

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: LUMIERE

Report Number: G2-2408-198-1-SQ

Luminaire Tested: **1237L-SQ-X-12LEDG2-UNV/12-CS**

Test Date: 2024-08-16

**Test Information**

Test Method: LM-79-08  
Report Number: G2-2408-198-1-SQ  
Test Lab: Cooper Lighting Solutions  
Test Date: 2024-08-16  
Issue Date: 8/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 1237L-SQ-X-12LEDG2-UNV/12-CS  
Description: Rio 1237 with louver  
Light Source: -  
Ballast/Driver: -

**Summary**

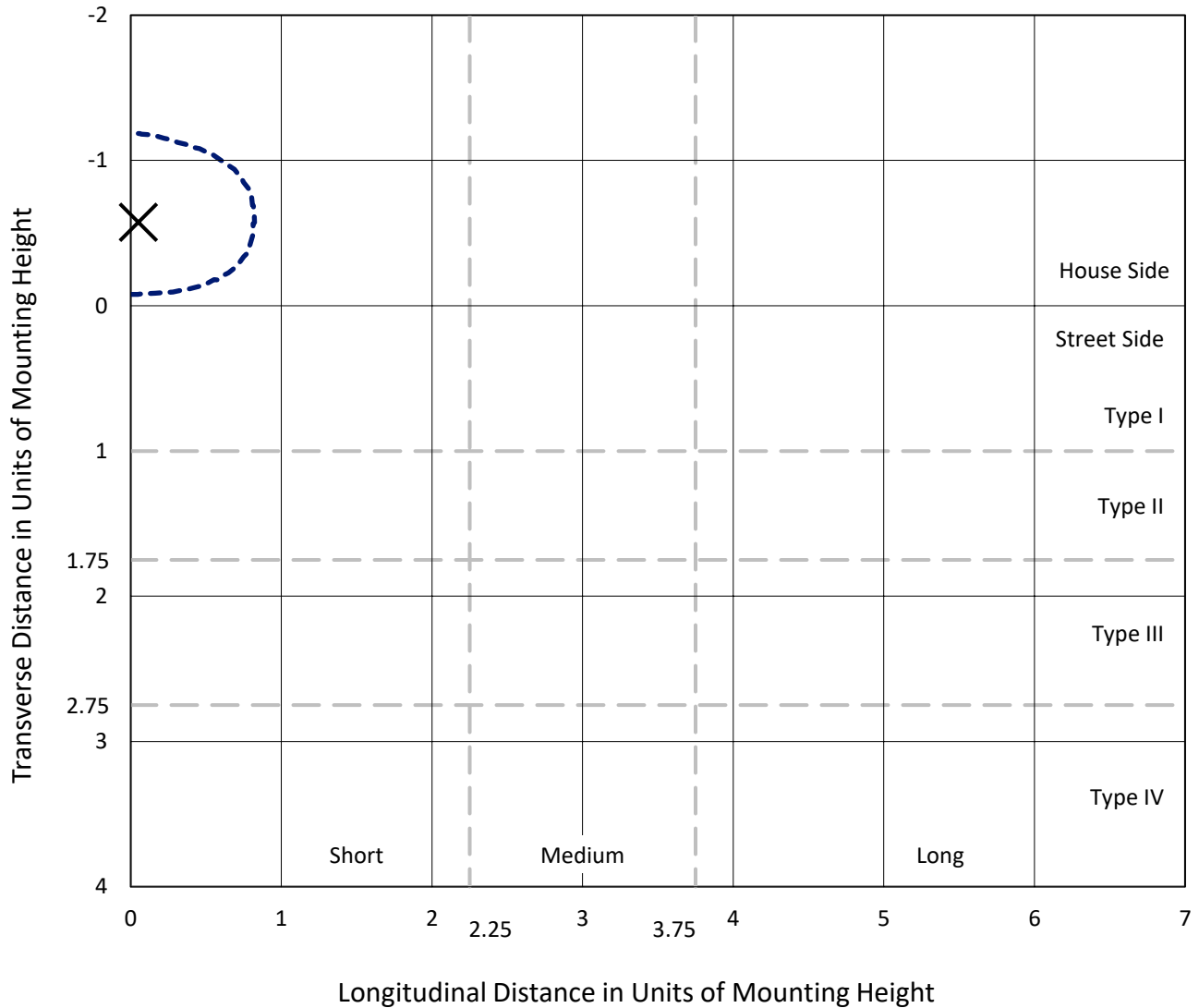
Lumens per Lamp: N/A  
Luminaire Lumens: 42.9 lumens  
Efficiency: N/A  
Efficacy: 4.9 lumens/watt  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
IES Classification: Type - Short  
BUG Rating: B0 - U0 - G0  
  
Input Watts (W): 8.83  
Input Voltage (V): 120.0  
Input Current (Ain): 0.0746  
Voltage Rise (V): NR  
Power Factor: 0.9863  
Total Harmonic Distortion (THDi): 12.4%  
Frequency (hertz): 60  
Stabilization Time: 0.5 HR  
Operation Time: 3 HR  
Ambient Temperature (°C): 24.5  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

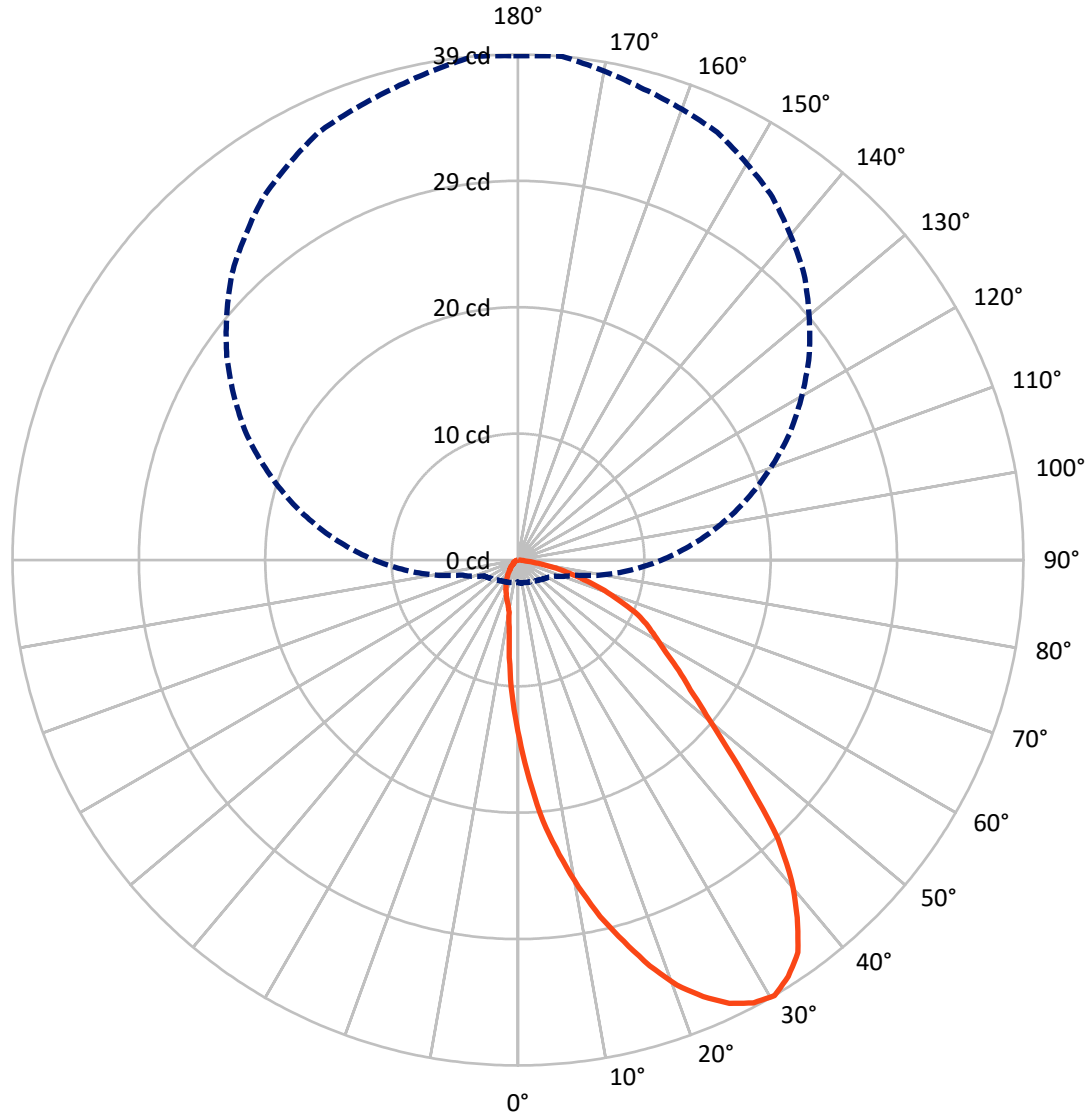
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0 fc  
 Type - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 175-Deg Lateral      - - - Horizontal Cone Through 30-Deg Vertical

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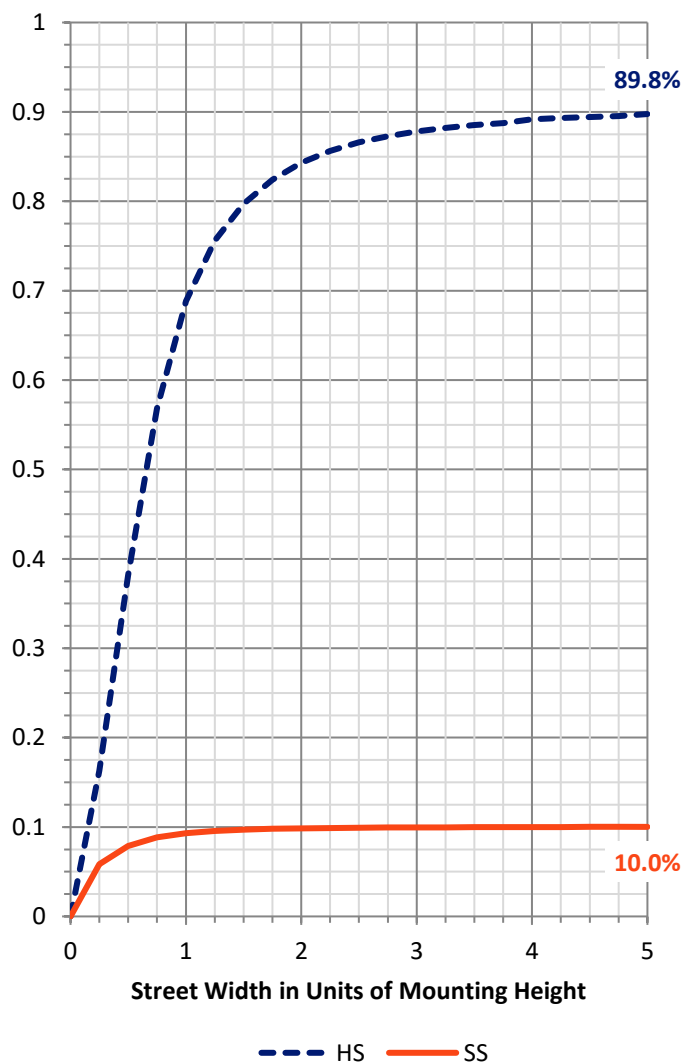
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	38.6	0.0	38.6
	% Fixture	90.0	0.0	90.0
<b>Street Side</b>	Lumens	4.3	0.0	4.3
	% Fixture	10.0	0.0	10.0
<b>Total</b>	Lumens	42.9	0.0	42.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.3	3.1
10°-20°	4.3	9.9
20°-30°	7.5	17.4
30°-40°	9.3	21.7
40°-50°	8.2	19.1
50°-60°	5.9	13.7
60°-70°	4.1	9.5
70°-80°	2.1	4.8
80°-90°	0.4	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°	42.9	100.0
0°-180°	42.9	100.0

**Coefficient of Utilization**

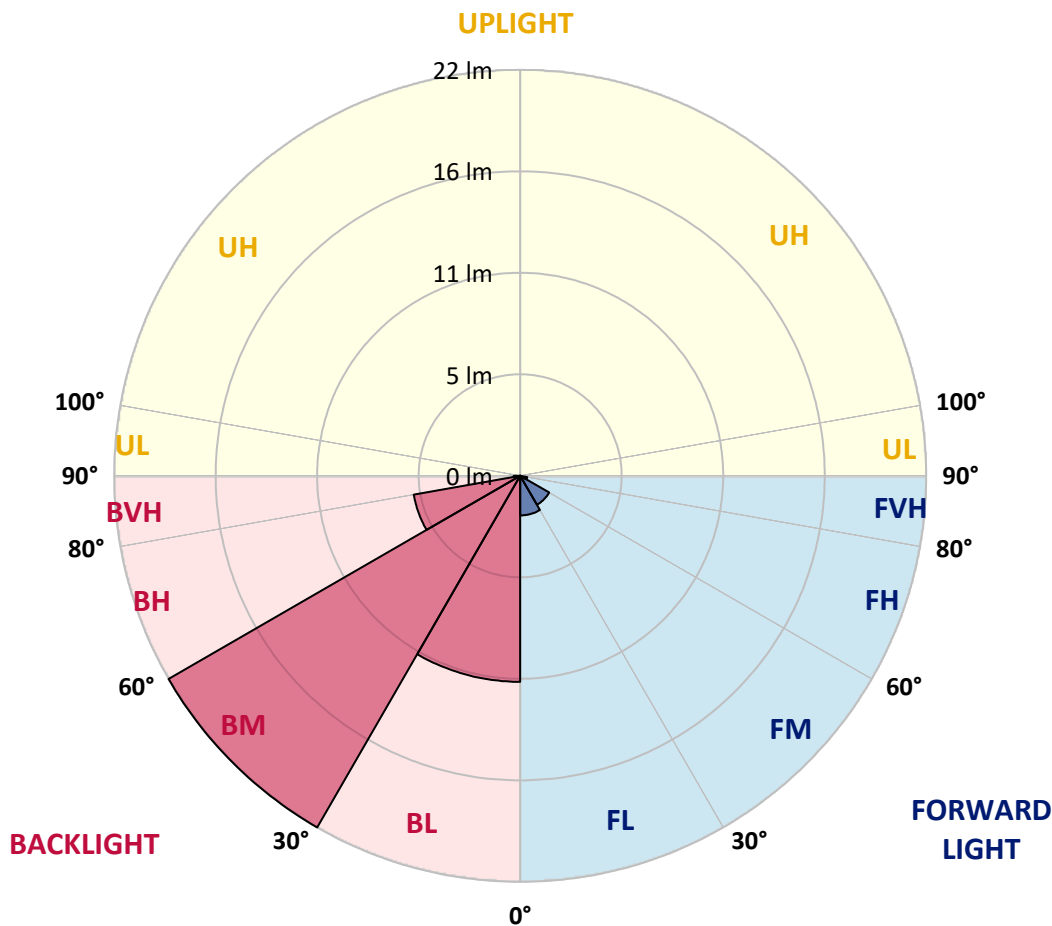


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2.1	4.9			
FM (30°-60°)	1.8	4.1			
FH (60°-80°)	0.4	0.9			G0/660
FVH (80°-90°)	0.0	0.1			G0/10
BL (0°-30°)	10.9	25.5	B0/110		
BM (30°-60°)	21.6	50.3	B0/220		
BH (60°-80°)	5.7	13.4	B0/110		G0/110
BVH (80°-90°)	0.3	0.8			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G0**  
 Type Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
2.5°	10.8	11.0	10.9	11.3	11.3	11.7	12.1	12.5	12.9	13.5	13.7
5°	7.9	8.1	8.2	8.7	9.0	9.7	10.4	11.4	12.3	13.3	13.8
7.5°	5.3	5.5	5.5	6.0	6.7	7.7	8.9	10.2	11.6	13.1	13.9
10°	4.0	4.1	4.2	4.3	4.8	5.8	7.2	8.9	10.9	12.7	13.6
12.5°	3.5	3.6	3.6	3.8	3.9	4.3	5.6	7.7	10.0	12.3	13.5
15°	3.3	3.3	3.3	3.5	3.6	3.9	4.6	6.4	9.2	11.9	13.3
17.5°	2.8	3.0	2.9	3.1	3.2	3.4	3.9	5.3	8.4	11.5	13.1
20°	2.7	2.7	2.7	2.9	2.9	3.2	3.5	4.3	7.3	11.0	12.7
22.5°	2.4	2.5	2.4	2.6	2.6	2.9	3.2	3.9	6.5	10.4	12.5
25°	2.1	2.2	2.3	2.4	2.5	2.7	3.0	3.6	5.7	10.0	12.1
27.5°	2.0	2.0	2.0	2.1	2.2	2.5	2.8	3.1	5.2	9.4	11.7
30°	1.7	1.8	1.8	1.9	2.0	2.2	2.5	2.9	4.5	8.8	11.1
32.5°	1.4	1.5	1.4	1.5	1.7	1.9	2.2	2.6	3.8	7.9	10.4
35°	1.3	1.4	1.3	1.4	1.6	1.8	2.0	2.4	3.4	7.3	9.7
37.5°	1.0	1.1	1.2	1.2	1.4	1.5	1.8	2.1	2.9	6.5	8.8
40°	1.0	1.0	1.0	1.2	1.2	1.4	1.7	2.0	2.6	5.8	8.0
42.5°	0.8	0.9	0.8	0.9	1.1	1.2	1.5	1.8	2.3	5.0	7.2
45°	0.7	0.7	0.7	0.7	0.8	1.0	1.2	1.5	1.9	4.2	6.3
47.5°	0.7	0.7	0.6	0.7	0.8	0.9	1.1	1.3	1.8	3.7	5.6
50°	0.5	0.5	0.5	0.6	0.6	0.7	0.9	1.2	1.6	3.1	4.9
52.5°	0.4	0.4	0.4	0.5	0.5	0.6	0.8	1.0	1.4	2.6	4.3
55°	0.4	0.4	0.4	0.4	0.5	0.6	0.7	0.9	1.3	2.3	3.9
57.5°	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.7	1.1	2.0	3.5
60°	0.3	0.4	0.3	0.4	0.3	0.4	0.5	0.7	1.0	1.8	3.2
62.5°	0.4	0.3	0.3	0.3	0.4	0.4	0.5	0.6	0.9	1.7	3.0
65°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.5	0.7	1.3	2.6
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.6	1.1	2.3
70°	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.3	0.4	0.9	2.0
72.5°	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.3	0.4	0.8	1.8
75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.6	1.5
77.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.7	1.3
80°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.4	0.8
82.5°	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
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):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
2.5°	13.8	14.4	15.0	15.4	15.9	16.3	16.6	16.7	17.0	16.9
5°	14.3	15.3	16.4	17.2	18.0	19.0	19.5	19.8	20.3	20.1
7.5°	14.5	16.0	17.6	18.9	20.3	21.3	22.2	22.5	23.0	23.0
10°	14.6	16.5	18.7	20.4	22.0	23.5	24.7	25.1	25.7	25.7
12.5°	14.8	17.1	19.7	21.9	23.9	25.5	27.0	27.5	28.3	28.3
15°	14.8	17.8	20.9	23.3	25.7	27.7	29.1	29.9	30.6	30.6
17.5°	14.8	18.2	21.6	24.4	27.2	29.2	31.1	32.0	33.0	32.9
20°	14.6	18.4	22.3	25.5	28.4	30.8	33.0	34.0	35.1	35.1
22.5°	14.4	18.6	22.8	26.4	29.5	32.3	34.5	35.5	36.7	36.7
25°	14.2	18.7	23.2	26.9	30.6	33.4	35.8	36.8	38.0	38.1
27.5°	13.9	18.7	23.4	27.2	31.1	34.1	36.5	37.5	38.8	38.8
30°	13.5	18.4	23.2	27.5	31.3	34.3	36.5	37.7	39.1	39.0
32.5°	12.7	17.8	22.6	27.0	30.7	33.7	35.9	37.1	38.4	38.5
35°	12.2	17.1	22.0	26.3	29.9	32.8	34.8	36.0	37.3	37.3
37.5°	11.3	16.1	21.0	25.0	28.3	31.1	33.0	34.0	35.1	35.1
40°	10.3	15.0	19.6	23.2	26.4	29.0	30.5	31.5	32.6	32.6
42.5°	9.3	13.7	18.0	21.3	24.3	26.4	27.8	28.5	29.5	29.5
45°	8.4	12.3	16.2	19.2	21.7	23.7	24.8	25.1	25.4	25.6
47.5°	7.5	11.2	14.8	17.5	19.9	21.2	21.7	21.6	21.8	22.0
50°	6.7	10.1	13.4	15.9	17.7	18.6	18.6	18.6	18.9	18.8
52.5°	6.1	9.2	12.2	14.3	15.9	16.0	16.0	16.2	16.7	16.8
55°	5.6	8.6	11.2	13.0	14.0	13.8	14.2	14.5	15.1	15.1
57.5°	5.0	7.9	10.3	11.7	12.0	12.0	12.5	13.0	13.5	13.6
60°	4.7	7.4	9.5	10.5	10.5	10.4	11.1	11.7	12.3	12.4
62.5°	4.4	7.0	8.7	9.2	8.9	9.0	10.0	10.7	11.3	11.3
65°	4.0	6.3	7.9	7.8	7.5	7.8	8.9	9.7	10.2	10.1
67.5°	3.6	5.8	6.9	6.6	6.1	6.6	8.0	8.1	8.6	8.5
70°	3.2	5.2	5.8	5.2	5.0	5.7	6.7	6.7	7.1	6.9
72.5°	3.0	4.6	4.7	4.2	4.0	4.8	5.5	5.4	5.6	5.6
75°	2.6	3.9	3.7	3.1	3.2	3.7	4.2	4.0	4.1	4.1
77.5°	2.3	3.2	2.9	2.5	2.4	2.8	3.1	2.9	3.0	2.9
80°	1.8	2.3	2.0	1.5	1.5	1.8	1.9	1.7	1.6	1.6
82.5°	1.3	1.5	1.3	1.0	1.0	1.1	1.0	0.7	0.6	0.6
85°	0.9	0.9	0.7	0.5	0.5	0.3	0.3	0.1	0.1	0.0
87.5°	0.4	0.4	0.2	0.1	0.1	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

(END OF REPORT)