	721.7	745.2	797.7	839.5	833.6
25°	887.7	886.1	855.6	802.0	742.0	721.7	764.0	788.1	852.4	896.8	878.1
27.5°	1066.7	1055.4	1019.5	947.2	857.7	794.0	817.6	839.0	910.2	952.0	916.7
30°	1222.6	1223.1	1189.4	1113.8	1013.1	902.7	882.9	901.7	963.3	1007.2	964.4
32.5°	1372.6	1377.4	1340.4	1272.4	1162.0	1044.7	976.7	979.9	1031.3	1079.0	1027.0
35°	1511.9	1515.6	1489.9	1432.1	1329.2	1193.1	1107.4	1105.8	1133.6	1182.4	1114.4
37.5°	1667.8	1671.5	1646.4	1594.4	1498.0	1362.9	1255.8	1253.7	1264.9	1304.6	1226.9
40°	1833.9	1840.8	1813.0	1769.0	1676.9	1562.8	1428.3	1409.0	1397.8	1444.4	1372.6
42.5°	2002.1	2012.8	2003.2	1959.2	1880.5	1786.2	1652.3	1622.3	1598.1	1656.5	1580.5
45°	2211.0	2223.9	2219.6	2185.9	2124.8	2048.2	1921.7	1886.9	1875.7	1929.8	1839.2
47.5°	2411.9	2425.9	2441.4	2433.9	2390.5	2355.2	2214.8	2195.0	2191.8	2249.6	2109.2
50°	2561.4	2574.3	2633.7	2676.6	2706.1	2698.6	2577.0	2547.5	2542.7	2579.6	2394.3
52.5°	2668.6	2680.9	2762.9	2896.8	3005.0	3064.0	2941.3	2934.8	2908.6	2895.7	2661.1
55°	2751.6	2768.8	2855.0	3057.5	3275.6	3406.3	3329.7	3306.7	3239.1	3165.2	2908.6
57.5°	2768.2	2775.2	2896.8	3170.0	3485.6	3697.2	3697.2	3657.0	3526.8	3424.5	3194.7
60°	2619.3	2640.7	2805.2	3160.9	3575.6	3887.4	4002.1	3974.2	3798.5	3672.6	3470.1
62.5°	2288.7	2312.8	2513.2	2942.9	3485.6	3926.5	4233.0	4228.7	4030.4	3877.8	3698.3
65°	1755.1	1772.8	1947.5	2461.8	3105.2	3776.0	4398.0	4409.8	4213.7	4013.3	3777.0
67.5°	881.8	894.2	1082.8	1681.7	2461.2	3342.5	4386.7	4439.2	4269.4	3941.5	3476.5
70°	308.1	320.4	409.3	721.7	1498.0	2552.3	4007.4	4093.1	3942.1	3364.5	2564.6
72.5°	105.5	111.4	169.8	267.9	582.9	1513.0	3047.3	3176.5	2905.9	2258.7	1473.8
75°	60.0	63.8	91.1	145.2	244.3	497.7	1728.9	1808.2	1694.0	1231.2	606.5
77.5°	40.7	43.9	56.8	82.5	135.0	160.2	705.0	887.7	774.2	401.8	154.8
80°	24.1	26.3	34.8	48.8	69.1	62.1	151.1	200.9	258.8	120.0	46.6
82.5°	11.3	12.9	22.5	32.1	34.8	26.3	44.5	54.1	72.9	58.9	19.3
85°	0.0	0.0	7.5	13.4	12.9	7.5	12.3	13.4	19.8	29.5	7.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	3.2	5.9	3.2
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: P630798  
 CATALOG NUMBER: GWS-SA1E-735-U-T3-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	597.9	597.9	597.9	597.9	597.9	597.9	597.9	597.9	597.9	597.9	597.9
2.5°	600.0	596.3	600.6	598.4	600.6	600.0	595.8	593.1	593.1	588.3	586.6
5°	607.5	603.8	604.9	600.0	599.0	596.3	590.9	588.8	588.8	584.0	582.4
7.5°	624.1	618.3	617.2	607.5	603.3	595.8	586.1	582.4	581.8	577.0	575.4
10°	650.4	643.4	638.6	626.3	614.0	599.0	578.6	561.5	551.8	539.0	537.9
12.5°	682.5	674.0	666.5	647.7	627.4	593.6	533.6	470.9	432.4	401.8	404.0
15°	718.4	710.4	698.6	670.2	628.4	540.6	415.2	318.8	271.6	246.4	245.4
17.5°	757.6	745.8	726.5	687.9	594.7	413.1	270.0	190.7	166.1	157.5	155.4
20°	794.0	779.5	755.4	691.7	497.2	279.7	168.8	147.9	143.6	140.9	140.9
22.5°	832.6	814.3	778.4	662.7	369.7	178.9	143.6	138.8	135.5	131.8	131.3
25°	871.7	848.1	799.3	587.2	242.2	140.9	134.5	129.1	123.2	117.3	115.7
27.5°	904.9	874.3	815.4	474.7	155.4	127.0	122.7	113.6	105.5	99.1	98.0
30°	944.5	905.4	822.4	347.2	122.2	112.0	105.5	95.9	86.3	79.8	77.7
32.5°	997.6	954.7	811.7	226.1	108.2	98.6	88.4	77.1	67.5	60.5	59.5
35°	1080.1	1029.2	762.4	144.1	98.0	85.2	72.9	61.1	53.0	47.7	46.6
37.5°	1180.8	1133.6	681.5	108.2	87.9	73.9	59.5	48.2	42.3	38.6	37.5
40°	1330.3	1264.4	581.3	94.8	77.7	62.7	48.8	39.6	35.4	32.1	31.1
42.5°	1524.2	1418.7	466.1	86.3	68.0	52.5	39.6	32.7	28.9	26.8	26.3
45°	1750.8	1569.2	344.5	77.7	58.9	43.4	32.7	26.8	24.1	22.5	22.0
47.5°	1982.8	1701.0	237.9	68.6	50.4	35.9	27.3	23.0	20.9	18.8	18.2
50°	2230.3	1812.4	162.3	59.5	42.9	29.5	23.6	20.9	18.2	16.6	16.1
52.5°	2411.9	1853.7	113.0	51.4	36.4	25.2	20.9	18.8	16.6	14.5	13.9
55°	2579.6	1852.6	85.7	43.4	31.1	22.0	18.8	16.6	14.5	12.9	12.3
57.5°	2746.8	1838.2	67.5	37.0	26.8	19.8	16.6	14.5	13.4	11.3	10.7
60°	2855.0	1783.5	52.5	31.1	23.0	17.1	14.5	12.9	11.3	9.6	9.1
62.5°	2912.3	1707.4	40.2	24.6	18.8	15.0	12.9	11.3	9.6	8.0	7.5
65°	2834.7	1572.4	31.6	19.3	14.5	12.9	10.7	9.1	7.5	5.9	5.4
67.5°	2490.2	1326.0	24.6	15.5	11.3	9.6	9.1	7.5	5.4	4.3	3.8
70°	1759.9	908.1	19.3	11.8	8.6	7.5	7.0	5.9	4.3	3.2	2.7
72.5°	966.0	458.1	13.9	8.6	6.4	5.9	5.4	4.8	3.8	2.7	2.7
75°	371.8	125.9	10.2	5.9	4.3	4.3	3.8	3.8	3.2	2.1	2.1
77.5°	97.0	37.5	6.4	3.8	2.7	2.7	2.7	2.1	2.1	1.6	1.6
80°	31.1	12.3	3.8	2.7	2.1	1.6	1.6	1.1	1.6	1.1	1.1
82.5°	10.2	4.3	2.1	2.1	1.6	1.1	1.1	0.5	0.5	0.0	0.0
85°	3.8	2.1	1.6	1.1	1.1	1.1	0.5	0.0	0.0	0.0	0.0
87.5°	2.1	1.1	1.1	1.1	1.1	0.5	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)