

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: P394799

Luminaire Tested: **303-P1-LEDB1-TSAM-UNV-T4-DIM10**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P394799  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-14)  
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-T4-DIM10  
Description: LUMIERE EON LED LUMINAIRE  
PATHWAY, TYPE 4  
Light Source: AMBER LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 206.9 lumens  
Efficiency: N/A  
Efficacy: 31.8 lumens/watt  
Luminous Opening: Rectangular (W 0.38' x L: 0.21' x H: 0')  
IES Classification: Type III - 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

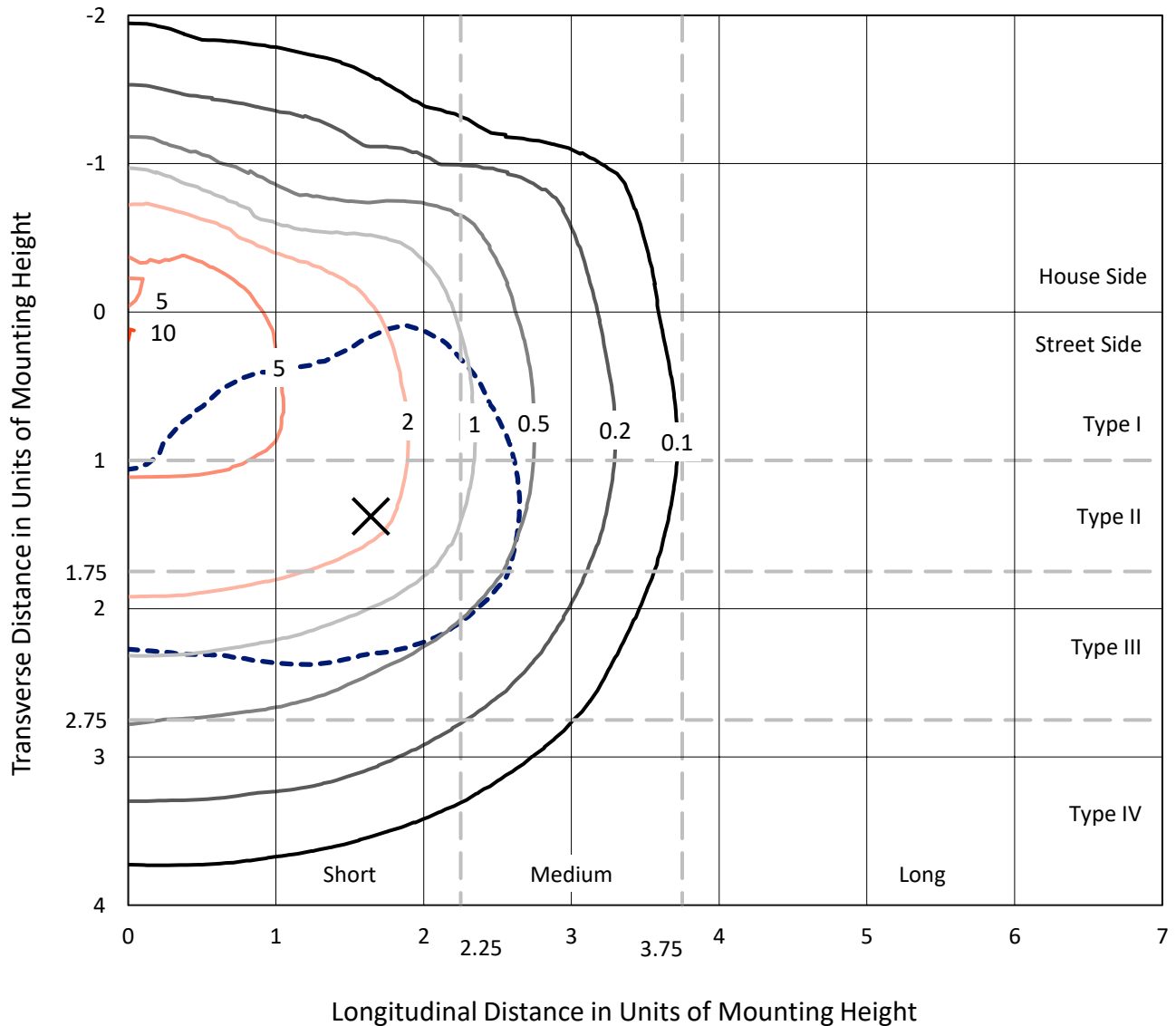


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

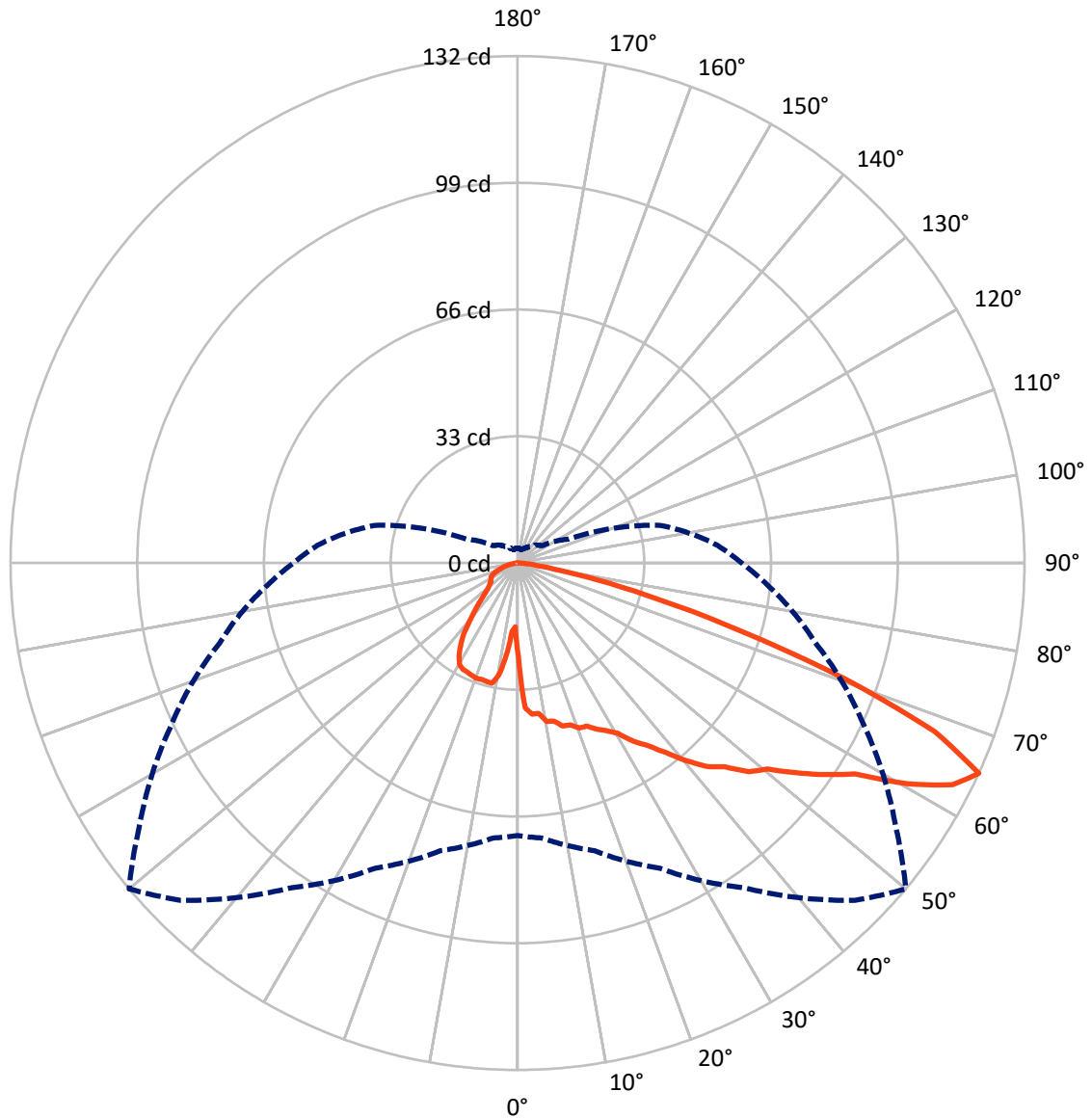


Based on 2 foot mounting height. Maximum calculated value = 10.1 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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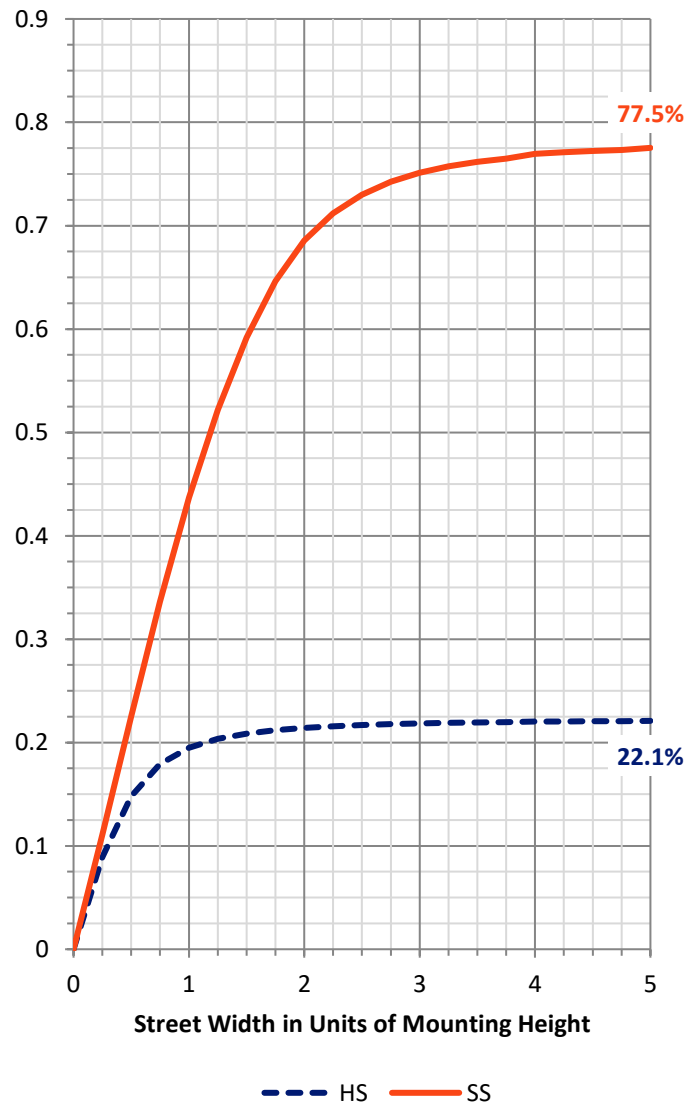
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	46.0	0.0	46.0
	% Fixture	22.3	0.0	22.3
<b>Street Side</b>	Lumens	160.9	0.0	160.9
	% Fixture	77.7	0.0	77.7
<b>Total</b>	Lumens	206.9	0.0	206.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.9	1.4
10°-20°	10.4	5.0
20°-30°	17.7	8.5
30°-40°	26.1	12.6
40°-50°	33.7	16.3
50°-60°	43.7	21.1
60°-70°	50.5	24.4
70°-80°	20.3	9.8
80°-90°	1.8	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°	206.9	100.0
0°-180°	206.9	100.0



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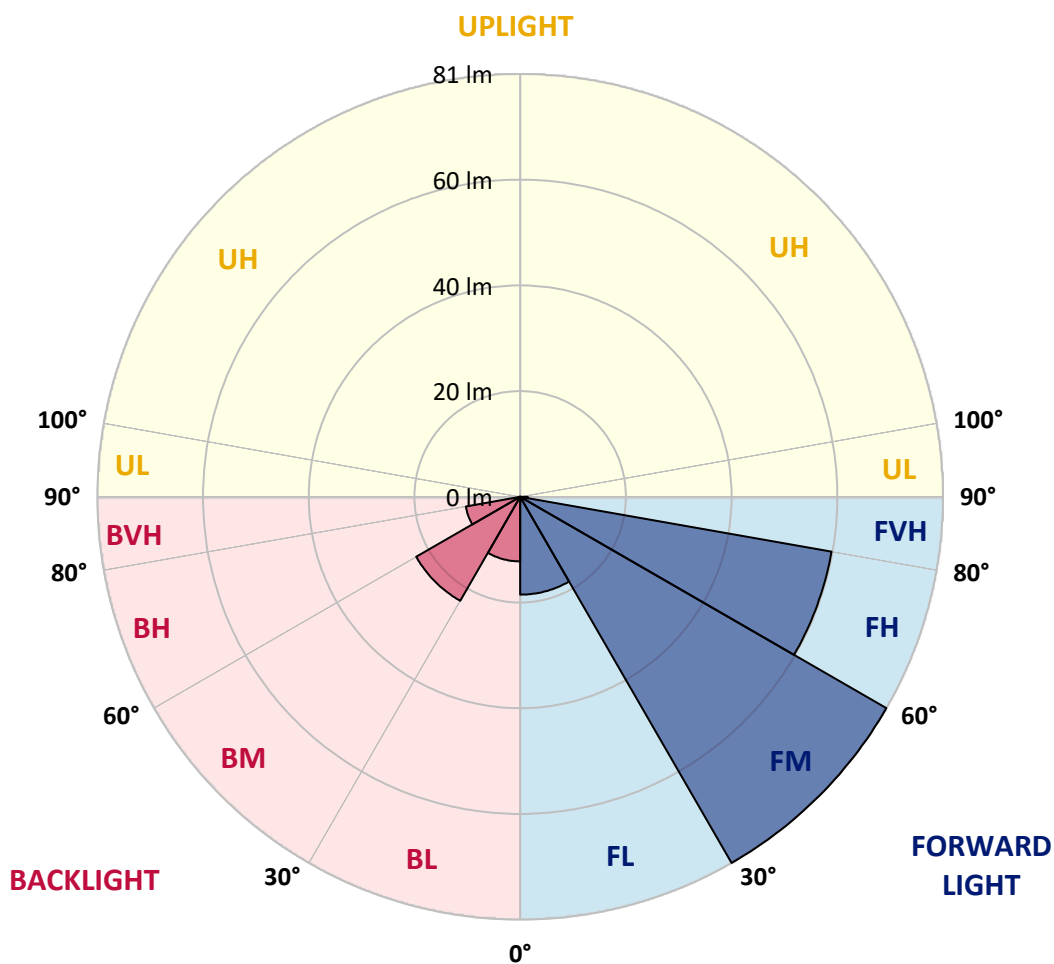
CATALOG NUMBER: 303-P1-LEDB1-TSAM-UNV-T4-DIM10

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	18.6	9.0			
FM (30°-60°)	80.6	38.9			
FH (60°-80°)	60.2	29.1			G0/660
FVH (80°-90°)	1.5	0.7			G0/10
BL (0°-30°)	12.3	5.9	B0/110		
BM (30°-60°)	22.9	11.1	B0/220		
BH (60°-80°)	10.5	5.1	B0/110		G0/110
BVH (80°-90°)	0.3	0.2			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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
2.5°	38.9	38.9	39.2	38.6	38.6	37.4	37.7	35.3	30.5	29.0	27.8
5°	38.9	39.2	39.8	38.9	38.6	39.2	39.5	39.5	38.9	35.3	33.8
7.5°	41.6	41.9	41.3	40.4	40.1	39.8	39.5	39.8	39.8	39.8	38.9
10°	43.7	44.0	43.4	42.2	41.6	41.3	41.9	41.3	40.1	40.1	40.7
12.5°	43.4	44.6	43.4	41.6	41.9	41.9	42.2	41.6	39.8	39.8	41.6
15°	43.7	43.4	43.4	41.9	42.5	41.9	44.0	41.9	39.8	39.8	41.0
17.5°	44.6	43.7	43.7	42.8	43.1	43.4	44.3	43.1	41.0	39.8	41.0
20°	45.8	45.8	45.2	44.3	43.7	43.4	45.8	44.0	41.9	40.4	40.7
22.5°	47.0	47.0	47.3	46.1	46.4	44.6	46.1	45.2	43.4	40.7	40.4
25°	48.5	48.5	48.2	47.9	48.2	46.4	47.9	46.1	45.2	42.8	42.2
27.5°	50.5	49.7	50.0	49.7	50.5	49.1	49.4	48.8	47.6	44.9	43.7
30°	51.7	51.1	52.0	52.0	52.6	51.1	51.4	50.8	49.4	47.9	45.8
32.5°	55.3	55.0	55.6	55.0	55.0	53.8	55.3	53.5	52.3	50.2	49.1
35°	57.4	57.4	57.7	58.9	59.8	58.3	58.3	57.1	55.6	53.5	50.8
37.5°	59.2	59.5	60.7	62.5	64.0	61.0	62.5	61.0	58.9	55.3	52.0
40°	60.7	60.4	62.8	66.1	67.0	67.6	67.6	65.5	61.3	56.2	52.9
42.5°	62.2	62.2	65.5	70.0	72.4	72.7	72.4	69.1	64.0	57.7	53.5
45°	64.0	64.3	66.7	70.9	75.4	76.3	75.7	72.7	66.7	59.2	54.4
47.5°	66.4	66.4	68.8	73.3	79.3	80.8	81.1	77.8	67.9	60.4	55.6
50°	69.1	69.1	71.2	76.6	82.6	85.2	84.3	82.0	72.1	62.5	57.1
52.5°	72.7	73.6	75.1	78.7	85.5	89.4	90.6	85.5	74.8	64.6	59.2
55°	77.2	78.7	78.7	82.3	89.4	95.1	97.2	91.5	79.3	67.3	61.3
57.5°	85.2	83.2	85.2	87.9	96.0	103.5	103.5	97.2	84.9	70.9	63.1
60°	84.3	84.9	87.6	94.2	104.1	116.7	116.7	108.9	93.0	76.9	66.7
62.5°	81.7	82.0	86.4	94.5	109.2	126.5	127.1	121.7	100.8	81.1	68.8
65°	70.9	71.8	77.5	87.6	103.2	124.1	131.9	120.2	99.3	80.2	65.2
67.5°	60.4	61.0	64.3	72.7	86.4	108.0	117.0	112.2	93.0	71.2	57.4
70°	52.9	50.8	54.4	61.6	68.2	84.0	90.6	90.9	74.5	58.6	46.1
72.5°	35.9	36.2	39.5	47.9	52.0	58.9	61.0	62.8	54.4	43.4	32.9
75°	22.7	23.3	25.4	29.3	34.4	38.0	38.0	35.6	32.3	27.5	20.6
77.5°	13.2	12.9	14.7	16.2	18.5	20.6	21.2	19.4	16.5	13.2	9.6
80°	6.9	7.2	7.8	8.7	9.9	9.6	9.6	9.6	7.5	5.7	3.9
82.5°	3.9	3.9	4.5	5.1	5.4	5.1	4.8	4.2	3.3	3.0	2.1
85°	1.8	1.8	1.8	2.1	2.4	2.4	2.4	2.1	1.8	1.5	0.9
87.5°	1.2	1.2	1.2	1.2	1.2	0.9	0.9	0.9	0.6	0.6	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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
2.5°	28.1	27.8	26.6	22.4	17.6	15.6	10.2	7.2	6.3	6.6	7.2
5°	33.2	32.3	28.1	24.5	19.4	16.2	12.3	8.7	4.2	3.0	4.2
7.5°	38.3	35.9	34.1	30.8	27.2	21.5	18.2	13.2	10.8	9.3	10.8
10°	40.7	40.7	39.2	35.9	31.4	27.8	25.4	24.5	22.1	15.0	16.7
12.5°	41.3	41.3	41.0	35.9	33.8	30.2	27.2	25.1	23.9	22.4	23.6
15°	40.4	40.7	40.7	36.2	33.5	30.2	26.9	25.1	25.1	23.3	25.1
17.5°	40.1	40.4	39.5	35.6	32.9	30.5	27.2	25.1	25.1	23.9	25.4
20°	39.8	39.5	39.5	34.4	32.9	30.8	26.3	23.9	24.2	24.5	24.5
22.5°	39.8	39.5	38.3	34.4	32.6	30.5	25.4	23.3	22.4	23.9	23.3
25°	40.4	39.5	38.3	35.0	32.6	29.9	24.8	22.7	21.8	22.7	21.5
27.5°	41.6	41.0	40.1	35.9	32.6	29.6	24.5	21.5	20.0	20.9	20.3
30°	43.7	42.5	40.7	35.9	32.3	28.7	23.0	20.6	19.1	19.7	18.8
32.5°	45.5	44.3	42.2	35.6	30.8	26.6	21.8	19.1	17.6	18.5	15.9
35°	47.3	45.2	41.6	33.5	28.1	24.2	19.1	17.0	15.9	16.7	15.0
37.5°	48.8	46.4	40.7	31.1	25.4	21.2	16.2	15.0	14.4	15.0	14.1
40°	49.4	46.4	39.5	28.4	21.5	17.6	14.1	12.9	12.6	13.5	13.2
42.5°	49.1	46.1	37.7	25.1	18.2	14.7	11.7	11.1	11.1	11.7	11.7
45°	50.0	46.7	35.3	22.4	15.3	12.3	10.2	9.3	9.3	10.2	10.2
47.5°	51.4	46.4	34.1	20.0	12.6	10.5	8.7	8.1	8.1	8.7	8.4
50°	52.3	47.9	33.5	17.9	11.1	9.0	7.5	6.9	6.6	7.2	7.2
52.5°	53.5	48.5	33.5	16.5	9.9	8.4	6.9	6.0	5.7	6.0	6.0
55°	56.8	50.8	33.5	15.9	9.3	7.8	6.3	5.4	5.1	5.1	5.1
57.5°	58.0	51.7	34.7	15.6	9.0	7.5	6.0	5.1	4.5	4.8	4.8
60°	61.0	54.4	36.8	15.9	8.7	7.2	5.7	4.8	4.2	4.5	4.5
62.5°	62.8	55.0	38.3	15.9	8.4	7.2	5.4	4.5	3.9	4.2	4.2
65°	58.3	52.3	38.0	14.7	7.8	6.6	5.1	4.2	3.6	3.9	3.9
67.5°	51.1	45.5	34.7	12.6	7.2	5.7	4.5	3.9	3.3	3.3	3.6
70°	40.4	36.8	29.0	10.2	6.0	4.8	3.9	3.3	3.0	2.7	3.0
72.5°	29.6	26.9	22.7	7.8	4.8	3.9	3.3	3.0	2.4	2.4	2.7
75°	17.9	17.3	15.6	5.7	3.9	3.3	2.7	2.4	2.1	1.8	2.1
77.5°	8.4	8.1	8.7	3.9	3.0	2.4	1.8	1.5	1.2	1.2	1.5
80°	3.3	3.3	3.9	2.4	1.8	1.5	1.2	1.2	0.9	0.9	0.9
82.5°	1.8	1.8	1.8	1.5	1.2	0.9	0.6	0.6	0.3	0.3	0.3
85°	0.9	0.9	0.9	0.6	0.3	0.3	0.3	0.3	0.0	0.0	0.0
87.5°	0.3	0.3	0.3	0.3	0.3	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	0.0

(END OF REPORT)