

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: P394711

Luminaire Tested: **303-B1-LEDB1-TSAM-UNV-T2-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394711
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-1)
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-T2-DIM10
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, ONE LIGHTBAR, TYPE 2
Light Source: AMBER LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 187.5 lumens
Efficiency: N/A
Efficacy: 28.8 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

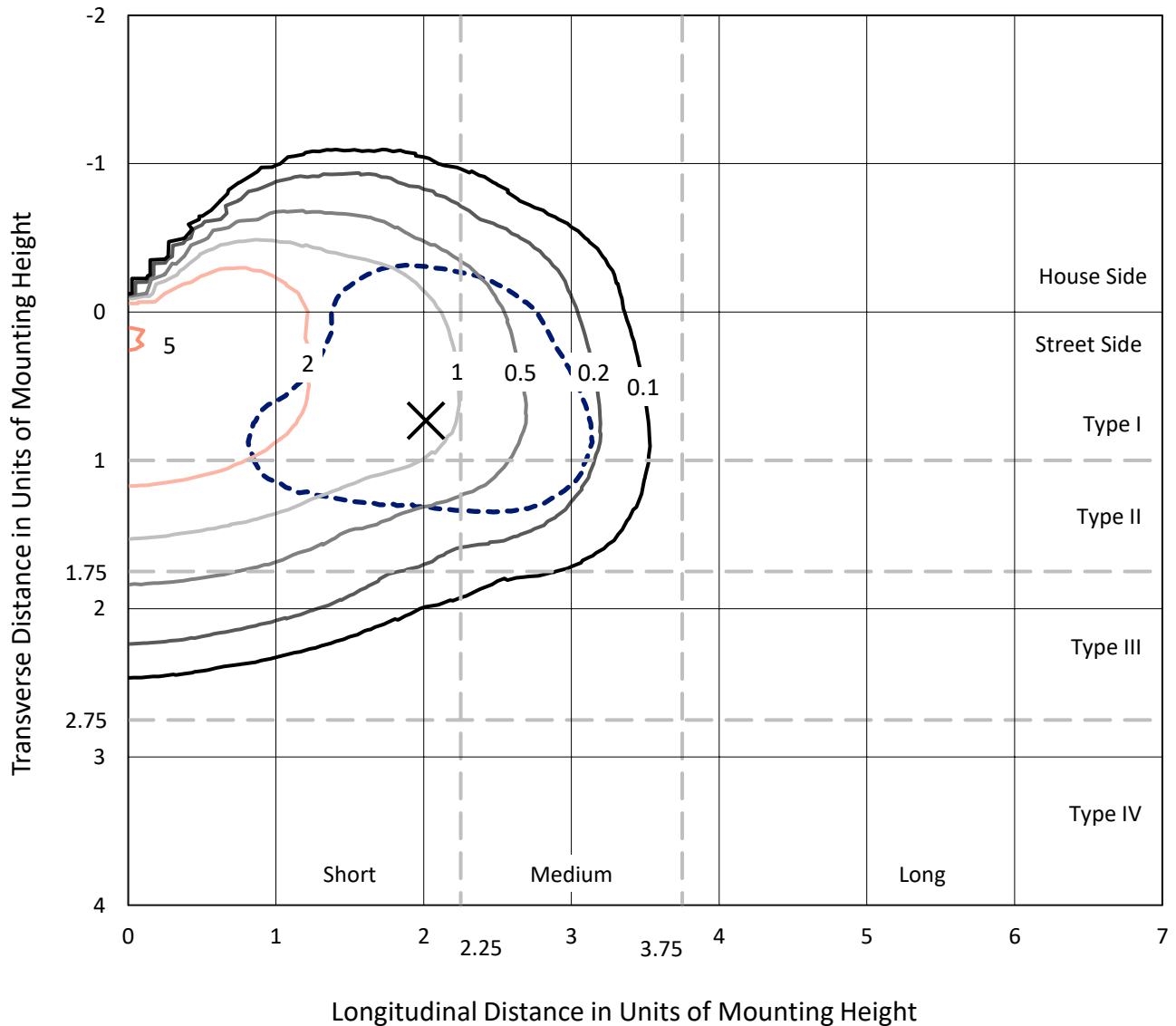
Input Watts (W): 6.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P394711
 CATALOG NUMBER: 303-B1-LEDB1-TSAM-UNV-T2-DIM10

Iso-Footcandle Lines of Horizontal Illumination

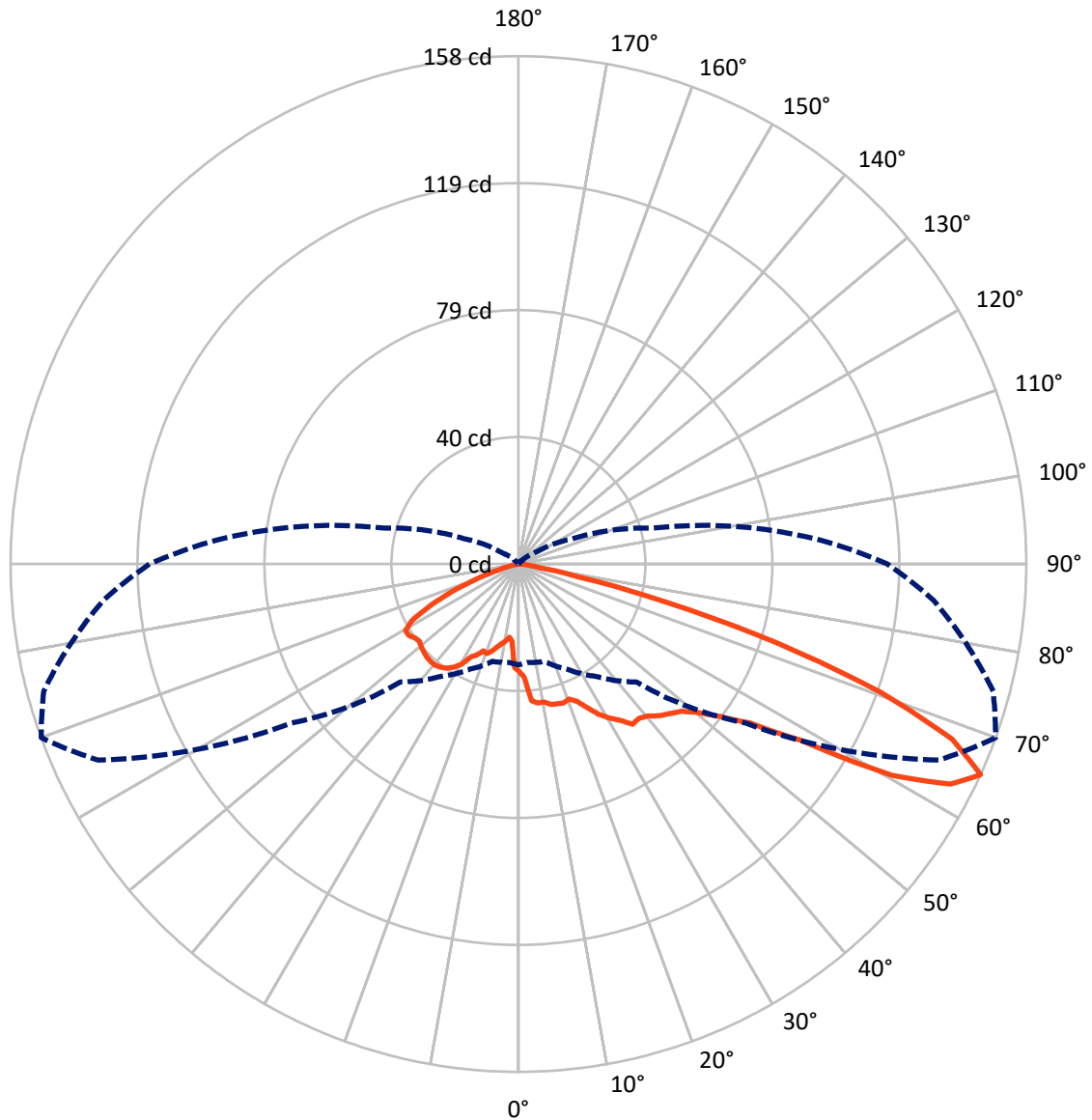
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 5.2 fc
 Type II - Short - N/A

REPORT NUMBER: P394711
CATALOG NUMBER: 303-B1-LEDB1-TSAM-UNV-T2-DIM10

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P394711

CATALOG NUMBER: 303-B1-LEDB1-TSAM-UNV-T2-DIM10

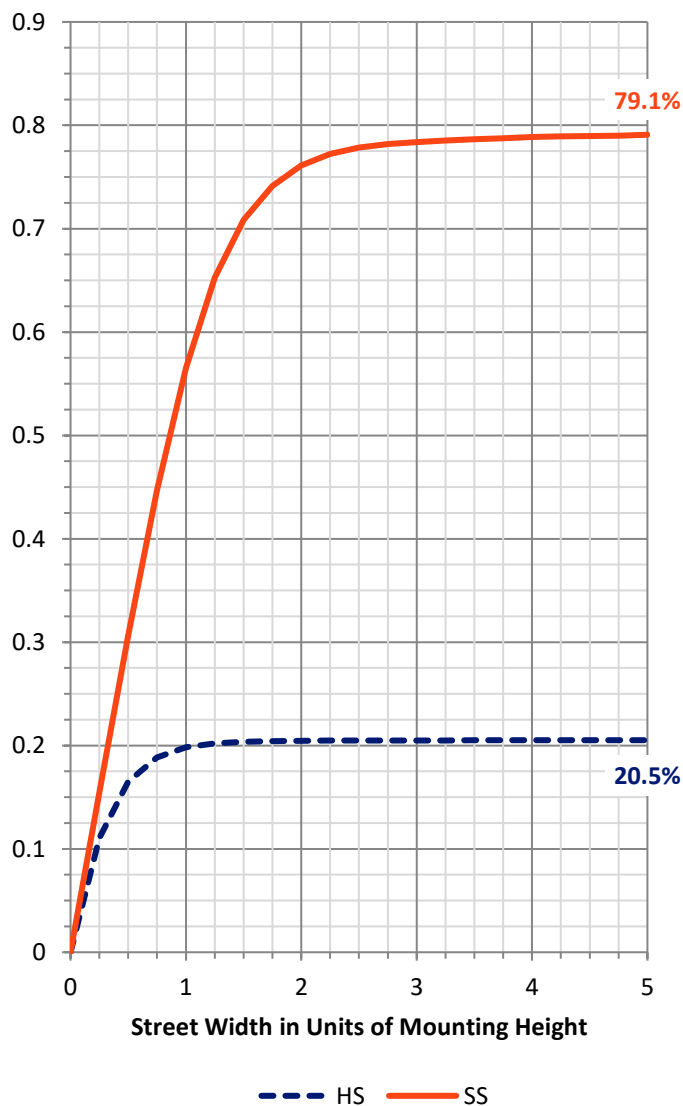
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	38.8	0.0	38.8
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	148.7	0.0	148.7
	% Fixture	79.3	0.0	79.3
Total	Lumens	187.5	0.0	187.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	1.5
10°-20°	8.4	4.5
20°-30°	15.0	8.0
30°-40°	23.7	12.6
40°-50°	33.4	17.8
50°-60°	43.8	23.4
60°-70°	45.4	24.2
70°-80°	13.7	7.3
80°-90°	1.2	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°	187.5	100.0
0°-180°	187.5	100.0

Coefficient of Utilization



REPORT NUMBER: P394711

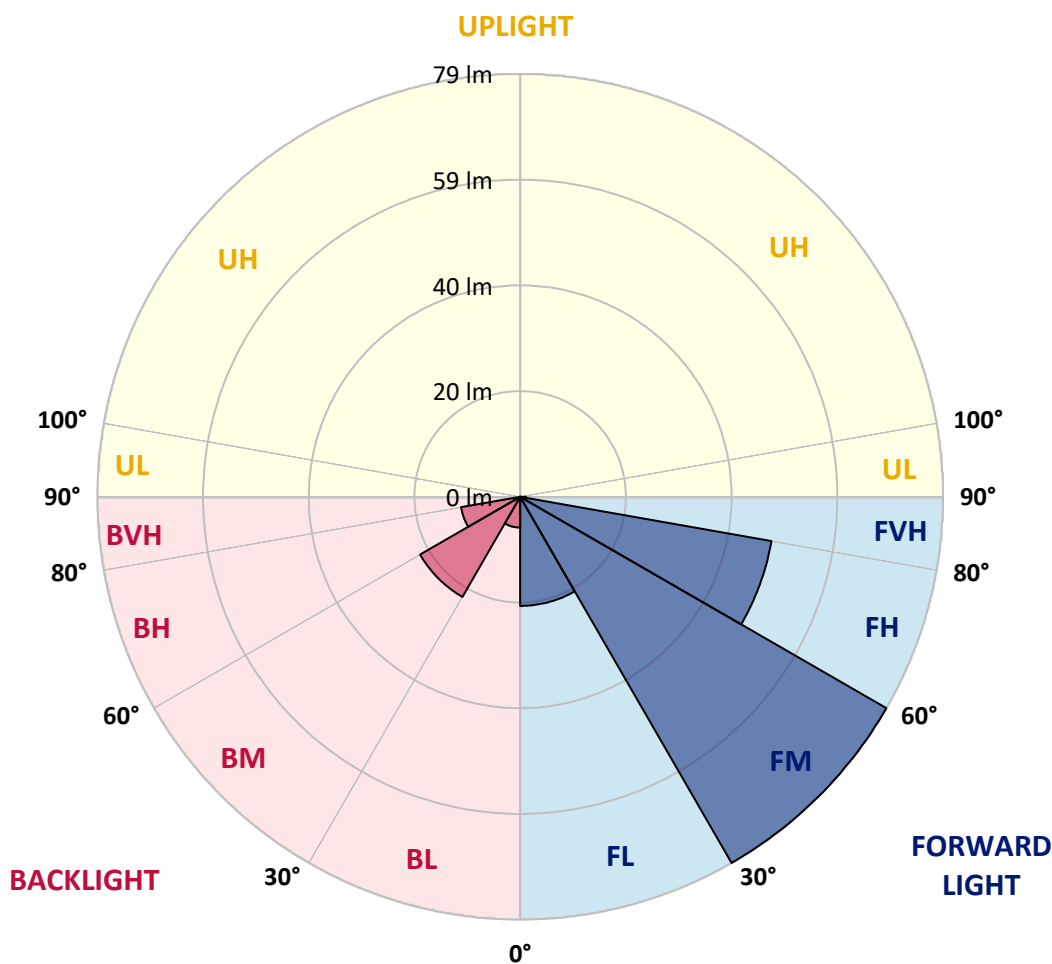
CATALOG NUMBER: 303-B1-LEDB1-TSAM-UNV-T2-DIM10

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	20.5	10.9			
FM (30°-60°)	79.3	42.3			
FH (60°-80°)	47.8	25.5			G0/660
FVH (80°-90°)	1.1	0.6			G0/10
BL (0°-30°)	5.8	3.1	B0/110		
BM (30°-60°)	21.7	11.6	B0/220		
BH (60°-80°)	11.3	6.0	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 II Short





REPORT NUMBER: P394711

CATALOG NUMBER: 303-B1-LEDB1-TSAM-UNV-T2-DIM10

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
2.5°	52.9	50.2	49.7	50.0	47.9	47.0	44.3	37.4	35.3	34.1	33.5
5°	54.4	53.8	54.4	55.3	54.7	54.1	50.5	45.5	42.8	40.4	34.1
7.5°	47.0	47.3	47.6	49.4	51.4	52.6	49.4	45.8	43.7	40.4	35.0
10°	49.1	48.2	48.2	47.6	46.7	46.7	48.5	46.1	43.7	41.3	35.9
12.5°	49.7	48.5	50.0	50.5	50.8	47.0	45.8	46.7	44.9	42.2	37.1
15°	49.7	47.9	48.2	50.0	50.5	50.2	46.1	44.3	45.2	43.1	38.6
17.5°	49.4	47.0	47.6	48.8	48.8	51.7	49.1	43.7	45.5	44.3	40.4
20°	49.4	49.1	48.8	48.5	48.5	50.0	50.0	46.1	44.9	46.1	42.2
22.5°	50.8	49.4	49.7	50.0	48.8	50.2	50.5	49.7	46.4	46.4	44.3
25°	49.7	49.4	49.4	50.5	51.4	51.4	51.1	51.7	49.4	47.3	46.7
27.5°	50.5	50.2	50.2	50.8	52.0	53.8	52.3	54.1	52.9	49.7	48.8
30°	51.4	50.8	51.4	52.3	53.5	55.0	54.1	55.6	55.6	52.0	51.1
32.5°	55.3	52.3	52.6	53.8	55.6	57.4	56.8	56.8	58.0	55.6	53.2
35°	56.2	54.4	55.0	56.5	58.3	60.1	60.1	59.8	61.3	58.9	55.6
37.5°	57.1	57.1	57.1	59.8	61.0	63.1	61.9	61.3	61.0	59.5	56.2
40°	59.8	59.8	60.1	62.2	64.0	66.1	64.3	62.5	62.2	61.3	59.2
42.5°	63.1	62.8	64.0	64.9	67.6	69.4	68.5	65.5	64.6	62.5	61.6
45°	66.7	64.9	64.9	68.5	70.6	73.0	72.4	67.6	66.4	64.9	64.3
47.5°	65.8	65.8	65.5	69.4	72.7	76.6	77.5	70.9	68.5	66.4	66.4
50°	66.1	65.8	67.0	69.7	74.8	79.3	81.4	76.3	72.7	70.6	67.9
52.5°	64.6	65.8	65.2	70.0	74.8	81.1	84.6	82.6	79.0	77.2	72.1
55°	58.9	58.9	61.3	67.3	75.1	82.0	89.4	89.1	87.3	84.6	81.1
57.5°	53.8	52.9	53.8	59.2	70.9	82.3	95.7	104.7	103.5	101.1	102.3
60°	44.9	43.4	46.4	52.3	64.0	79.0	99.6	128.0	133.7	129.8	127.1
62.5°	38.3	38.6	39.8	44.6	52.6	67.0	97.2	140.9	151.0	148.4	135.2
65°	31.4	30.8	31.4	36.2	42.8	52.0	86.4	144.5	158.2	153.1	129.8
67.5°	18.2	17.9	18.8	23.0	31.1	38.0	65.2	131.9	145.7	142.1	115.5
70°	9.3	9.6	9.9	11.4	17.0	26.0	43.7	104.4	119.6	122.3	90.6
72.5°	7.2	6.9	7.2	7.5	9.3	15.3	29.6	72.4	84.3	85.8	61.9
75°	5.1	5.1	5.4	5.4	5.7	7.5	21.8	43.4	47.3	44.0	25.1
77.5°	4.2	4.2	3.9	3.9	3.9	4.5	13.5	20.0	19.1	18.2	7.2
80°	3.3	3.3	3.3	3.3	3.3	3.3	6.0	8.4	6.6	7.5	3.3
82.5°	2.7	2.7	2.7	2.4	2.4	2.4	2.7	3.6	3.3	4.5	1.8
85°	2.4	2.1	2.1	2.1	2.1	1.8	1.8	1.5	1.5	1.5	0.6
87.5°	2.1	2.1	2.1	1.8	1.8	1.5	1.2	0.9	0.9	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



REPORT NUMBER: P394711

CATALOG NUMBER: 303-B1-LEDB1-TSAM-UNV-T2-DIM10

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
2.5°	33.8	33.2	33.2	31.4	21.5	15.9	15.0	14.4	13.2	12.0	11.7
5°	34.1	33.8	28.4	20.0	11.1	3.6	0.6	0.0	0.0	0.0	0.0
7.5°	34.4	34.4	28.1	17.9	11.4	4.2	0.6	0.0	0.0	0.0	0.0
10°	35.6	35.3	29.0	19.7	10.2	4.8	0.3	0.0	0.0	0.0	0.0
12.5°	36.8	37.1	30.5	20.3	12.0	5.1	0.3	0.0	0.0	0.0	0.0
15°	38.0	38.6	32.3	21.2	12.9	5.1	0.3	0.0	0.0	0.0	0.0
17.5°	39.8	40.4	34.4	22.4	13.8	5.4	0.3	0.0	0.0	0.0	0.0
20°	41.9	42.5	35.9	23.3	15.0	5.7	0.3	0.0	0.0	0.0	0.0
22.5°	44.3	45.2	33.8	24.5	13.5	5.7	0.3	0.0	0.0	0.0	0.0
25°	46.4	47.0	35.9	26.3	13.2	6.0	0.3	0.0	0.0	0.0	0.0
27.5°	48.5	49.4	39.2	25.7	17.0	6.3	0.3	0.0	0.0	0.0	0.0
30°	51.1	52.0	42.5	29.0	17.9	6.3	0.3	0.0	0.0	0.0	0.0
32.5°	54.1	54.4	45.8	29.9	19.1	6.3	0.0	0.0	0.0	0.0	0.0
35°	56.2	56.8	47.6	31.1	19.1	6.3	0.0	0.0	0.0	0.0	0.0
37.5°	58.0	58.6	48.8	31.7	19.1	6.3	0.0	0.0	0.0	0.0	0.0
40°	59.8	61.0	49.7	32.0	18.8	6.0	0.0	0.0	0.0	0.0	0.0
42.5°	62.2	62.8	49.7	32.0	17.3	3.0	0.0	0.0	0.0	0.0	0.0
45°	64.3	64.0	50.0	31.4	17.0	5.7	0.3	0.0	0.0	0.0	0.0
47.5°	66.7	65.5	50.0	30.5	14.1	5.7	0.3	0.0	0.0	0.0	0.0
50°	69.1	66.7	49.7	29.9	15.6	5.1	0.3	0.0	0.0	0.0	0.0
52.5°	72.7	68.8	49.4	28.7	14.7	4.8	0.3	0.0	0.0	0.0	0.0
55°	82.0	76.6	50.8	28.4	13.5	4.2	0.3	0.0	0.0	0.0	0.0
57.5°	98.4	88.2	53.2	28.4	12.0	3.6	0.0	0.0	0.0	0.0	0.0
60°	114.9	99.9	54.4	27.2	9.9	3.0	0.0	0.0	0.0	0.0	0.0
62.5°	121.1	101.1	50.8	24.5	7.8	2.4	0.0	0.0	0.0	0.0	0.0
65°	114.9	92.1	43.1	18.5	5.7	1.8	0.0	0.0	0.0	0.0	0.0
67.5°	100.2	80.8	34.1	13.5	4.2	1.5	0.0	0.0	0.0	0.0	0.0
70°	79.6	64.0	23.9	8.7	2.7	0.9	0.0	0.0	0.0	0.0	0.0
72.5°	50.5	42.2	14.4	5.1	1.8	0.6	0.0	0.0	0.0	0.0	0.0
75°	18.2	17.3	7.2	3.0	1.2	0.3	0.0	0.0	0.0	0.0	0.0
77.5°	6.0	5.4	3.0	1.5	0.6	0.3	0.0	0.0	0.0	0.0	0.0
80°	2.7	2.4	1.5	0.9	0.6	0.3	0.0	0.0	0.0	0.0	0.0
82.5°	1.5	1.5	0.9	0.6	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)