

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: P394706

Luminaire Tested: **303-B1-LEDB1-3000-UNV-T2-DIM10**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P394706  
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-LEDB1-3000-UNV-T2-DIM10  
Description: LUMIERE EON LED LUMINAIRE  
BOLLARD, SINGLE HEAD, ONE LIGHTBAR, TYPE 2  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 576.5 lumens  
Efficiency: N/A  
Efficacy: 69.5 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

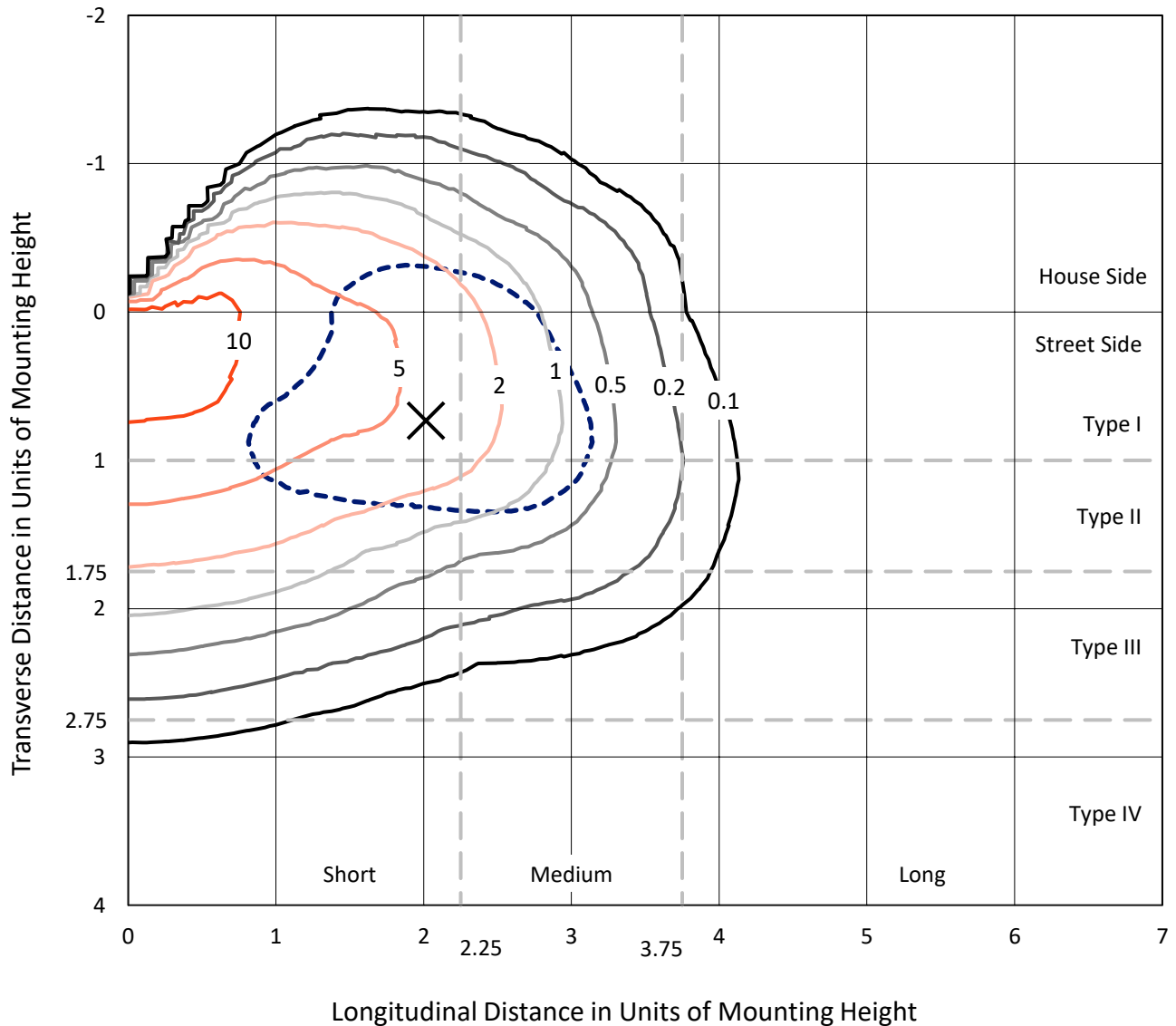
Input Watts (W): 8.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

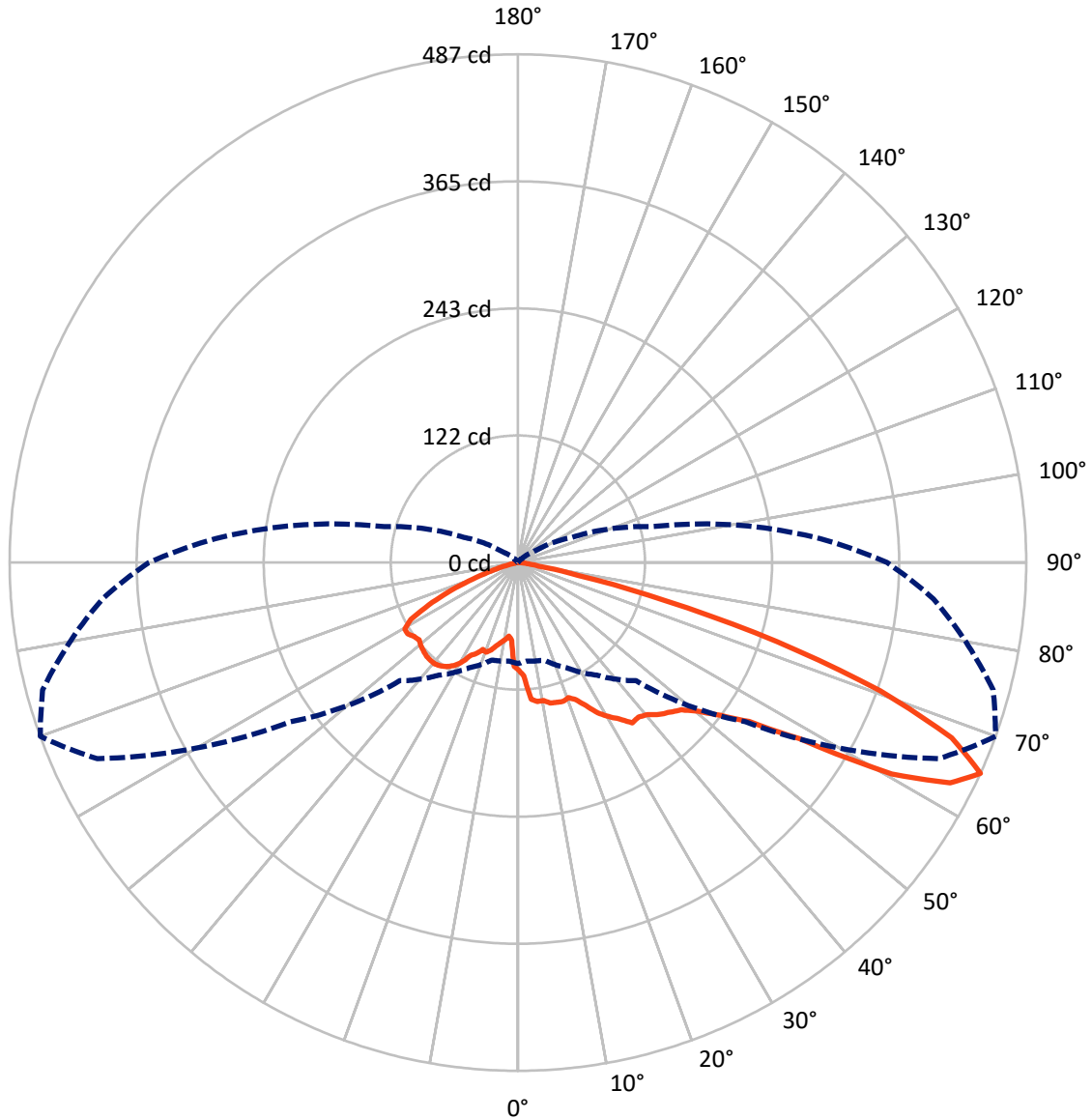
× Max cd  
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 16.1 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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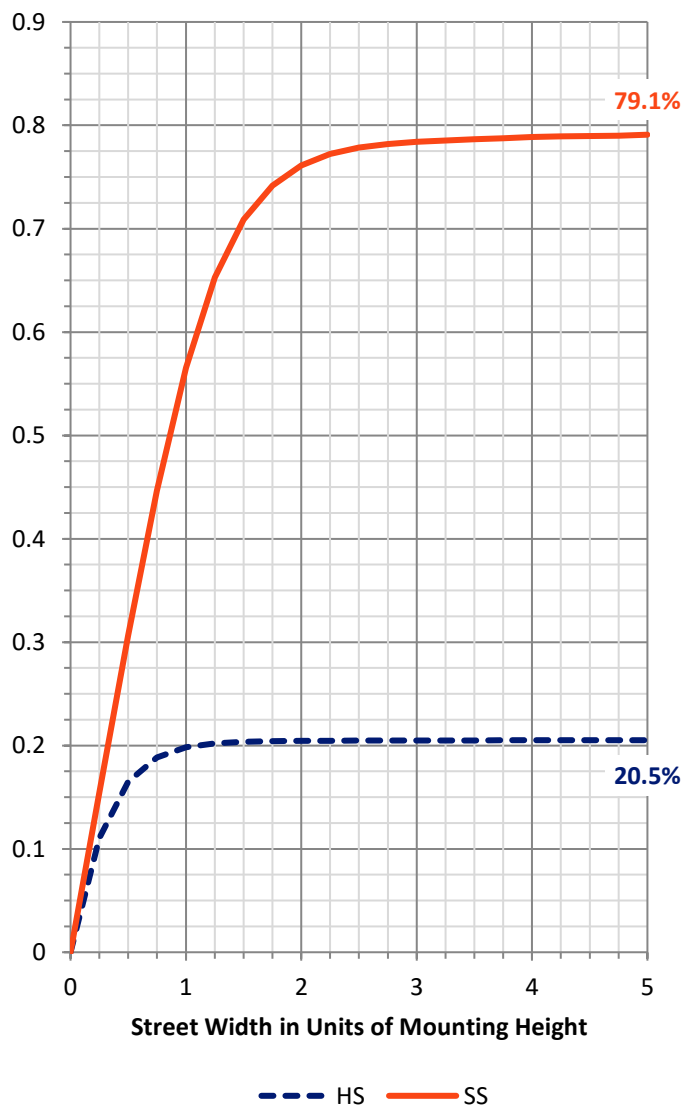
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	119.3	0.0	119.3
	% Fixture	20.7	0.0	20.7
<b>Street Side</b>	Lumens	457.2	0.0	457.2
	% Fixture	79.3	0.0	79.3
<b>Total</b>	Lumens	576.5	0.0	576.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.7	1.5
10°-20°	25.8	4.5
20°-30°	46.2	8.0
30°-40°	73.0	12.7
40°-50°	102.8	17.8
50°-60°	134.7	23.4
60°-70°	139.7	24.2
70°-80°	42.0	7.3
80°-90°	3.7	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°	576.5	100.0
0°-180°	576.5	100.0

**Coefficient of Utilization**



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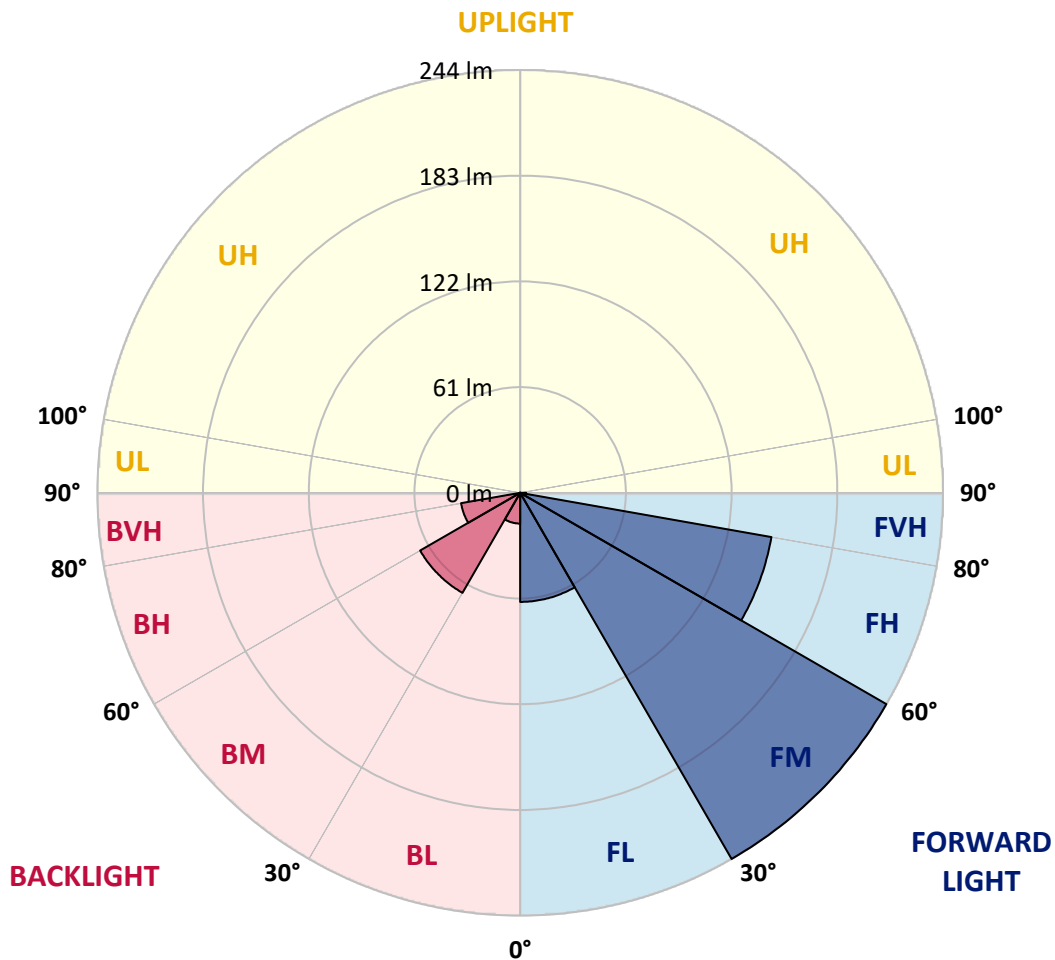
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	62.9	10.9			
FM (30°-60°)	243.8	42.3			
FH (60°-80°)	147.1	25.5			G0/660
FVH (80°-90°)	3.4	0.6			G0/10
BL (0°-30°)	17.7	3.1	B0/110		
BM (30°-60°)	66.6	11.6	B0/220		
BH (60°-80°)	34.6	6.0	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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0
2.5°	162.8	154.5	152.7	153.6	147.2	144.4	136.1	115.0	108.5	104.8	103.0
5°	167.4	165.5	167.4	170.1	168.3	166.5	155.4	139.8	131.5	124.2	104.8
7.5°	144.4	145.3	146.2	151.8	158.2	161.9	151.8	140.7	134.3	124.2	107.6
10°	150.8	148.1	148.1	146.2	143.5	143.5	149.0	141.6	134.3	126.9	110.4
12.5°	152.7	149.0	153.6	155.4	156.4	144.4	140.7	143.5	138.0	129.7	114.0
15°	152.7	147.2	148.1	153.6	155.4	154.5	141.6	136.1	138.9	132.4	118.6
17.5°	151.8	144.4	146.2	149.9	149.9	159.1	150.8	134.3	139.8	136.1	124.2
20°	151.8	150.8	149.9	149.0	149.0	153.6	153.6	141.6	138.0	141.6	129.7
22.5°	156.4	151.8	152.7	153.6	149.9	154.5	155.4	152.7	142.6	142.6	136.1
25°	152.7	151.8	151.8	155.4	158.2	158.2	157.3	159.1	151.8	145.3	143.5
27.5°	155.4	154.5	154.5	156.4	160.0	165.5	160.9	166.5	162.8	152.7	149.9
30°	158.2	156.4	158.2	160.9	164.6	169.2	166.5	171.1	171.1	160.0	157.3
32.5°	170.1	160.9	161.9	165.5	171.1	176.6	174.7	174.7	178.4	171.1	163.7
35°	172.9	167.4	169.2	173.8	179.3	184.9	184.9	183.9	188.5	181.2	171.1
37.5°	175.7	175.7	175.7	183.9	187.6	194.1	190.4	188.5	187.6	183.0	172.9
40°	183.9	183.9	184.9	191.3	196.8	203.3	197.7	192.2	191.3	188.5	182.1
42.5°	194.1	193.1	196.8	199.6	207.9	213.4	210.6	201.4	198.7	192.2	189.5
45°	205.1	199.6	199.6	210.6	217.1	224.4	222.6	207.9	204.2	199.6	197.7
47.5°	202.3	202.3	201.4	213.4	223.5	235.4	238.2	218.0	210.6	204.2	204.2
50°	203.3	202.3	206.0	214.3	229.9	243.7	250.2	234.5	223.5	217.1	208.8
52.5°	198.7	202.3	200.5	215.2	229.9	249.2	260.3	253.8	242.8	237.3	221.6
55°	181.2	181.2	188.5	206.9	230.8	252.0	275.0	274.1	268.6	260.3	249.2
57.5°	165.5	162.8	165.5	182.1	218.0	252.9	294.3	321.9	318.2	310.9	314.5
60°	138.0	133.4	142.6	160.9	196.8	242.8	306.3	393.6	411.1	399.2	390.9
62.5°	117.7	118.6	122.3	137.0	161.9	206.0	298.9	433.2	464.5	456.2	415.7
65°	96.6	94.7	96.6	111.3	131.5	160.0	265.8	444.2	486.5	470.9	399.2
67.5°	56.1	55.2	57.9	70.8	95.6	116.8	200.5	405.6	447.9	436.9	355.0
70°	28.5	29.4	30.4	34.9	52.4	80.0	134.3	321.0	367.9	376.2	278.7
72.5°	22.1	21.2	22.1	23.0	28.5	46.9	91.1	222.6	259.4	264.0	190.4
75°	15.6	15.6	16.6	16.6	17.5	23.0	67.1	133.4	145.3	135.2	77.3
77.5°	12.9	12.9	12.0	12.0	12.0	13.8	41.4	61.6	58.9	56.1	22.1
80°	10.1	10.1	10.1	10.1	10.1	10.1	18.4	25.8	20.2	23.0	10.1
82.5°	8.3	8.3	8.3	7.4	7.4	7.4	8.3	11.0	10.1	13.8	5.5
85°	7.4	6.4	6.4	6.4	6.4	5.5	5.5	4.6	4.6	4.6	1.8
87.5°	6.4	6.4	6.4	5.5	5.5	4.6	3.7	2.8	2.8	1.8	0.9
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°	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0
2.5°	103.9	102.1	102.1	96.6	66.2	48.7	46.0	44.1	40.5	36.8	35.9
5°	104.8	103.9	87.4	61.6	34.0	11.0	1.8	0.0	0.0	0.0	0.0
7.5°	105.8	105.8	86.5	55.2	34.9	12.9	1.8	0.0	0.0	0.0	0.0
10°	109.4	108.5	89.2	60.7	31.3	14.7	0.9	0.0	0.0	0.0	0.0
12.5°	113.1	114.0	93.8	62.5	36.8	15.6	0.9	0.0	0.0	0.0	0.0
15°	116.8	118.6	99.3	65.3	39.5	15.6	0.9	0.0	0.0	0.0	0.0
17.5°	122.3	124.2	105.8	69.0	42.3	16.6	0.9	0.0	0.0	0.0	0.0
20°	128.8	130.6	110.4	71.7	46.0	17.5	0.9	0.0	0.0	0.0	0.0
22.5°	136.1	138.9	103.9	75.4	41.4	17.5	0.9	0.0	0.0	0.0	0.0
25°	142.6	144.4	110.4	80.9	40.5	18.4	0.9	0.0	0.0	0.0	0.0
27.5°	149.0	151.8	120.5	79.1	52.4	19.3	0.9	0.0	0.0	0.0	0.0
30°	157.3	160.0	130.6	89.2	55.2	19.3	0.9	0.0	0.0	0.0	0.0
32.5°	166.5	167.4	140.7	92.0	58.9	19.3	0.0	0.0	0.0	0.0	0.0
35°	172.9	174.7	146.2	95.6	58.9	19.3	0.0	0.0	0.0	0.0	0.0
37.5°	178.4	180.3	149.9	97.5	58.9	19.3	0.0	0.0	0.0	0.0	0.0
40°	183.9	187.6	152.7	98.4	57.9	18.4	0.0	0.0	0.0	0.0	0.0
42.5°	191.3	193.1	152.7	98.4	53.3	9.2	0.0	0.0	0.0	0.0	0.0
45°	197.7	196.8	153.6	96.6	52.4	17.5	0.9	0.0	0.0	0.0	0.0
47.5°	205.1	201.4	153.6	93.8	43.2	17.5	0.9	0.0	0.0	0.0	0.0
50°	212.5	205.1	152.7	92.0	47.8	15.6	0.9	0.0	0.0	0.0	0.0
52.5°	223.5	211.5	151.8	88.3	45.1	14.7	0.9	0.0	0.0	0.0	0.0
55°	252.0	235.4	156.4	87.4	41.4	12.9	0.9	0.0	0.0	0.0	0.0
57.5°	302.6	271.3	163.7	87.4	36.8	11.0	0.0	0.0	0.0	0.0	0.0
60°	353.2	307.2	167.4	83.7	30.4	9.2	0.0	0.0	0.0	0.0	0.0
62.5°	372.5	310.9	156.4	75.4	23.9	7.4	0.0	0.0	0.0	0.0	0.0
65°	353.2	283.3	132.4	57.0	17.5	5.5	0.0	0.0	0.0	0.0	0.0
67.5°	308.1	248.3	104.8	41.4	12.9	4.6	0.0	0.0	0.0	0.0	0.0
70°	244.6	196.8	73.6	26.7	8.3	2.8	0.0	0.0	0.0	0.0	0.0
72.5°	155.4	129.7	44.1	15.6	5.5	1.8	0.0	0.0	0.0	0.0	0.0
75°	56.1	53.3	22.1	9.2	3.7	0.9	0.0	0.0	0.0	0.0	0.0
77.5°	18.4	16.6	9.2	4.6	1.8	0.9	0.0	0.0	0.0	0.0	0.0
80°	8.3	7.4	4.6	2.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0
82.5°	4.6	4.6	2.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.8	1.8	0.9	0.9	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)