

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: P629289

Luminaire Tested: GWS-SA1B-735-U-SL2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629289  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-735-U-SL2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

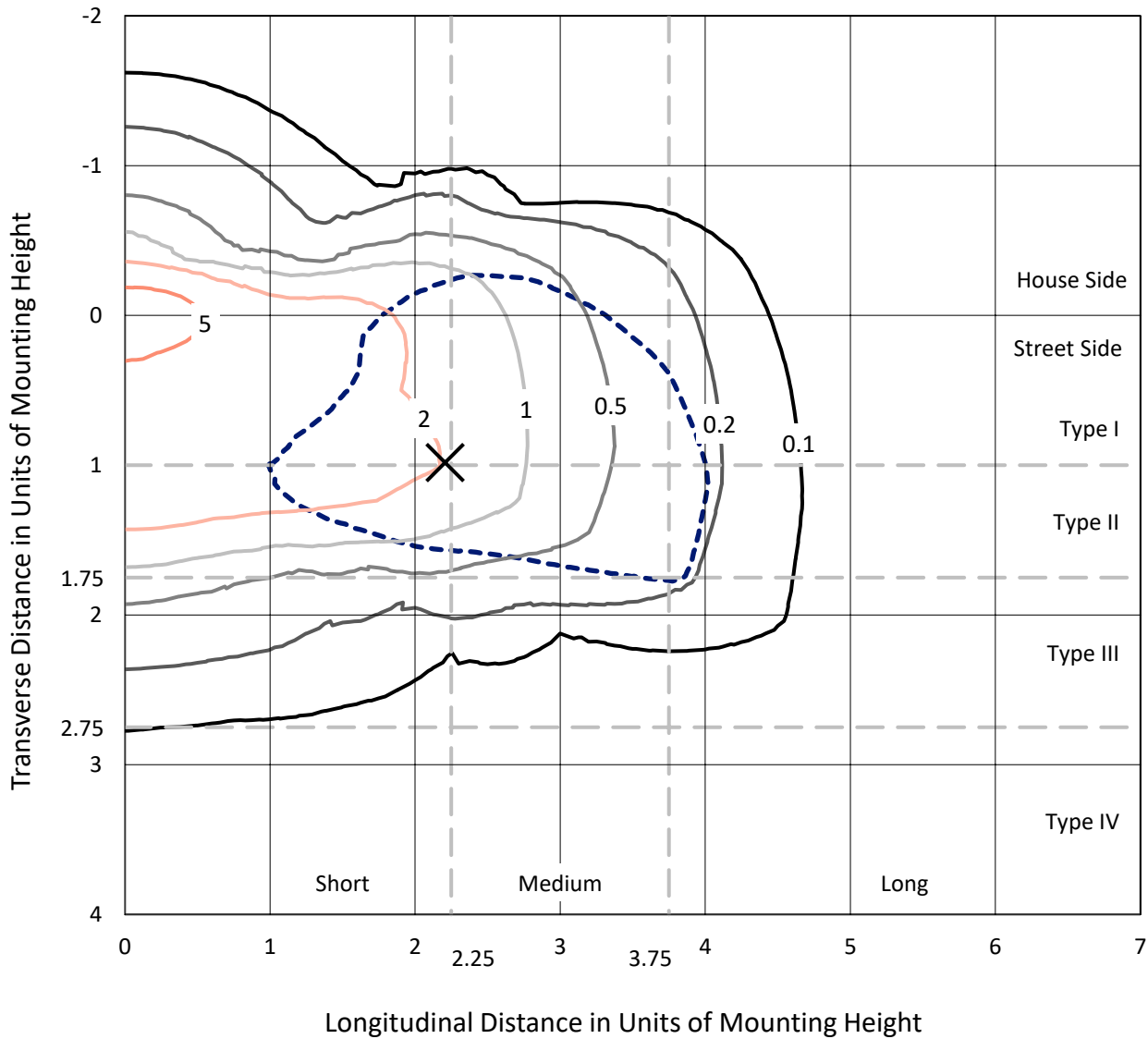
Lumens per Lamp: N/A  
Luminaire Lumens: 3473.7 lumens  
Efficiency: N/A  
Efficacy: 138.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

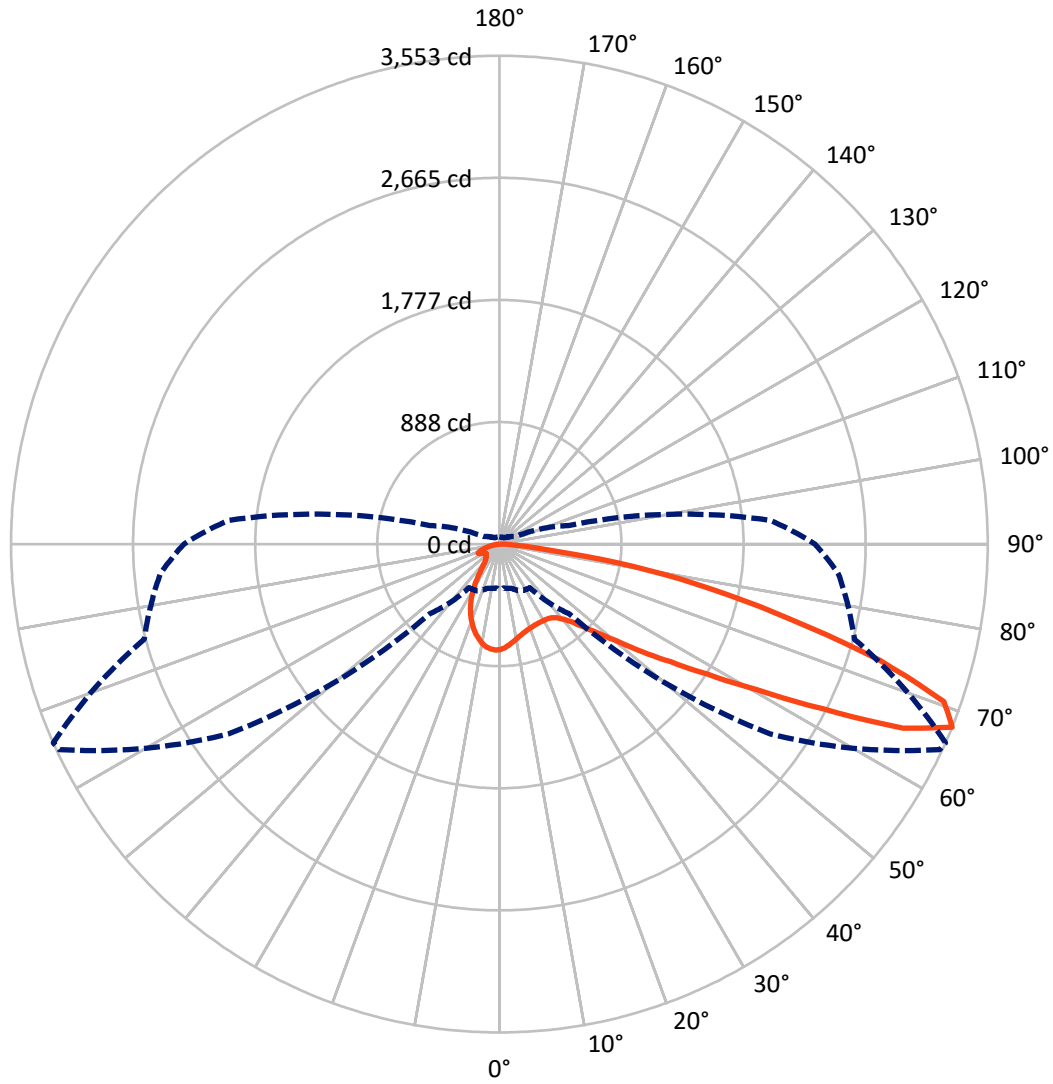
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc  
 Type II - Short - N/A

REPORT NUMBER: P629289  
CATALOG NUMBER: GWS-SA1B-735-U-SL2-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P629289

CATALOG NUMBER: GWS-SA1B-735-U-SL2-W

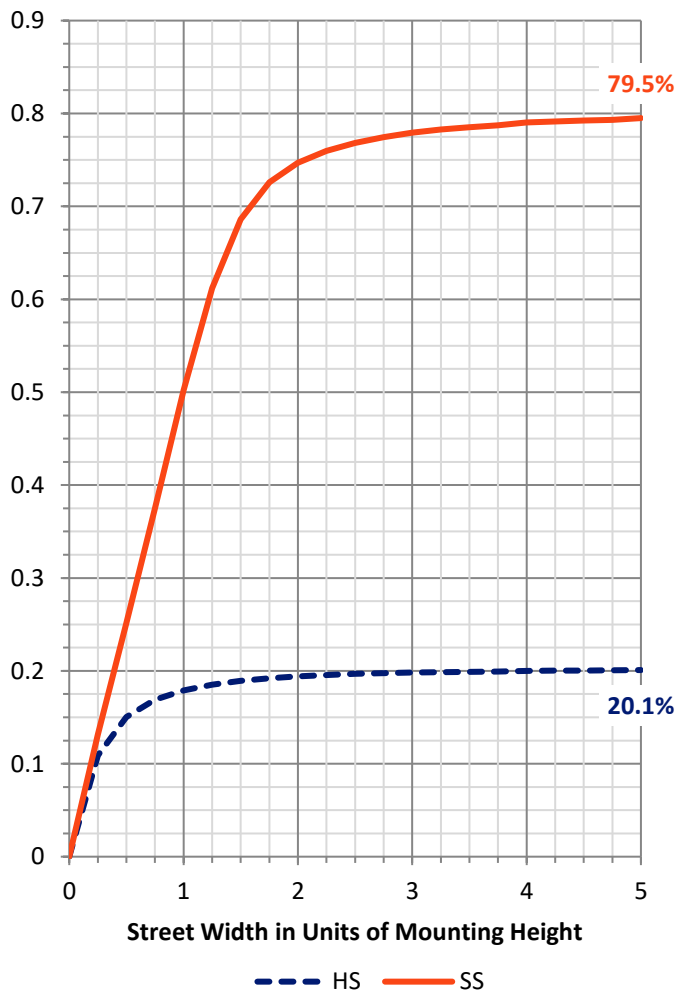
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	704.9	0.0	704.9
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	2768.8	0.0	2768.8
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	3473.7	0.0	3473.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.4	1.9
10°-20°	165.6	4.8
20°-30°	227.6	6.6
30°-40°	311.1	9.0
40°-50°	471.4	13.6
50°-60°	732.9	21.1
60°-70°	892.2	25.7
70°-80°	543.5	15.6
80°-90°	62.1	1.8
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°	3473.7	100.0
0°-180°	3473.7	100.0

**Coefficient of Utilization**



REPORT NUMBER: P629289

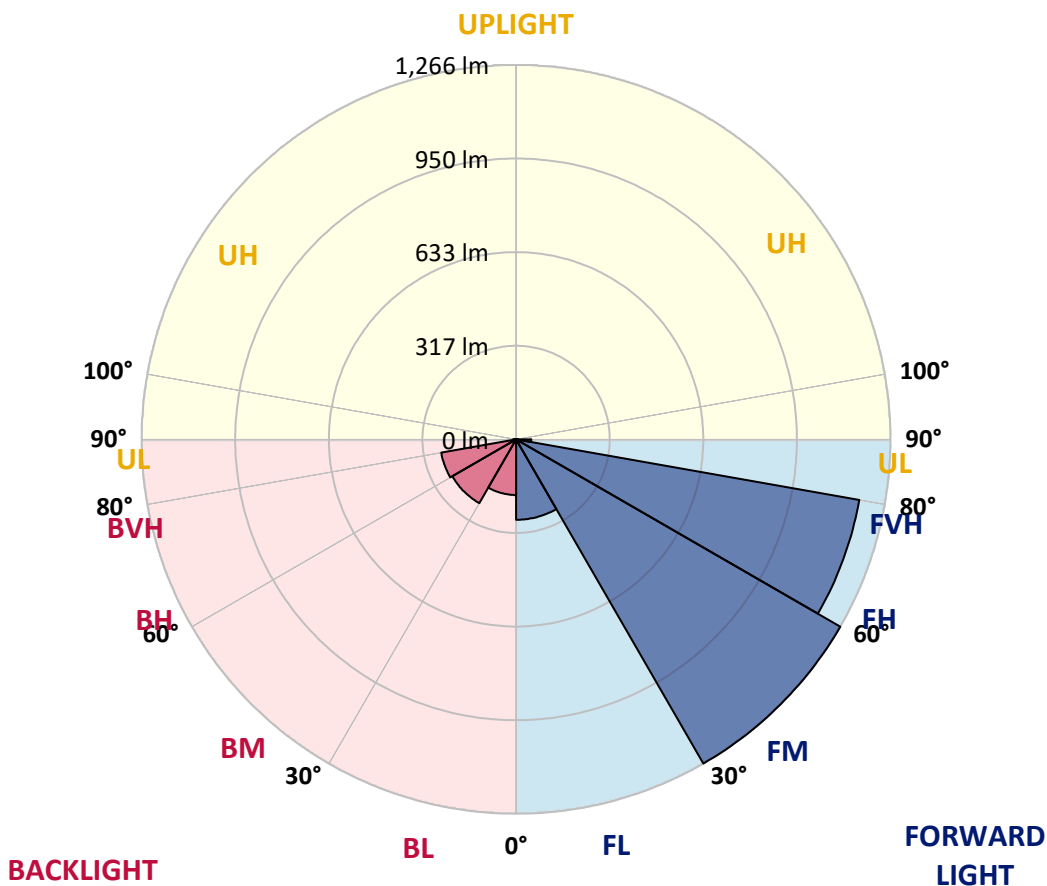
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	272.2	7.8			
FM (30°-60°)	1266.3	36.5			
FH (60°-80°)	1178.7	33.9			G1/1800
FVH (80°-90°)	51.6	1.5			G1/100
BL (0°-30°)	188.3	5.4	B1/500		
BM (30°-60°)	249.1	7.2	B1/1000		
BH (60°-80°)	257.0	7.4	B1/500		G1/500
BVH (80°-90°)	10.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Short





REPORT NUMBER: P629289  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	767.6	767.6	767.6	767.6	767.6	767.6	767.6	767.6	767.6	767.6	767.6
2.5°	718.9	721.5	719.9	729.6	730.1	742.2	749.1	754.9	755.4	763.0	768.1
5°	669.8	671.3	671.3	680.4	686.5	702.7	718.4	735.2	736.4	754.7	768.6
7.5°	630.0	631.5	630.5	642.7	650.5	668.5	688.5	714.1	716.7	746.0	770.4
10°	598.8	598.3	600.8	612.0	622.1	643.7	666.0	695.1	698.9	736.2	772.4
12.5°	577.5	578.0	579.6	591.2	602.1	623.4	646.5	678.1	682.2	724.8	771.4
15°	567.4	566.4	567.6	578.3	588.7	607.4	631.3	663.9	668.0	714.6	771.6
17.5°	565.1	564.4	564.1	571.7	579.6	597.0	619.8	653.0	657.4	708.0	773.2
20°	572.2	571.2	568.4	571.7	575.0	589.7	611.7	645.2	650.0	703.7	776.2
22.5°	591.7	589.9	585.6	581.6	577.3	586.1	606.7	639.4	644.2	700.9	779.2
25°	621.4	619.8	615.3	606.2	590.5	588.9	605.7	636.8	641.6	698.9	780.5
27.5°	662.2	659.9	655.3	642.1	616.6	599.3	609.5	636.6	641.1	696.6	779.2
30°	710.6	709.1	706.5	690.6	656.3	621.4	618.1	638.6	642.1	695.4	776.7
32.5°	759.7	758.2	760.2	752.6	710.6	657.9	636.8	644.2	646.7	695.1	774.4
35°	803.1	804.8	819.5	820.8	779.5	707.3	666.5	657.1	657.6	700.2	775.4
37.5°	848.4	855.3	874.5	891.0	856.5	772.7	710.6	681.4	680.9	713.1	781.8
40°	908.5	911.5	936.1	967.0	945.5	862.4	773.2	721.2	717.7	739.5	798.8
42.5°	967.0	974.4	1013.7	1049.1	1042.0	963.5	852.0	780.8	774.4	786.1	833.7
45°	1041.5	1048.6	1092.7	1138.3	1151.3	1077.8	952.8	865.4	859.1	856.3	897.8
47.5°	1116.0	1123.4	1162.9	1228.8	1274.2	1220.7	1084.1	977.2	966.8	955.9	994.6
50°	1166.2	1174.8	1212.6	1291.6	1398.1	1399.1	1239.7	1123.6	1110.5	1093.2	1131.0
52.5°	1164.4	1170.0	1206.0	1297.2	1487.3	1604.1	1448.0	1310.1	1299.5	1262.0	1294.9
55°	1073.0	1081.3	1117.6	1231.6	1496.9	1798.5	1754.1	1530.1	1511.1	1443.9	1480.2
57.5°	889.2	896.3	932.8	1073.5	1411.5	1898.1	2142.9	1810.4	1784.3	1642.1	1683.9
60°	671.3	662.7	679.9	803.1	1207.3	1900.6	2486.0	2190.5	2146.9	1854.0	1888.9
62.5°	503.8	495.2	499.0	533.7	818.5	1747.0	2681.6	2710.5	2638.5	2093.2	2086.4
65°	398.1	393.3	404.2	428.0	477.2	1330.4	2683.1	3272.8	3227.5	2370.4	2288.8
67.5°	324.4	321.3	332.5	376.6	387.0	714.9	2405.9	3535.4	3553.1	2674.0	2476.6
70°	261.3	256.7	274.2	332.2	359.8	432.6	1723.5	3401.6	3430.2	2855.0	2423.6
72.5°	180.4	180.7	189.6	269.1	347.4	373.5	974.9	2832.4	2894.5	2691.0	2130.7
75°	121.6	122.7	125.2	177.6	320.1	362.4	519.5	2144.4	2188.2	2224.2	1761.2
77.5°	73.5	74.0	79.8	107.4	220.7	338.3	352.0	1554.4	1588.9	1466.2	1091.7
80°	42.6	44.3	49.7	72.0	149.0	254.2	272.4	953.1	992.1	651.8	346.9
82.5°	18.8	20.0	27.1	41.8	86.9	216.2	212.6	376.6	371.0	181.7	120.4
85°	3.3	4.1	5.8	13.2	31.9	114.0	165.0	166.2	156.4	68.9	49.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.8	24.8	44.6	44.3	19.5	17.2
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: P629289  
 CATALOG NUMBER: GWS-SA1B-735-U-SL2-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	767.6	767.6	767.6	767.6	767.6	767.6	767.6	767.6	767.6	767.6	767.6
2.5°	771.4	764.5	770.6	771.4	770.1	769.1	761.5	754.9	754.2	747.1	747.1
5°	774.2	767.8	770.9	765.1	755.9	746.6	730.3	719.2	714.1	705.0	705.0
7.5°	778.0	771.4	767.8	753.4	732.1	711.6	685.5	663.7	654.8	641.9	641.4
10°	781.5	773.2	761.0	732.9	698.9	666.2	628.2	597.3	576.3	560.8	560.8
12.5°	781.3	770.4	746.3	704.7	657.9	610.5	559.8	513.2	485.3	461.2	459.7
15°	780.8	765.8	727.5	672.1	610.0	544.3	475.4	414.6	373.3	349.7	347.7
17.5°	780.3	760.0	706.5	634.8	551.7	462.2	371.3	305.4	270.9	256.5	257.0
20°	780.3	753.4	684.0	592.0	484.5	363.9	272.4	224.5	215.9	216.7	217.4
22.5°	778.0	745.3	658.9	545.3	409.8	267.6	201.0	184.7	189.3	196.4	197.4
25°	772.7	731.9	629.7	493.6	320.8	194.9	164.0	160.9	169.3	178.1	180.7
27.5°	764.3	716.4	597.0	433.1	236.2	156.6	144.2	143.9	150.5	157.1	159.4
30°	755.4	699.2	562.6	365.7	171.1	136.3	131.5	131.5	134.8	138.9	138.4
32.5°	745.0	681.7	525.6	295.5	139.4	124.9	123.4	122.7	123.2	124.7	124.7
35°	736.2	666.2	487.6	221.2	124.9	118.6	117.1	115.3	114.5	113.5	114.0
37.5°	732.9	654.1	448.3	166.7	117.8	114.0	111.5	109.0	107.2	106.7	106.4
40°	738.2	649.0	409.0	137.4	112.8	109.2	106.4	103.1	101.6	101.6	101.6
42.5°	759.0	652.8	369.0	124.2	109.2	105.2	101.1	98.1	97.6	98.1	98.3
45°	797.0	667.5	327.4	117.6	106.2	101.1	96.3	94.0	94.0	94.5	94.5
47.5°	864.9	706.0	286.4	113.5	103.1	97.8	92.7	90.5	90.2	90.7	90.7
50°	982.5	775.4	249.4	110.7	100.9	95.3	90.2	87.2	86.4	86.2	86.2
52.5°	1130.7	895.8	225.8	108.7	98.1	92.5	87.4	83.4	81.9	81.1	81.1
55°	1309.9	1056.2	225.8	107.2	94.5	89.2	83.4	79.3	77.0	76.0	76.0
57.5°	1512.9	1243.0	264.8	105.9	91.7	85.4	79.1	75.0	72.5	71.0	71.0
60°	1719.4	1440.4	361.4	104.2	89.2	80.6	74.3	70.4	67.2	65.4	65.1
62.5°	1933.5	1657.8	488.6	105.2	87.4	76.0	69.2	64.9	62.1	60.3	60.1
65°	2129.7	1864.9	599.8	113.0	87.7	72.0	63.4	59.6	57.3	55.0	54.7
67.5°	2296.2	1979.2	521.8	129.0	93.0	67.2	57.5	53.7	51.7	50.2	49.9
70°	2179.6	1804.8	296.0	138.9	100.4	62.1	50.9	48.4	46.4	45.4	45.1
72.5°	1863.9	1528.1	197.9	122.7	91.5	55.5	44.9	42.8	41.3	40.0	39.8
75°	1509.8	1211.8	151.3	100.6	71.2	45.1	38.5	37.0	35.5	34.2	34.0
77.5°	893.3	700.2	111.5	79.6	50.2	35.2	31.9	30.7	29.1	28.1	27.9
80°	285.1	243.3	70.7	54.7	33.2	27.1	24.6	23.6	22.0	20.8	20.5
82.5°	108.7	94.0	37.5	27.9	22.0	18.5	16.5	15.5	14.4	13.2	12.9
85°	48.1	45.1	20.8	15.0	11.9	9.1	8.1	7.6	6.3	5.3	5.1
87.5°	17.0	17.0	8.9	4.3	2.5	1.3	0.8	0.3	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)