

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: P394712

Luminaire Tested: **303-B1-LEDB2-TSAM-UNV-T2-DIM10**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P394712  
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-LEDB2-TSAM-UNV-T2-DIM10  
Description: LUMIERE EON LED LUMINAIRE  
BOLLARD, SINGLE HEAD, TWO LIGHTBAR, TYPE 2  
Light Source: AMBER LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 375 lumens  
Efficiency: N/A  
Efficacy: 31.0 lumens/watt  
Luminous Opening: Rectangular (W 0.38' x L: 0.42' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B0 - U0 - G0

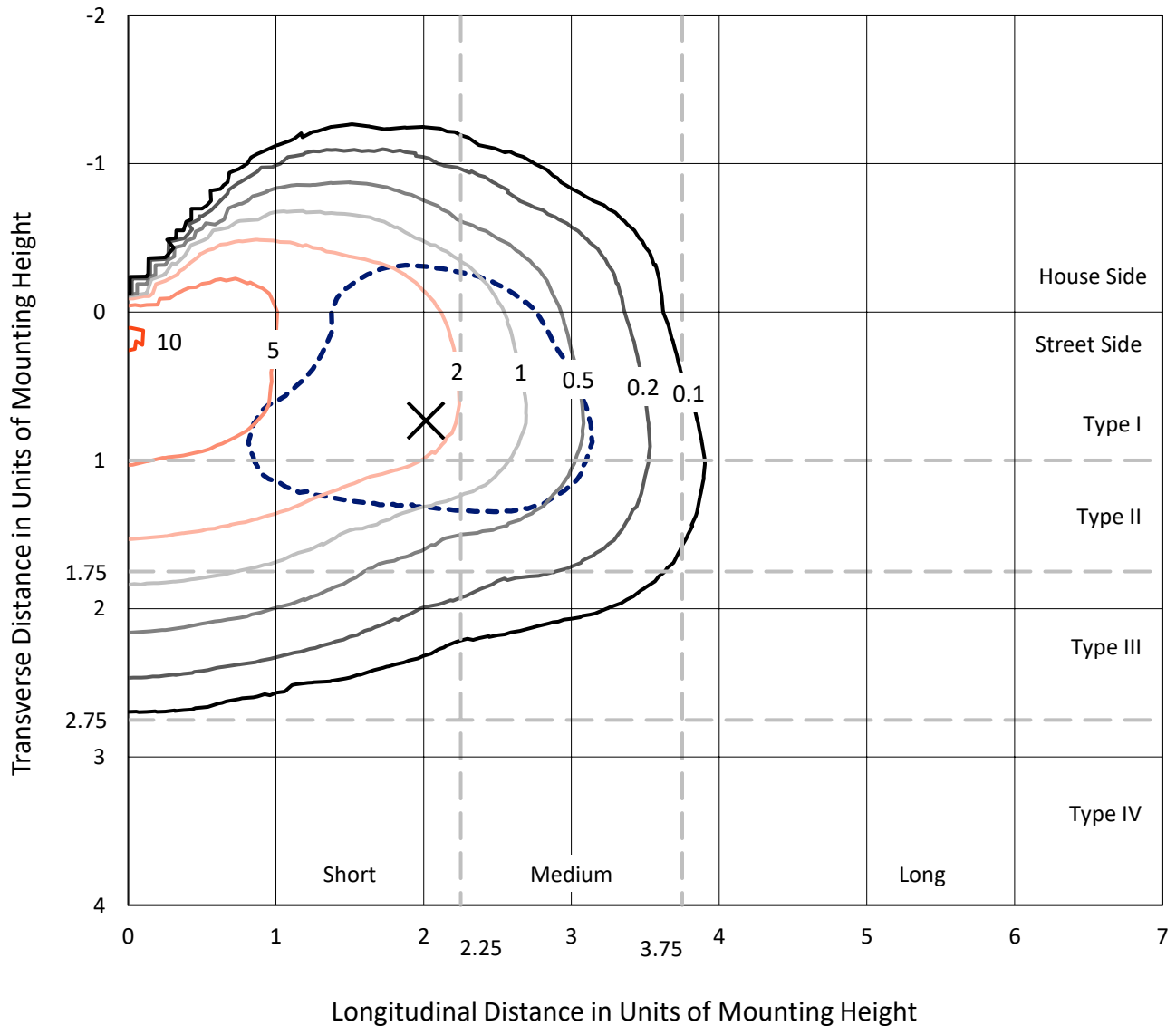
Input Watts (W): 12.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

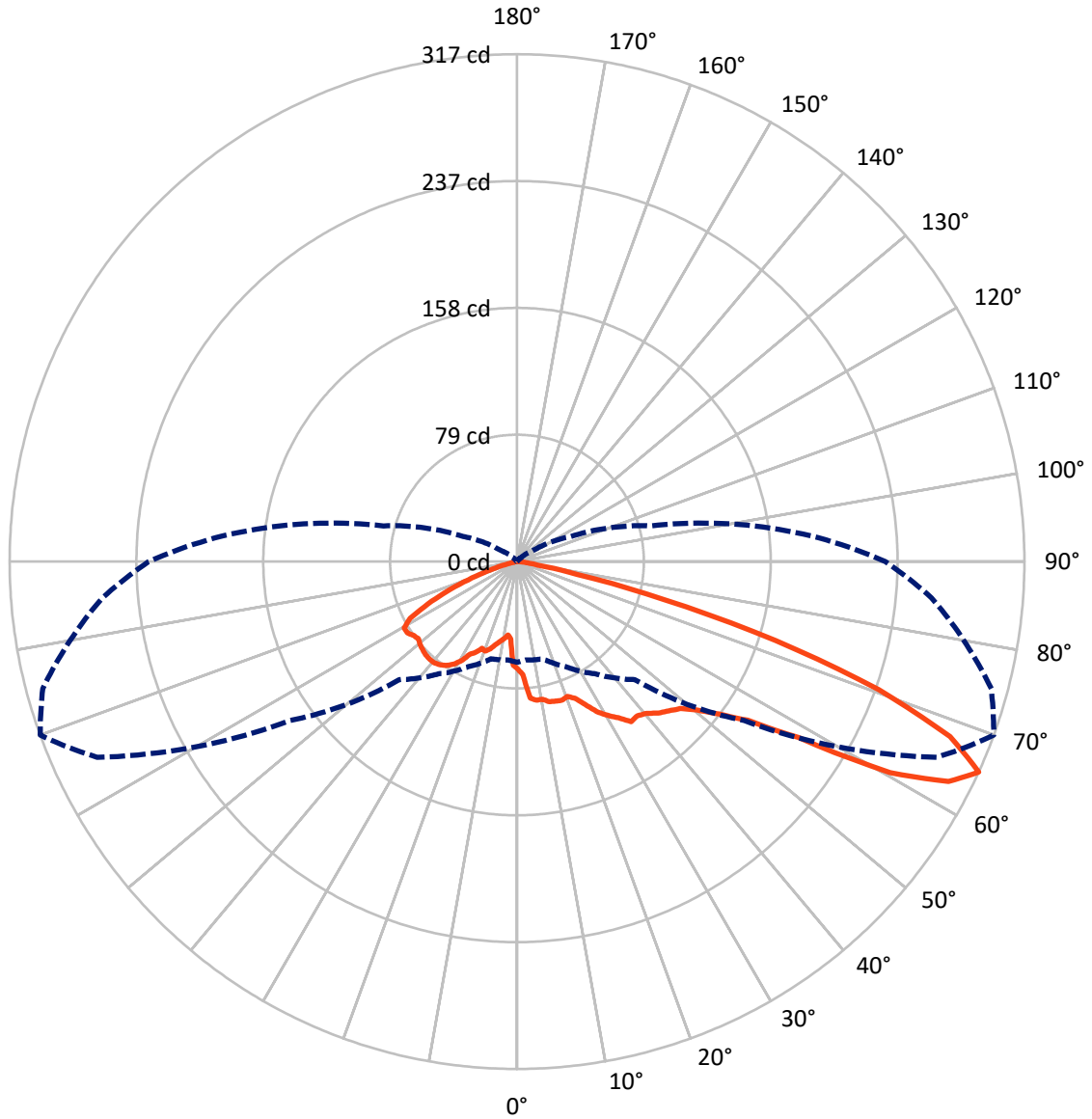
× Max cd  
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 10.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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

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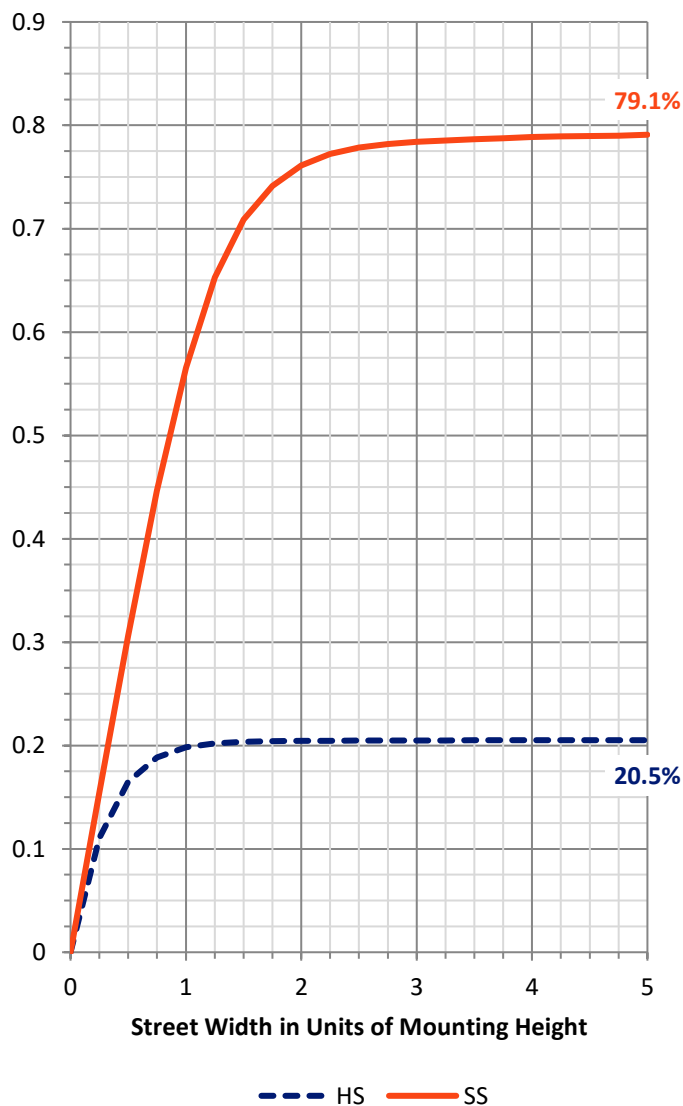
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	77.6	0.0	77.6
	% Fixture	20.7	0.0	20.7
<b>Street Side</b>	Lumens	297.4	0.0	297.4
	% Fixture	79.3	0.0	79.3
<b>Total</b>	Lumens	375.0	0.0	375.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.6	1.5
10°-20°	16.8	4.5
20°-30°	30.0	8.0
30°-40°	47.5	12.7
40°-50°	66.9	17.8
50°-60°	87.6	23.4
60°-70°	90.9	24.2
70°-80°	27.3	7.3
80°-90°	2.4	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°	375.0	100.0
0°-180°	375.0	100.0



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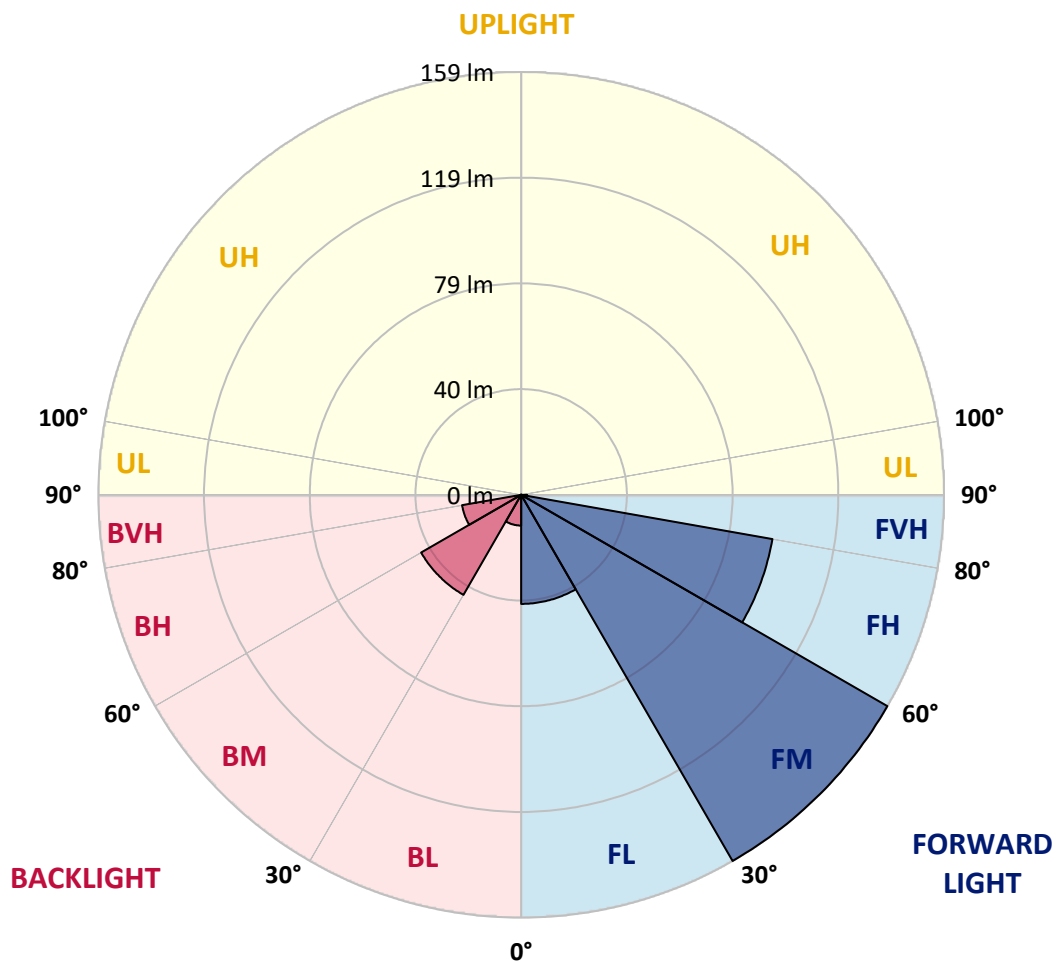
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	40.9	10.9			
FM (30°-60°)	158.6	42.3			
FH (60°-80°)	95.7	25.5			G0/660
FVH (80°-90°)	2.2	0.6			G0/10
BL (0°-30°)	11.5	3.1	B0/110		
BM (30°-60°)	43.3	11.6	B0/220		
BH (60°-80°)	22.5	6.0	B0/110		G0/110
BVH (80°-90°)	0.2	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°	70°	75°	85°
0°	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
2.5°	105.9	100.5	99.3	99.9	95.7	93.9	88.5	74.8	70.6	68.2	67.0
5°	108.9	107.7	108.9	110.7	109.5	108.3	101.1	90.9	85.5	80.8	68.2
7.5°	93.9	94.5	95.1	98.7	102.9	105.3	98.7	91.5	87.3	80.8	70.0
10°	98.1	96.3	96.3	95.1	93.3	93.3	96.9	92.1	87.3	82.6	71.8
12.5°	99.3	96.9	99.9	101.1	101.7	93.9	91.5	93.3	89.7	84.3	74.2
15°	99.3	95.7	96.3	99.9	101.1	100.5	92.1	88.5	90.3	86.1	77.2
17.5°	98.7	93.9	95.1	97.5	97.5	103.5	98.1	87.3	90.9	88.5	80.8
20°	98.7	98.1	97.5	96.9	96.9	99.9	99.9	92.1	89.7	92.1	84.3
22.5°	101.7	98.7	99.3	99.9	97.5	100.5	101.1	99.3	92.7	92.7	88.5
25°	99.3	98.7	98.7	101.1	102.9	102.9	102.3	103.5	98.7	94.5	93.3
27.5°	101.1	100.5	100.5	101.7	104.1	107.7	104.7	108.3	105.9	99.3	97.5
30°	102.9	101.7	102.9	104.7	107.1	110.1	108.3	111.3	111.3	104.1	102.3
32.5°	110.7	104.7	105.3	107.7	111.3	114.9	113.7	113.7	116.1	111.3	106.5
35°	112.5	108.9	110.1	113.1	116.7	120.2	120.2	119.6	122.6	117.8	111.3
37.5°	114.3	114.3	114.3	119.6	122.0	126.2	123.8	122.6	122.0	119.0	112.5
40°	119.6	119.6	120.2	124.4	128.0	132.2	128.6	125.0	124.4	122.6	118.4
42.5°	126.2	125.6	128.0	129.8	135.2	138.8	137.0	131.0	129.2	125.0	123.2
45°	133.4	129.8	129.8	137.0	141.2	146.0	144.8	135.2	132.8	129.8	128.6
47.5°	131.6	131.6	131.0	138.8	145.4	153.1	154.9	141.8	137.0	132.8	132.8
50°	132.2	131.6	134.0	139.4	149.6	158.5	162.7	152.5	145.4	141.2	135.8
52.5°	129.2	131.6	130.4	140.0	149.6	162.1	169.3	165.1	157.9	154.3	144.2
55°	117.8	117.8	122.6	134.6	150.2	163.9	178.9	178.3	174.7	169.3	162.1
57.5°	107.7	105.9	107.7	118.4	141.8	164.5	191.4	209.4	207.0	202.2	204.6
60°	89.7	86.7	92.7	104.7	128.0	157.9	199.2	256.0	267.4	259.6	254.2
62.5°	76.6	77.2	79.6	89.1	105.3	134.0	194.4	281.8	302.1	296.7	270.4
65°	62.8	61.6	62.8	72.4	85.5	104.1	172.9	288.9	316.5	306.3	259.6
67.5°	36.5	35.9	37.7	46.1	62.2	76.0	130.4	263.8	291.3	284.2	230.9
70°	18.5	19.1	19.7	22.7	34.1	52.0	87.3	208.8	239.3	244.7	181.3
72.5°	14.4	13.8	14.4	15.0	18.5	30.5	59.2	144.8	168.7	171.7	123.8
75°	10.2	10.2	10.8	10.8	11.4	15.0	43.7	86.7	94.5	87.9	50.2
77.5°	8.4	8.4	7.8	7.8	7.8	9.0	26.9	40.1	38.3	36.5	14.4
80°	6.6	6.6	6.6	6.6	6.6	6.6	12.0	16.7	13.2	15.0	6.6
82.5°	5.4	5.4	5.4	4.8	4.8	4.8	5.4	7.2	6.6	9.0	3.6
85°	4.8	4.2	4.2	4.2	4.2	3.6	3.6	3.0	3.0	3.0	1.2
87.5°	4.2	4.2	4.2	3.6	3.6	3.0	2.4	1.8	1.8	1.2	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
2.5°	67.6	66.4	66.4	62.8	43.1	31.7	29.9	28.7	26.3	23.9	23.3
5°	68.2	67.6	56.8	40.1	22.1	7.2	1.2	0.0	0.0	0.0	0.0
7.5°	68.8	68.8	56.2	35.9	22.7	8.4	1.2	0.0	0.0	0.0	0.0
10°	71.2	70.6	58.0	39.5	20.3	9.6	0.6	0.0	0.0	0.0	0.0
12.5°	73.6	74.2	61.0	40.7	23.9	10.2	0.6	0.0	0.0	0.0	0.0
15°	76.0	77.2	64.6	42.5	25.7	10.2	0.6	0.0	0.0	0.0	0.0
17.5°	79.6	80.8	68.8	44.9	27.5	10.8	0.6	0.0	0.0	0.0	0.0
20°	83.7	84.9	71.8	46.7	29.9	11.4	0.6	0.0	0.0	0.0	0.0
22.5°	88.5	90.3	67.6	49.1	26.9	11.4	0.6	0.0	0.0	0.0	0.0
25°	92.7	93.9	71.8	52.6	26.3	12.0	0.6	0.0	0.0	0.0	0.0
27.5°	96.9	98.7	78.4	51.4	34.1	12.6	0.6	0.0	0.0	0.0	0.0
30°	102.3	104.1	84.9	58.0	35.9	12.6	0.6	0.0	0.0	0.0	0.0
32.5°	108.3	108.9	91.5	59.8	38.3	12.6	0.0	0.0	0.0	0.0	0.0
35°	112.5	113.7	95.1	62.2	38.3	12.6	0.0	0.0	0.0	0.0	0.0
37.5°	116.1	117.2	97.5	63.4	38.3	12.6	0.0	0.0	0.0	0.0	0.0
40°	119.6	122.0	99.3	64.0	37.7	12.0	0.0	0.0	0.0	0.0	0.0
42.5°	124.4	125.6	99.3	64.0	34.7	6.0	0.0	0.0	0.0	0.0	0.0
45°	128.6	128.0	99.9	62.8	34.1	11.4	0.6	0.0	0.0	0.0	0.0
47.5°	133.4	131.0	99.9	61.0	28.1	11.4	0.6	0.0	0.0	0.0	0.0
50°	138.2	133.4	99.3	59.8	31.1	10.2	0.6	0.0	0.0	0.0	0.0
52.5°	145.4	137.6	98.7	57.4	29.3	9.6	0.6	0.0	0.0	0.0	0.0
55°	163.9	153.1	101.7	56.8	26.9	8.4	0.6	0.0	0.0	0.0	0.0
57.5°	196.8	176.5	106.5	56.8	23.9	7.2	0.0	0.0	0.0	0.0	0.0
60°	229.7	199.8	108.9	54.4	19.7	6.0	0.0	0.0	0.0	0.0	0.0
62.5°	242.3	202.2	101.7	49.1	15.6	4.8	0.0	0.0	0.0	0.0	0.0
65°	229.7	184.2	86.1	37.1	11.4	3.6	0.0	0.0	0.0	0.0	0.0
67.5°	200.4	161.5	68.2	26.9	8.4	3.0	0.0	0.0	0.0	0.0	0.0
70°	159.1	128.0	47.9	17.3	5.4	1.8	0.0	0.0	0.0	0.0	0.0
72.5°	101.1	84.3	28.7	10.2	3.6	1.2	0.0	0.0	0.0	0.0	0.0
75°	36.5	34.7	14.4	6.0	2.4	0.6	0.0	0.0	0.0	0.0	0.0
77.5°	12.0	10.8	6.0	3.0	1.2	0.6	0.0	0.0	0.0	0.0	0.0
80°	5.4	4.8	3.0	1.8	1.2	0.6	0.0	0.0	0.0	0.0	0.0
82.5°	3.0	3.0	1.8	1.2	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)