

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: P394729

Luminaire Tested: **303-B1-LEDB1-TSAM-UNV-T4-DIM10**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P394729  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/9/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 303-B1-LEDB1-TSAM-UNV-T4-DIM10  
Description: LUMIERE EON LED LUMINAIRE  
BOLLARD, SINGLE HEAD, ONE LIGHTBAR, TYPE 4  
Light Source: AMBER LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 195.2 lumens  
Efficiency: N/A  
Efficacy: 30.0 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

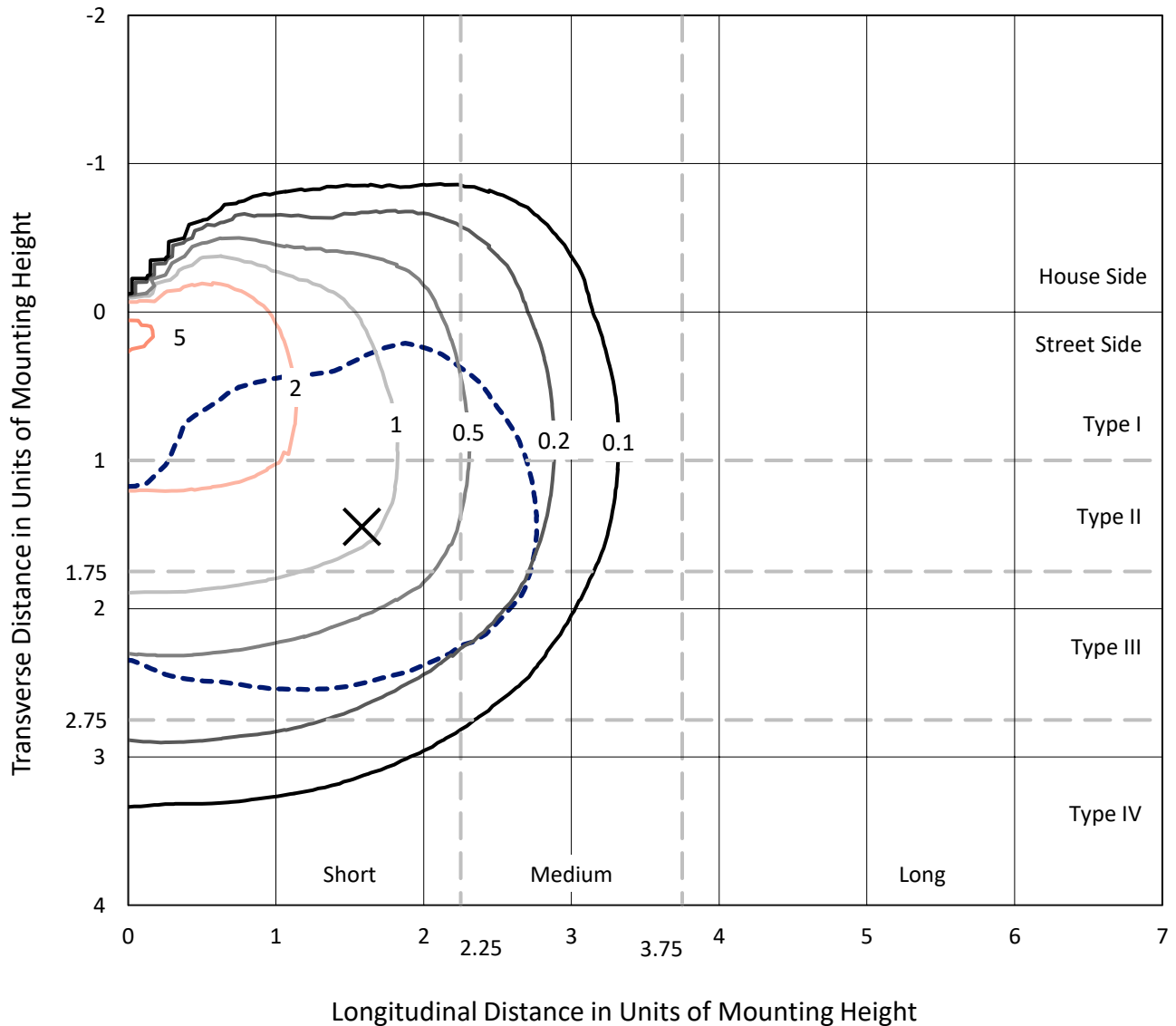


REPORT NUMBER: P394729

CATALOG NUMBER: 303-B1-LEDB1-TSAM-UNV-T4-DIM10

### Iso-Footcandle Lines of Horizontal Illumination

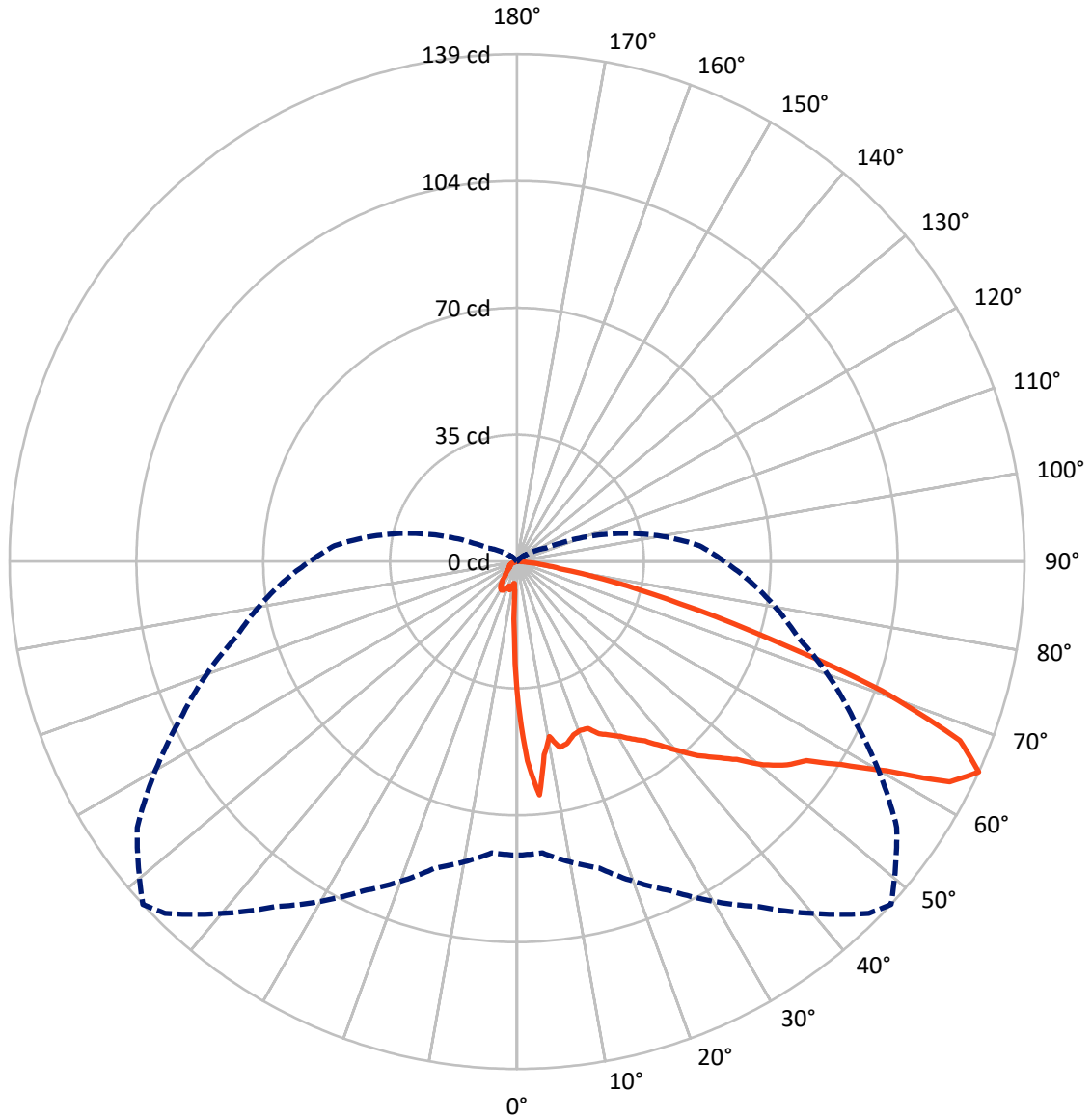
✕ Max cd  
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 5.9 fc  
 Type III - Short - N/A

REPORT NUMBER: P394729  
CATALOG NUMBER: 303-B1-LEDB1-TSAM-UNV-T4-DIM10

### Luminous Intensity Polar Plot



— Vertical Plane Through 47.5-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P394729

CATALOG NUMBER: 303-B1-LEDB1-TSAM-UNV-T4-DIM10

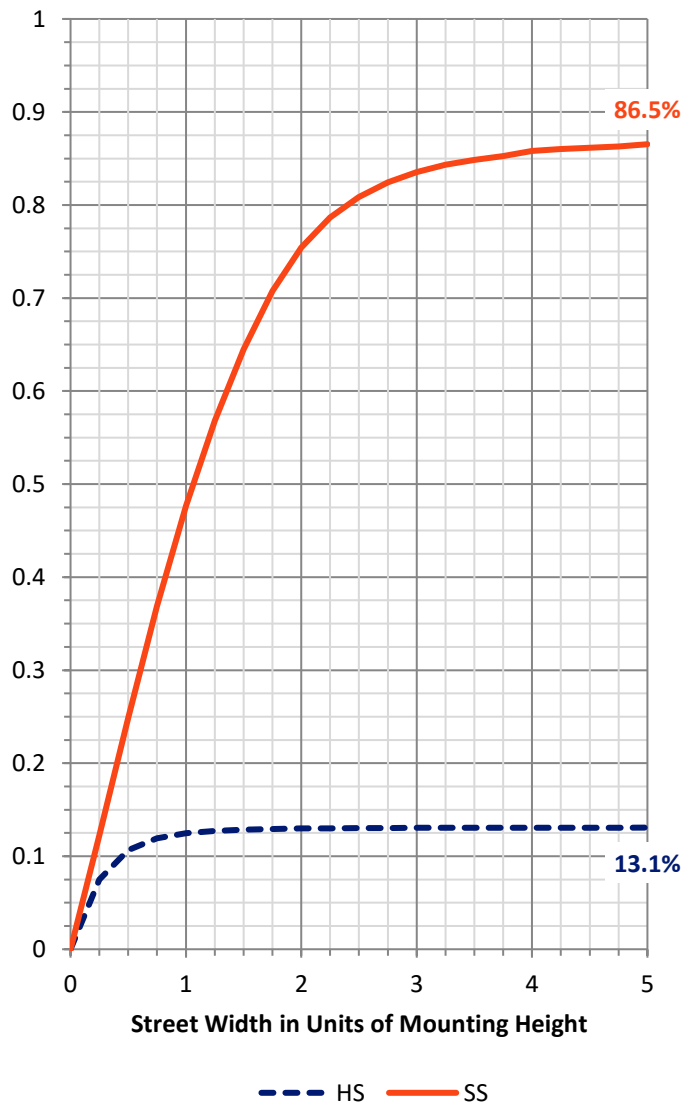
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	25.8	0.0	25.8
	% Fixture	13.2	0.0	13.2
<b>Street Side</b>	Lumens	169.4	0.0	169.4
	% Fixture	86.8	0.0	86.8
<b>Total</b>	Lumens	195.2	0.0	195.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.2	1.6
10°-20°	8.5	4.4
20°-30°	14.4	7.4
30°-40°	22.2	11.4
40°-50°	30.3	15.5
50°-60°	41.2	21.1
60°-70°	51.3	26.3
70°-80°	22.3	11.4
80°-90°	1.9	1.0
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°	195.2	100.0
0°-180°	195.2	100.0

**Coefficient of Utilization**



REPORT NUMBER: P394729

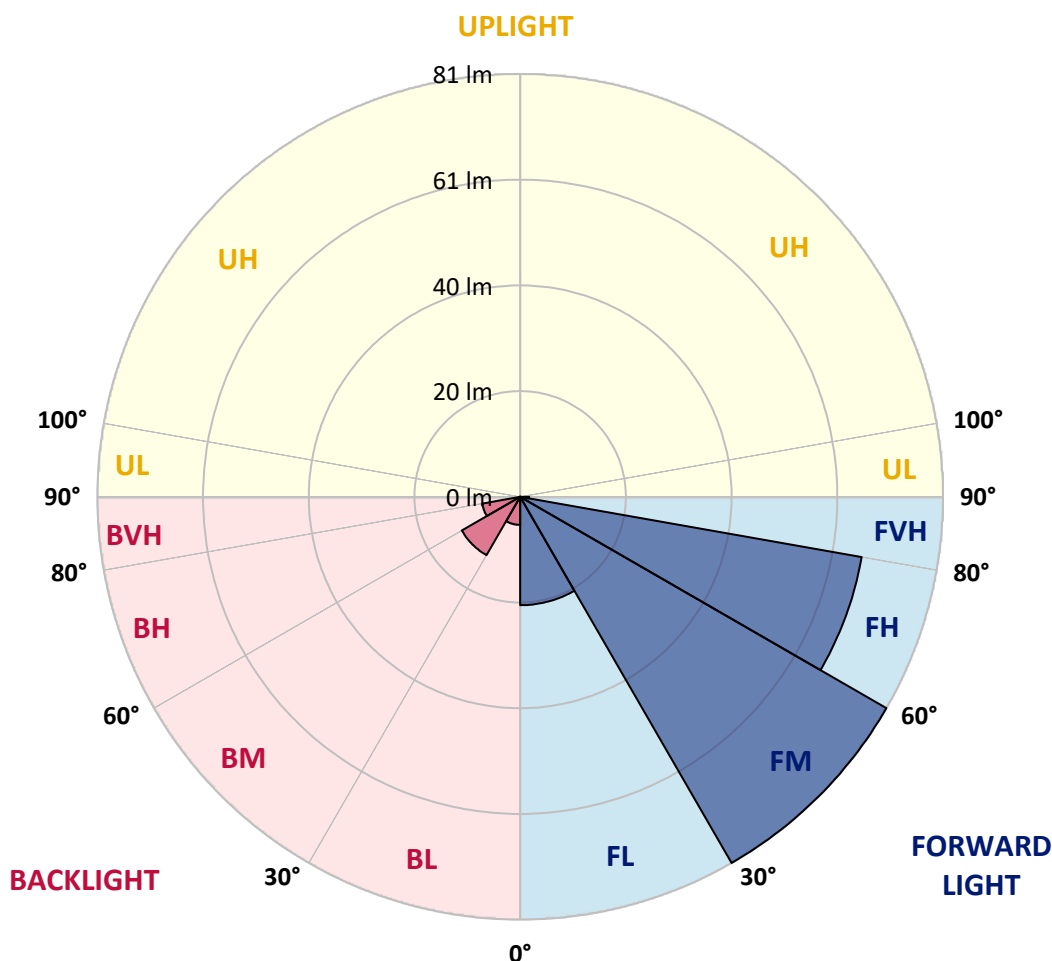
CATALOG NUMBER: 303-B1-LEDB1-TSAM-UNV-T4-DIM10

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	20.7	10.6			
FM (30°-60°)	80.8	41.4			
FH (60°-80°)	66.2	33.9			G0/660
FVH (80°-90°)	1.7	0.9			G0/10
BL (0°-30°)	5.4	2.7	B0/110		
BM (30°-60°)	12.9	6.6	B0/220		
BH (60°-80°)	7.4	3.8	B0/110		G0/110
BVH (80°-90°)	0.1	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 III Short





REPORT NUMBER: P394729

CATALOG NUMBER: 303-B1-LEDB1-TSAM-UNV-T4-DIM10

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47.5°	55°	65°	75°	85°
0°	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
2.5°	60.7	59.8	59.8	57.7	57.1	55.3	54.7	53.2	45.5	39.8	38.6
5°	56.5	57.1	58.9	60.4	64.6	64.3	64.3	58.9	52.3	48.5	39.5
7.5°	53.8	53.5	51.7	50.8	50.8	52.9	53.5	57.1	52.3	47.3	40.1
10°	54.7	54.4	54.4	54.7	53.8	49.7	48.8	47.6	50.8	45.8	39.2
12.5°	50.0	49.1	50.2	51.1	53.8	51.4	52.3	47.9	45.2	45.8	39.5
15°	49.4	49.1	48.8	48.8	49.7	51.1	51.7	50.2	42.8	45.2	39.2
17.5°	51.1	50.5	50.0	49.1	48.8	49.1	50.0	49.4	44.6	43.4	38.9
20°	52.6	51.4	50.8	50.5	50.0	47.9	49.4	48.8	46.1	41.0	39.2
22.5°	52.6	51.7	52.0	51.4	52.3	50.2	49.7	48.8	47.3	41.3	39.5
25°	53.2	52.6	52.3	52.6	52.6	51.4	52.3	49.7	48.2	42.5	39.5
27.5°	53.8	52.9	53.5	53.8	54.4	52.6	53.8	51.7	49.1	45.2	41.9
30°	55.0	54.4	55.3	55.6	55.3	54.1	55.6	53.5	51.4	47.6	42.8
32.5°	57.1	55.9	58.3	58.3	57.4	56.8	58.0	55.6	54.1	50.0	45.2
35°	59.5	59.2	60.1	61.6	61.9	59.2	60.4	58.9	56.8	53.2	48.2
37.5°	61.3	60.4	61.9	64.3	65.2	63.1	64.0	61.6	58.9	55.9	49.7
40°	62.2	61.6	64.3	67.9	69.4	67.6	68.2	65.5	61.3	56.2	50.8
42.5°	62.5	61.9	66.1	69.7	73.0	71.5	72.7	69.4	64.0	57.4	50.8
45°	63.7	64.3	67.3	71.2	76.0	76.0	76.6	72.7	66.4	58.9	51.7
47.5°	66.7	66.4	69.1	73.6	79.9	80.5	81.1	75.7	69.1	60.1	52.6
50°	67.6	68.5	72.1	76.0	82.3	85.2	87.6	81.1	72.4	62.2	54.4
52.5°	72.4	71.2	74.8	79.3	86.1	90.0	92.7	85.5	75.4	63.7	56.2
55°	73.9	77.2	79.6	84.3	91.5	96.0	96.3	90.3	79.0	66.4	58.6
57.5°	82.9	82.3	85.5	90.3	95.4	103.2	105.0	96.9	85.2	71.2	61.3
60°	87.9	87.0	92.7	99.3	107.1	116.1	116.4	106.2	92.1	76.3	64.6
62.5°	88.8	88.8	93.9	103.2	117.8	131.3	133.1	119.6	101.4	81.1	66.7
65°	80.5	80.2	87.0	99.6	115.5	136.4	139.1	127.1	101.7	79.6	64.3
67.5°	64.6	69.1	74.8	84.9	101.4	125.9	131.0	120.5	96.6	74.8	58.6
70°	55.6	59.8	62.5	70.6	81.7	99.9	106.2	103.2	82.3	64.0	49.4
72.5°	43.4	42.2	47.9	55.3	61.0	68.8	72.4	75.1	62.8	50.2	37.4
75°	26.6	26.9	29.6	35.0	41.3	44.9	46.1	43.1	40.7	32.3	24.5
77.5°	14.1	14.4	16.2	18.8	22.1	26.3	27.2	23.9	20.6	16.7	12.0
80°	8.4	8.4	9.3	10.2	12.0	12.0	12.0	12.0	9.0	8.1	4.5
82.5°	3.9	4.5	4.8	5.1	6.0	6.6	6.6	5.1	4.2	3.3	1.8
85°	2.4	2.4	2.4	2.4	2.4	2.7	2.7	2.1	1.8	1.5	0.6
87.5°	1.8	1.8	1.8	1.8	1.5	1.5	1.2	1.2	0.9	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



REPORT NUMBER: P394729

CATALOG NUMBER: 303-B1-LEDB1-TSAM-UNV-T4-DIM10

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
2.5°	38.3	38.3	38.0	37.4	23.0	20.3	17.0	15.3	14.7	13.8	14.4
5°	39.2	38.9	33.5	23.6	13.5	6.0	2.4	0.3	0.0	0.0	0.0
7.5°	39.2	39.2	31.7	21.5	12.3	3.9	0.9	0.0	0.0	0.0	0.0
10°	39.5	38.9	31.7	21.5	10.8	4.8	0.6	0.0	0.0	0.0	0.0
12.5°	39.5	38.9	31.4	21.8	12.9	5.7	0.6	0.0	0.0	0.0	0.0
15°	39.5	39.2	31.7	22.1	14.1	6.0	0.3	0.0	0.0	0.0	0.0
17.5°	38.6	38.6	31.7	22.7	14.4	4.5	0.3	0.0	0.0	0.0	0.0
20°	38.9	38.3	28.7	22.7	13.5	5.4	0.3	0.0	0.0	0.0	0.0
22.5°	38.3	37.7	28.4	23.0	12.9	6.3	0.3	0.0	0.0	0.0	0.0
25°	38.6	37.7	29.3	23.3	15.3	6.3	0.3	0.0	0.0	0.0	0.0
27.5°	39.5	38.9	31.4	23.0	16.5	6.3	0.3	0.0	0.0	0.0	0.0
30°	41.0	39.8	31.4	21.8	16.5	6.3	0.3	0.0	0.0	0.0	0.0
32.5°	43.1	41.3	32.3	23.6	15.9	6.0	0.3	0.0	0.0	0.0	0.0
35°	45.2	42.2	31.7	22.4	14.7	5.4	0.3	0.0	0.0	0.0	0.0
37.5°	46.1	42.8	31.1	21.2	13.2	4.5	0.3	0.0	0.0	0.0	0.0
40°	46.7	43.1	30.5	19.1	11.4	3.0	0.3	0.0	0.0	0.0	0.0
42.5°	47.0	42.8	29.0	17.0	9.6	3.0	0.3	0.0	0.0	0.0	0.0
45°	47.6	43.4	27.2	15.3	7.8	3.0	0.3	0.0	0.0	0.0	0.0
47.5°	48.8	43.1	26.3	13.2	6.3	2.4	0.3	0.0	0.0	0.0	0.0
50°	50.2	43.4	26.0	11.7	5.4	2.1	0.3	0.0	0.0	0.0	0.0
52.5°	52.0	44.6	26.3	10.8	4.8	1.8	0.3	0.0	0.0	0.0	0.0
55°	53.2	47.0	26.6	10.2	4.5	1.8	0.3	0.0	0.0	0.0	0.0
57.5°	55.9	48.8	28.1	9.9	4.2	1.5	0.0	0.0	0.0	0.0	0.0
60°	58.9	51.1	29.6	9.6	4.2	1.8	0.0	0.0	0.0	0.0	0.0
62.5°	59.2	52.9	29.9	9.6	3.9	1.8	0.0	0.0	0.0	0.0	0.0
65°	56.8	50.2	29.9	8.7	3.6	1.5	0.0	0.0	0.0	0.0	0.0
67.5°	50.5	45.2	26.9	7.8	3.0	1.5	0.3	0.0	0.0	0.0	0.0
70°	41.9	37.1	23.3	6.6	2.7	1.2	0.3	0.0	0.0	0.0	0.0
72.5°	31.7	28.7	18.8	5.1	2.1	0.9	0.3	0.0	0.0	0.0	0.0
75°	20.0	18.5	13.5	3.6	1.8	0.6	0.3	0.0	0.0	0.0	0.0
77.5°	9.9	10.5	7.5	2.7	1.2	0.6	0.0	0.0	0.0	0.0	0.0
80°	3.0	3.3	3.3	1.5	0.9	0.3	0.0	0.0	0.0	0.0	0.0
82.5°	1.5	1.5	1.2	0.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.6	0.6	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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	0.0

(END OF REPORT)