

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: P394791

Luminaire Tested: **303-P1-LEDB1-TSAM-UNV-T2-DIM10**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P394791  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/9/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 303-P1-LEDB1-TSAM-UNV-T2-DIM10  
Description: LUMIERE EON LED LUMINAIRE  
PATHWAY, TYPE 2  
Light Source: AMBER LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 208.9 lumens  
Efficiency: N/A  
Efficacy: 32.1 lumens/watt  
Luminous Opening: Rectangular (W 0.38' x L: 0.21' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B0 - U0 - G0

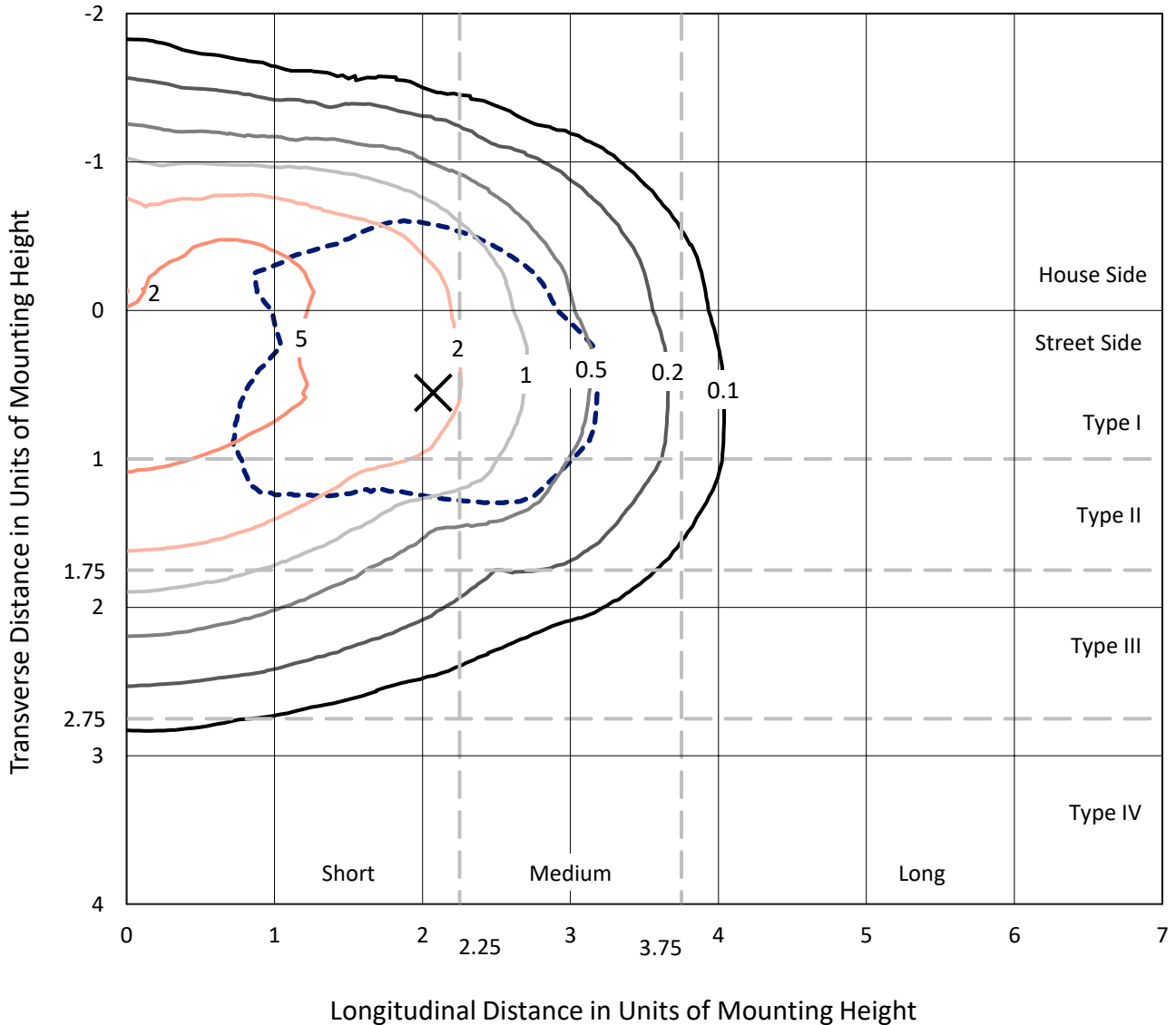
Input Watts (W): 6.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

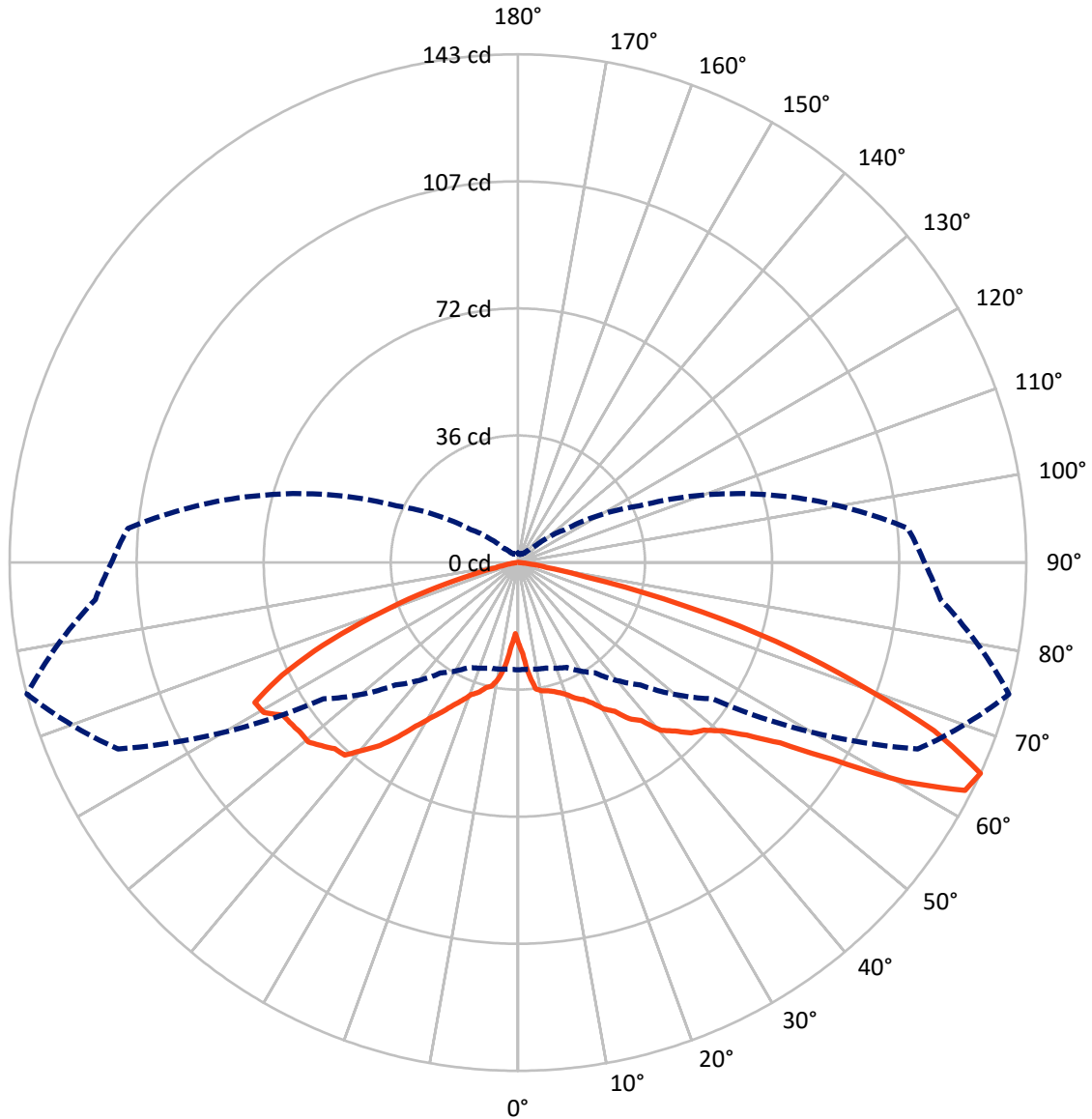
× Max cd  
 - - - 1/2 Max cd



Based on 2 foot mounting height. Maximum calculated value = 9.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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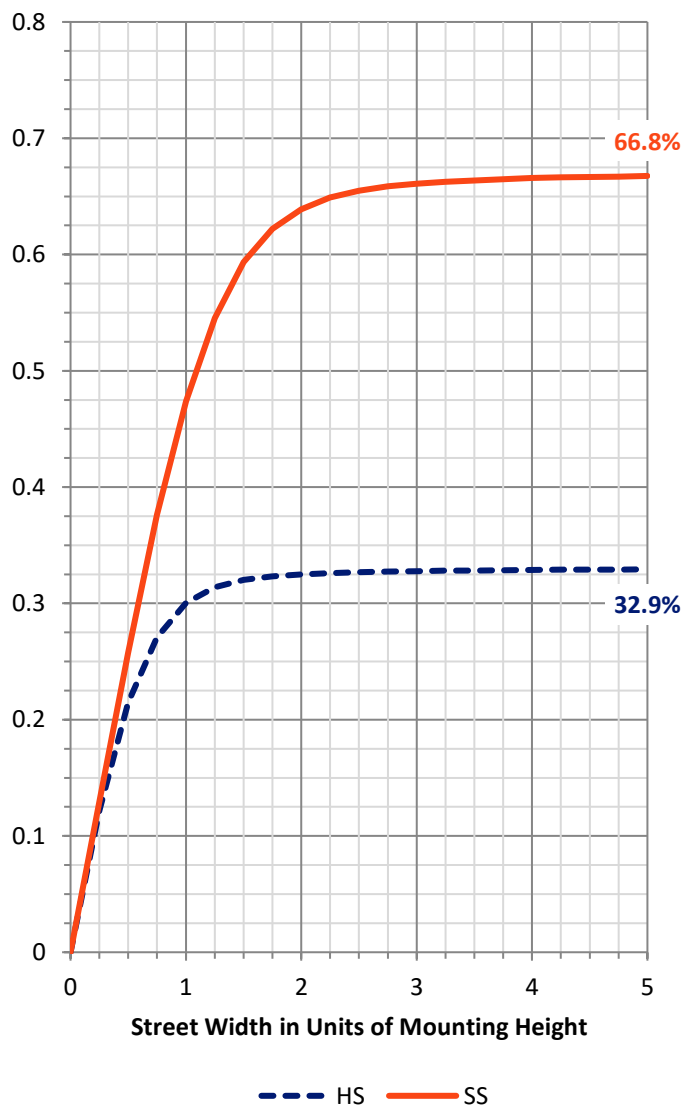
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	69.2	0.0	69.2
	% Fixture	33.1	0.0	33.1
<b>Street Side</b>	Lumens	139.6	0.0	139.6
	% Fixture	66.9	0.0	66.9
<b>Total</b>	Lumens	208.9	0.0	208.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.5	1.2
10°-20°	9.4	4.5
20°-30°	16.8	8.1
30°-40°	27.3	13.1
40°-50°	40.3	19.3
50°-60°	49.7	23.8
60°-70°	46.3	22.2
70°-80°	15.3	7.3
80°-90°	1.3	0.6
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°	208.9	100.0
0°-180°	208.9	100.0

**Coefficient of Utilization**



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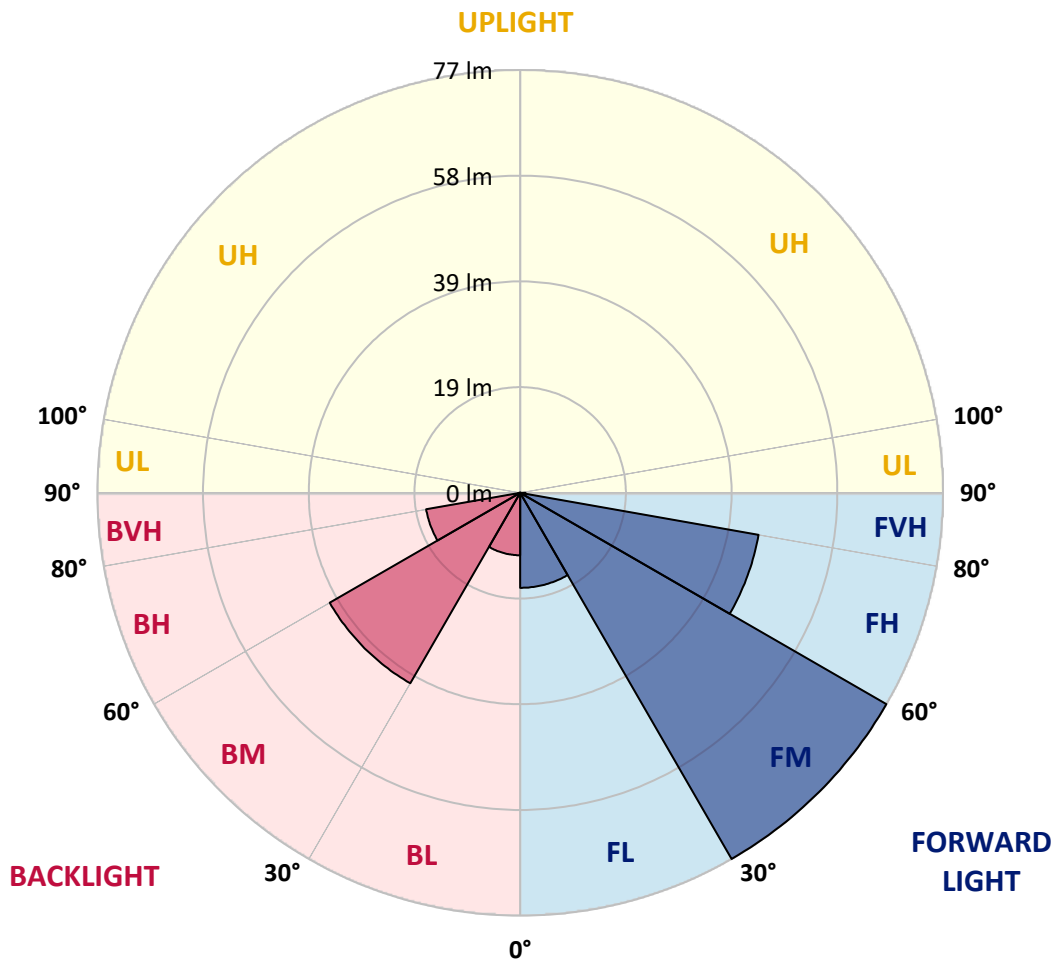
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	17.3	8.3			
FM (30°-60°)	77.2	36.9			
FH (60°-80°)	44.2	21.1			G0/660
FVH (80°-90°)	1.0	0.5			G0/10
BL (0°-30°)	11.4	5.5	B0/110		
BM (30°-60°)	40.1	19.2	B0/220		
BH (60°-80°)	17.4	8.3	B0/110		G0/110
BVH (80°-90°)	0.3	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-G0**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
2.5°	35.3	35.3	35.3	35.0	34.1	32.9	29.3	26.9	25.7	23.0	23.0
5°	36.2	35.9	36.8	36.2	36.2	35.9	36.2	35.3	31.4	28.4	26.6
7.5°	38.6	38.3	38.3	37.7	37.7	37.4	38.0	36.8	35.9	33.2	31.4
10°	41.0	40.1	41.0	39.8	39.5	39.2	38.9	37.7	36.8	36.2	35.9
12.5°	41.9	41.6	41.9	40.7	39.5	40.4	38.6	37.4	37.1	36.8	36.5
15°	44.0	42.5	41.6	41.3	40.7	40.1	38.9	38.3	37.7	37.4	36.2
17.5°	43.4	41.6	41.6	41.3	41.0	41.0	39.8	39.2	38.6	38.9	38.3
20°	42.5	42.5	41.3	42.2	40.7	41.6	41.3	40.1	39.8	39.8	39.8
22.5°	42.5	41.9	42.8	42.2	41.9	42.2	41.9	41.6	41.6	41.6	41.6
25°	41.9	42.5	42.8	42.8	42.2	41.9	44.0	42.8	42.8	43.4	42.5
27.5°	41.9	41.9	42.2	42.8	42.2	44.3	44.6	45.2	44.9	45.8	45.5
30°	42.8	42.8	42.5	44.9	45.2	46.7	47.6	45.8	47.9	48.8	48.2
32.5°	44.6	44.0	45.5	46.1	47.0	49.1	50.5	50.0	50.0	51.7	51.4
35°	48.8	47.6	48.5	49.1	50.5	52.6	53.8	53.5	54.1	54.4	55.0
37.5°	51.4	50.5	50.8	52.9	53.8	55.9	58.0	56.2	56.5	58.9	58.9
40°	55.0	54.7	55.6	56.8	58.9	61.0	62.8	62.2	62.2	63.7	64.6
42.5°	60.4	60.1	59.2	61.6	63.1	65.2	67.9	67.3	64.9	67.6	68.5
45°	62.2	62.5	62.2	62.8	66.1	69.1	72.7	72.4	68.5	70.6	71.5
47.5°	65.5	63.7	64.6	64.9	68.2	72.1	77.5	77.5	70.6	73.6	74.8
50°	65.2	64.6	65.5	66.7	68.8	74.8	81.4	84.9	74.5	74.2	78.1
52.5°	65.8	64.3	65.2	67.3	69.7	74.2	85.5	92.7	80.8	76.9	80.5
55°	64.9	64.3	66.7	68.2	70.3	75.1	87.9	101.4	89.7	79.3	85.8
57.5°	58.9	58.3	60.4	65.5	70.0	74.5	89.4	110.1	104.7	82.6	91.8
60°	47.6	47.9	49.7	55.0	62.8	72.1	86.1	117.8	125.6	93.3	104.1
62.5°	38.0	38.0	38.3	43.1	51.4	64.3	78.7	121.7	141.5	108.0	115.8
65°	30.2	30.2	30.8	32.6	38.0	48.8	67.0	124.4	143.3	119.6	114.6
67.5°	18.8	18.5	20.0	24.8	27.5	34.4	48.5	110.4	126.5	113.7	100.8
70°	11.4	11.7	12.0	14.4	19.7	26.0	31.1	88.2	100.5	95.1	79.9
72.5°	8.4	8.4	8.7	9.6	12.3	19.1	24.5	61.3	76.0	72.4	57.7
75°	5.4	5.7	5.7	6.3	7.8	11.1	20.9	34.1	48.2	40.7	33.2
77.5°	3.3	3.3	3.3	3.6	4.5	5.7	12.6	19.4	19.7	13.2	10.5
80°	2.4	2.4	2.4	2.4	2.7	3.0	5.7	13.8	8.1	3.9	3.9
82.5°	1.5	1.5	1.8	1.8	1.8	1.8	2.4	6.3	3.9	2.1	2.1
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.8	1.5	1.2	1.2
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.6	0.6	0.6	0.3	0.3
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°	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
2.5°	22.1	20.0	17.9	14.4	11.1	10.2	8.1	4.8	2.1	2.1
5°	26.3	23.6	20.0	16.7	11.4	9.6	7.2	4.5	1.5	0.9
7.5°	30.8	29.3	25.1	20.6	17.3	14.4	13.2	7.5	7.2	8.4
10°	35.6	33.2	30.2	26.0	21.5	20.9	19.4	15.9	12.6	11.1
12.5°	37.1	35.6	31.7	28.4	24.5	21.5	20.0	17.0	17.6	18.5
15°	37.7	36.5	32.3	27.5	24.8	20.6	19.7	17.3	17.3	18.2
17.5°	38.6	38.3	33.5	29.9	25.4	20.9	19.1	16.7	17.3	17.9
20°	40.4	39.5	35.0	31.4	26.6	21.2	18.8	15.3	16.7	17.9
22.5°	41.6	41.9	36.8	32.6	27.5	21.8	18.2	17.0	17.3	18.5
25°	44.9	44.3	39.2	34.4	26.9	22.4	20.0	16.7	15.6	18.5
27.5°	46.1	47.3	41.0	35.9	27.5	22.7	20.0	16.7	16.2	17.6
30°	49.1	50.5	44.0	38.3	30.8	23.3	20.0	15.6	16.7	17.9
32.5°	52.9	54.4	47.0	40.1	31.4	23.3	19.7	14.7	16.5	17.6
35°	56.8	59.5	51.1	42.2	31.7	22.7	19.1	14.1	14.1	16.7
37.5°	61.6	64.6	54.1	44.3	32.0	22.4	18.2	14.7	13.8	15.6
40°	67.3	68.5	56.8	44.6	31.1	21.2	17.3	13.8	12.9	14.4
42.5°	72.1	73.0	58.6	44.0	29.3	19.7	15.9	12.9	12.3	13.5
45°	76.3	73.6	58.9	42.8	27.8	18.5	15.0	11.4	11.4	12.0
47.5°	78.7	75.7	57.4	41.0	26.3	16.5	13.2	9.9	10.2	10.5
50°	82.3	77.8	55.6	37.7	23.6	14.7	11.1	8.4	9.0	9.0
52.5°	86.1	77.8	52.9	35.3	20.3	12.6	9.3	7.2	7.5	7.8
55°	89.4	78.4	49.4	32.0	17.6	10.2	7.5	6.0	6.0	6.0
57.5°	95.7	79.0	49.7	29.6	14.7	8.1	6.0	4.8	4.8	5.1
60°	107.7	83.2	48.2	25.7	11.4	6.0	4.5	3.6	3.9	3.9
62.5°	114.9	84.0	45.5	21.2	8.4	4.5	3.3	3.0	3.3	3.3
65°	110.4	73.6	37.7	16.2	5.7	3.3	2.7	2.4	2.4	2.7
67.5°	93.6	59.8	27.8	9.9	4.2	3.0	2.4	2.1	2.1	2.1
70°	72.4	44.0	16.7	5.7	3.3	2.4	2.1	1.8	1.8	1.8
72.5°	52.6	29.6	9.6	3.9	2.7	2.1	1.5	1.2	1.5	1.5
75°	29.9	15.9	4.8	3.0	2.1	1.5	1.2	0.9	0.9	1.2
77.5°	10.8	6.3	3.0	2.4	1.8	1.2	0.9	0.6	0.6	0.6
80°	3.9	3.3	2.1	1.5	1.2	0.9	0.6	0.6	0.6	0.6
82.5°	2.1	1.8	1.2	0.9	0.6	0.3	0.3	0.3	0.3	0.3
85°	1.2	0.9	0.6	0.6	0.3	0.3	0.0	0.0	0.0	0.0
87.5°	0.3	0.3	0.3	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

(END OF REPORT)