

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: P394730

Luminaire Tested: **303-B1-LEDB2-TSAM-UNV-T4-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394730
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-LEDB2-TSAM-UNV-T4-DIM10
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, TWO LIGHTBAR, TYPE 4
Light Source: AMBER LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 390.4 lumens
Efficiency: N/A
Efficacy: 32.3 lumens/watt
Luminous Opening: Rectangular (W 0.38' x L: 0.42' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G0

Input Watts (W): 12.1
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

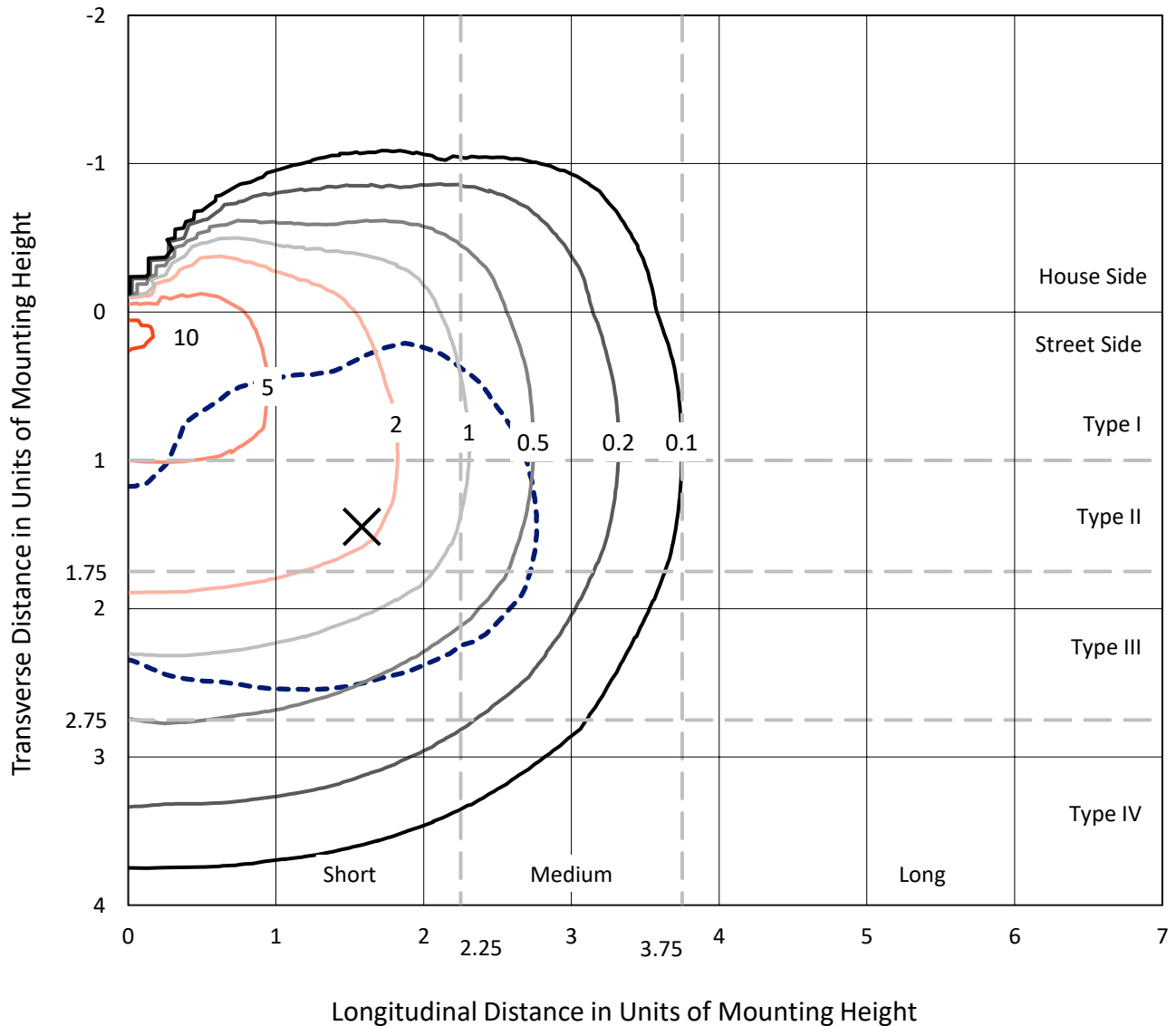


REPORT NUMBER: P394730

CATALOG NUMBER: 303-B1-LEDB2-TSAM-UNV-T4-DIM10

Iso-Footcandle Lines of Horizontal Illumination

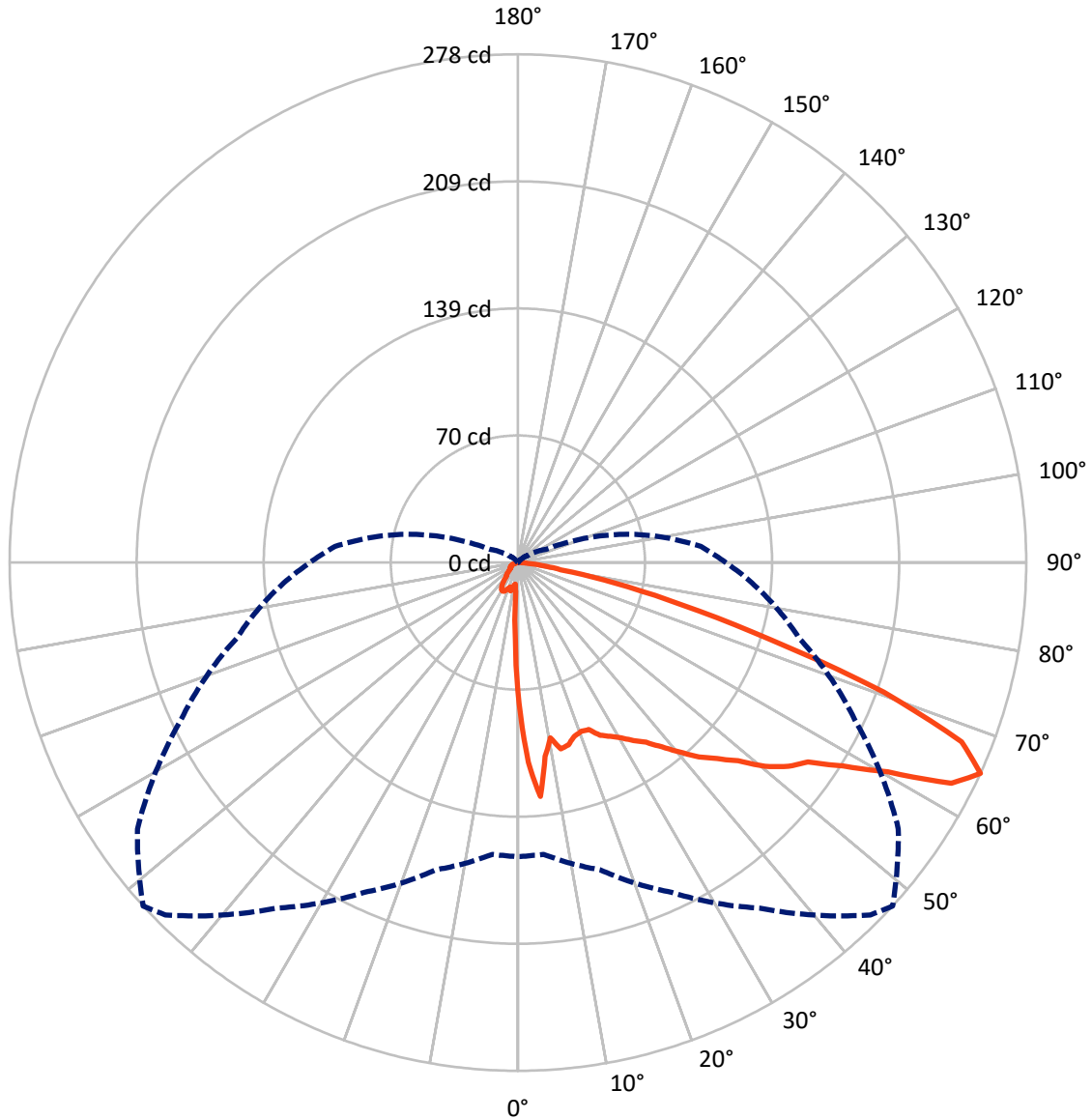
✕ Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 11.8 fc
 Type III - Short - N/A

REPORT NUMBER: P394730
CATALOG NUMBER: 303-B1-LEDB2-TSAM-UNV-T4-DIM10

Luminous Intensity Polar Plot



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

REPORT NUMBER: P394730

CATALOG NUMBER: 303-B1-LEDB2-TSAM-UNV-T4-DIM10

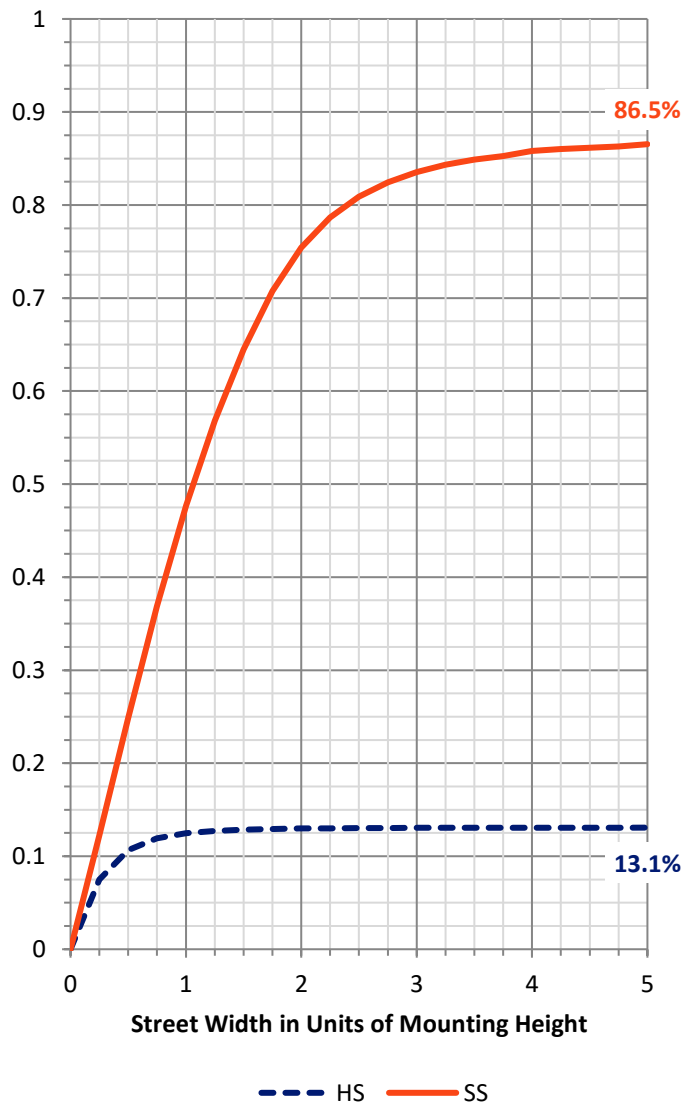
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	51.5	0.0	51.5
	% Fixture	13.2	0.0	13.2
Street Side	Lumens	338.9	0.0	338.9
	% Fixture	86.8	0.0	86.8
Total	Lumens	390.4	0.0	390.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.3	1.6
10°-20°	17.0	4.4
20°-30°	28.8	7.4
30°-40°	44.3	11.4
40°-50°	60.7	15.5
50°-60°	82.3	21.1
60°-70°	102.6	26.3
70°-80°	44.6	11.4
80°-90°	3.7	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°	390.4	100.0
0°-180°	390.4	100.0

Coefficient of Utilization



REPORT NUMBER: P394730

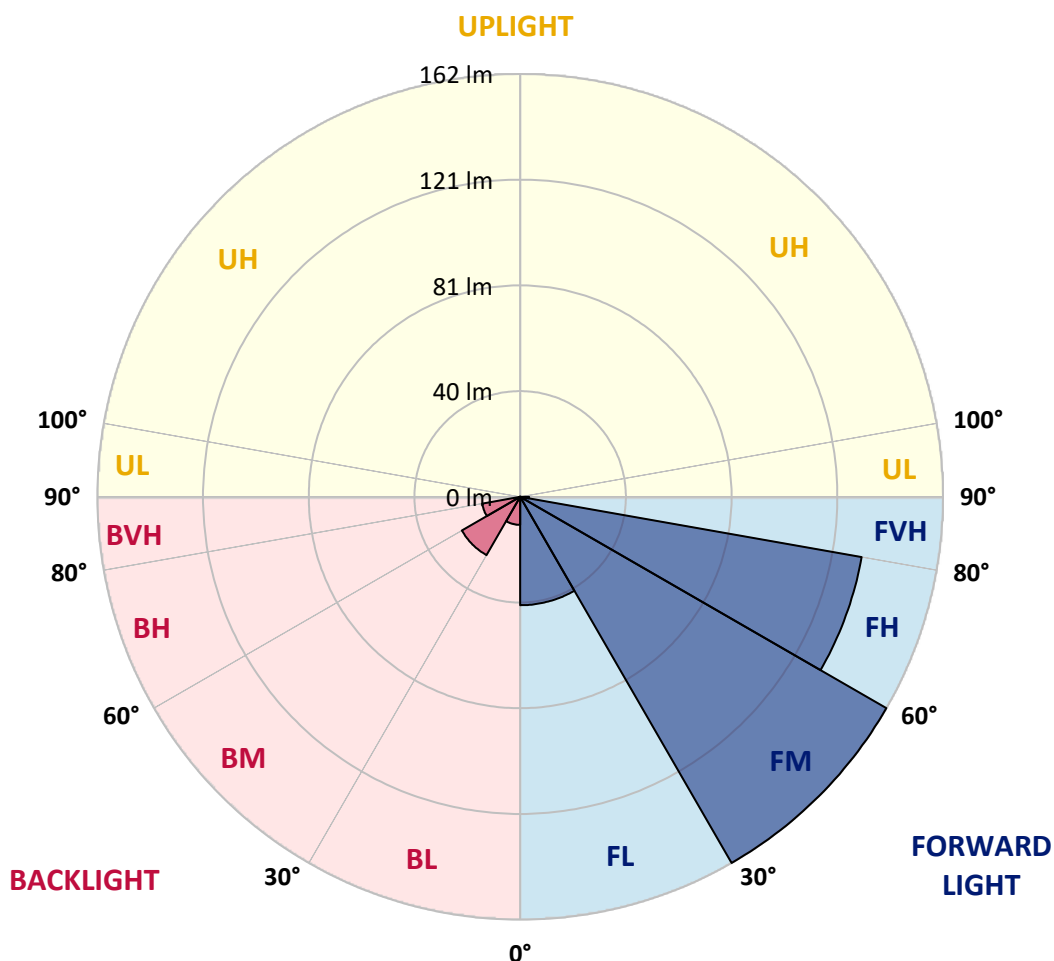
CATALOG NUMBER: 303-B1-LEDB2-TSAM-UNV-T4-DIM10

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	41.4	10.6			
FM (30°-60°)	161.6	41.4			
FH (60°-80°)	132.5	33.9			G0/660
FVH (80°-90°)	3.4	0.9			G0/10
BL (0°-30°)	10.7	2.7	B0/110		
BM (30°-60°)	25.8	6.6	B0/220		
BH (60°-80°)	14.7	3.8	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 III Short





REPORT NUMBER: P394730

CATALOG NUMBER: 303-B1-LEDB2-TSAM-UNV-T4-DIM10

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47.5°	55°	65°	75°	85°
0°	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
2.5°	121.4	119.6	119.6	115.5	114.3	110.7	109.5	106.5	90.9	79.6	77.2
5°	113.1	114.3	117.8	120.8	129.2	128.6	128.6	117.8	104.7	96.9	79.0
7.5°	107.7	107.1	103.5	101.7	101.7	105.9	107.1	114.3	104.7	94.5	80.2
10°	109.5	108.9	108.9	109.5	107.7	99.3	97.5	95.1	101.7	91.5	78.4
12.5°	99.9	98.1	100.5	102.3	107.7	102.9	104.7	95.7	90.3	91.5	79.0
15°	98.7	98.1	97.5	97.5	99.3	102.3	103.5	100.5	85.5	90.3	78.4
17.5°	102.3	101.1	99.9	98.1	97.5	98.1	99.9	98.7	89.1	86.7	77.8
20°	105.3	102.9	101.7	101.1	99.9	95.7	98.7	97.5	92.1	82.0	78.4
22.5°	105.3	103.5	104.1	102.9	104.7	100.5	99.3	97.5	94.5	82.6	79.0
25°	106.5	105.3	104.7	105.3	105.3	102.9	104.7	99.3	96.3	84.9	79.0
27.5°	107.7	105.9	107.1	107.7	108.9	105.3	107.7	103.5	98.1	90.3	83.7
30°	110.1	108.9	110.7	111.3	110.7	108.3	111.3	107.1	102.9	95.1	85.5
32.5°	114.3	111.9	116.7	116.7	114.9	113.7	116.1	111.3	108.3	99.9	90.3
35°	119.0	118.4	120.2	123.2	123.8	118.4	120.8	117.8	113.7	106.5	96.3
37.5°	122.6	120.8	123.8	128.6	130.4	126.2	128.0	123.2	117.8	111.9	99.3
40°	124.4	123.2	128.6	135.8	138.8	135.2	136.4	131.0	122.6	112.5	101.7
42.5°	125.0	123.8	132.2	139.4	146.0	143.0	145.4	138.8	128.0	114.9	101.7
45°	127.4	128.6	134.6	142.4	151.9	151.9	153.1	145.4	132.8	117.8	103.5
47.5°	133.4	132.8	138.2	147.2	159.7	160.9	162.1	151.3	138.2	120.2	105.3
50°	135.2	137.0	144.2	151.9	164.5	170.5	175.3	162.1	144.8	124.4	108.9
52.5°	144.8	142.4	149.6	158.5	172.3	180.1	185.4	171.1	150.7	127.4	112.5
55°	147.8	154.3	159.1	168.7	183.1	192.0	192.6	180.7	157.9	132.8	117.2
57.5°	165.7	164.5	171.1	180.7	190.8	206.4	210.0	193.8	170.5	142.4	122.6
60°	175.9	174.1	185.4	198.6	214.2	232.1	232.7	212.4	184.2	152.5	129.2
62.5°	177.7	177.7	187.8	206.4	235.7	262.6	266.2	239.3	202.8	162.1	133.4
65°	160.9	160.3	174.1	199.2	230.9	272.8	278.2	254.2	203.4	159.1	128.6
67.5°	129.2	138.2	149.6	169.9	202.8	251.8	262.0	241.1	193.2	149.6	117.2
70°	111.3	119.6	125.0	141.2	163.3	199.8	212.4	206.4	164.5	128.0	98.7
72.5°	86.7	84.3	95.7	110.7	122.0	137.6	144.8	150.2	125.6	100.5	74.8
75°	53.2	53.8	59.2	70.0	82.6	89.7	92.1	86.1	81.4	64.6	49.1
77.5°	28.1	28.7	32.3	37.7	44.3	52.6	54.4	47.9	41.3	33.5	23.9
80°	16.7	16.7	18.5	20.3	23.9	23.9	23.9	23.9	17.9	16.2	9.0
82.5°	7.8	9.0	9.6	10.2	12.0	13.2	13.2	10.2	8.4	6.6	3.6
85°	4.8	4.8	4.8	4.8	4.8	5.4	5.4	4.2	3.6	3.0	1.2
87.5°	3.6	3.6	3.6	3.6	3.0	3.0	2.4	2.4	1.8	0.6	0.6
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: P394730

CATALOG NUMBER: 303-B1-LEDB2-TSAM-UNV-T4-DIM10

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
2.5°	76.6	76.6	76.0	74.8	46.1	40.7	34.1	30.5	29.3	27.5	28.7
5°	78.4	77.8	67.0	47.3	26.9	12.0	4.8	0.6	0.0	0.0	0.0
7.5°	78.4	78.4	63.4	43.1	24.5	7.8	1.8	0.0	0.0	0.0	0.0
10°	79.0	77.8	63.4	43.1	21.5	9.6	1.2	0.0	0.0	0.0	0.0
12.5°	79.0	77.8	62.8	43.7	25.7	11.4	1.2	0.0	0.0	0.0	0.0
15°	79.0	78.4	63.4	44.3	28.1	12.0	0.6	0.0	0.0	0.0	0.0
17.5°	77.2	77.2	63.4	45.5	28.7	9.0	0.6	0.0	0.0	0.0	0.0
20°	77.8	76.6	57.4	45.5	26.9	10.8	0.6	0.0	0.0	0.0	0.0
22.5°	76.6	75.4	56.8	46.1	25.7	12.6	0.6	0.0	0.0	0.0	0.0
25°	77.2	75.4	58.6	46.7	30.5	12.6	0.6	0.0	0.0	0.0	0.0
27.5°	79.0	77.8	62.8	46.1	32.9	12.6	0.6	0.0	0.0	0.0	0.0
30°	82.0	79.6	62.8	43.7	32.9	12.6	0.6	0.0	0.0	0.0	0.0
32.5°	86.1	82.6	64.6	47.3	31.7	12.0	0.6	0.0	0.0	0.0	0.0
35°	90.3	84.3	63.4	44.9	29.3	10.8	0.6	0.0	0.0	0.0	0.0
37.5°	92.1	85.5	62.2	42.5	26.3	9.0	0.6	0.0	0.0	0.0	0.0
40°	93.3	86.1	61.0	38.3	22.7	6.0	0.6	0.0	0.0	0.0	0.0
42.5°	93.9	85.5	58.0	34.1	19.1	6.0	0.6	0.0	0.0	0.0	0.0
45°	95.1	86.7	54.4	30.5	15.6	6.0	0.6	0.0	0.0	0.0	0.0
47.5°	97.5	86.1	52.6	26.3	12.6	4.8	0.6	0.0	0.0	0.0	0.0
50°	100.5	86.7	52.0	23.3	10.8	4.2	0.6	0.0	0.0	0.0	0.0
52.5°	104.1	89.1	52.6	21.5	9.6	3.6	0.6	0.0	0.0	0.0	0.0
55°	106.5	93.9	53.2	20.3	9.0	3.6	0.6	0.0	0.0	0.0	0.0
57.5°	111.9	97.5	56.2	19.7	8.4	3.0	0.0	0.0	0.0	0.0	0.0
60°	117.8	102.3	59.2	19.1	8.4	3.6	0.0	0.0	0.0	0.0	0.0
62.5°	118.4	105.9	59.8	19.1	7.8	3.6	0.0	0.0	0.0	0.0	0.0
65°	113.7	100.5	59.8	17.3	7.2	3.0	0.0	0.0	0.0	0.0	0.0
67.5°	101.1	90.3	53.8	15.6	6.0	3.0	0.6	0.0	0.0	0.0	0.0
70°	83.7	74.2	46.7	13.2	5.4	2.4	0.6	0.0	0.0	0.0	0.0
72.5°	63.4	57.4	37.7	10.2	4.2	1.8	0.6	0.0	0.0	0.0	0.0
75°	40.1	37.1	26.9	7.2	3.6	1.2	0.6	0.0	0.0	0.0	0.0
77.5°	19.7	20.9	15.0	5.4	2.4	1.2	0.0	0.0	0.0	0.0	0.0
80°	6.0	6.6	6.6	3.0	1.8	0.6	0.0	0.0	0.0	0.0	0.0
82.5°	3.0	3.0	2.4	1.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.2	1.2	0.6	0.6	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)