

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: P394704

Luminaire Tested: **303-B1-LEDB1-2700-UNV-T2-DIM10**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P394704  
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-LEDB1-2700-UNV-T2-DIM10  
Description: LUMIERE EON LED LUMINAIRE  
BOLLARD, SINGLE HEAD, ONE LIGHTBAR, TYPE 2  
Light Source: 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 560.5 lumens  
Efficiency: N/A  
Efficacy: 67.5 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

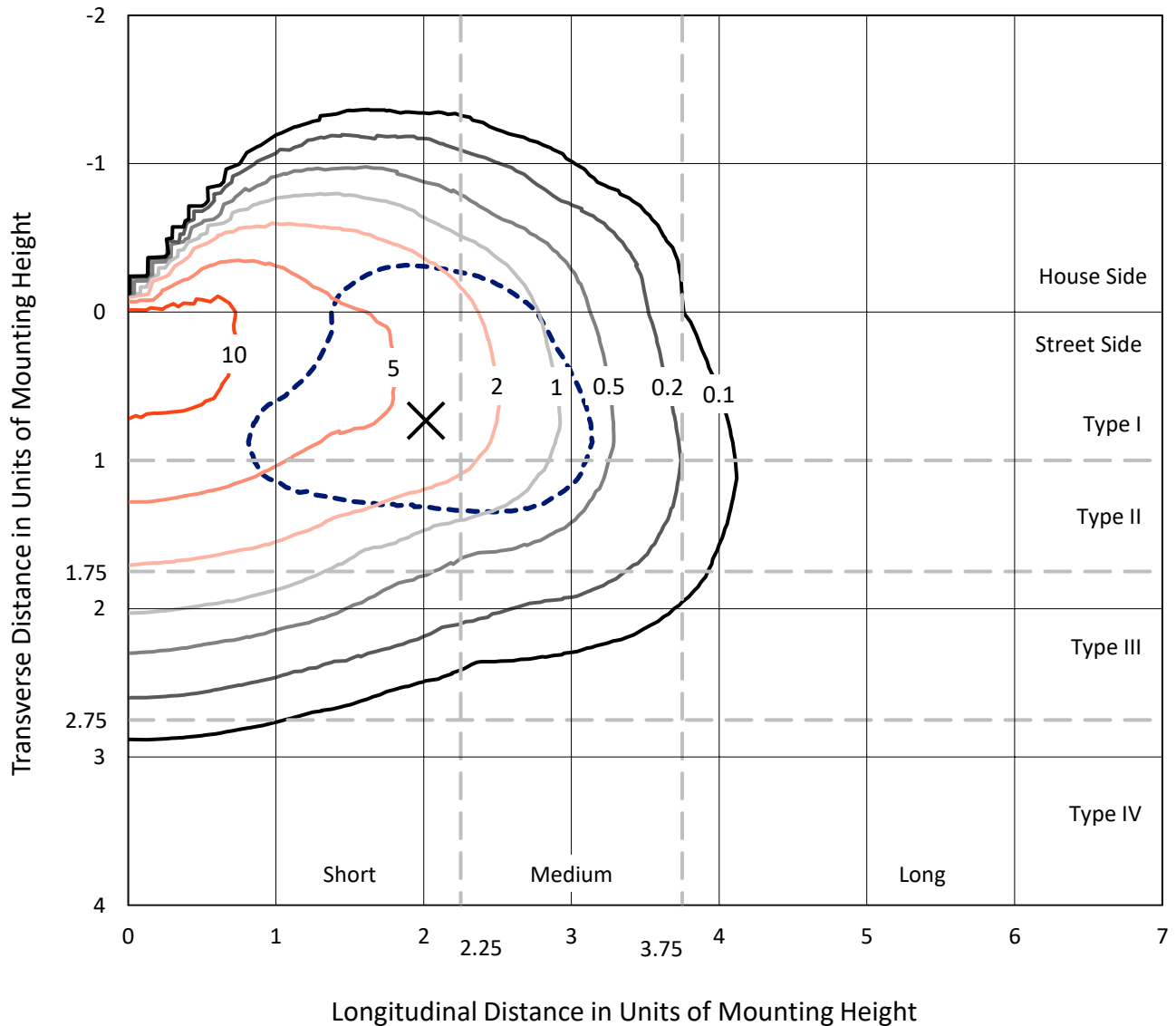
Input Watts (W): 8.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

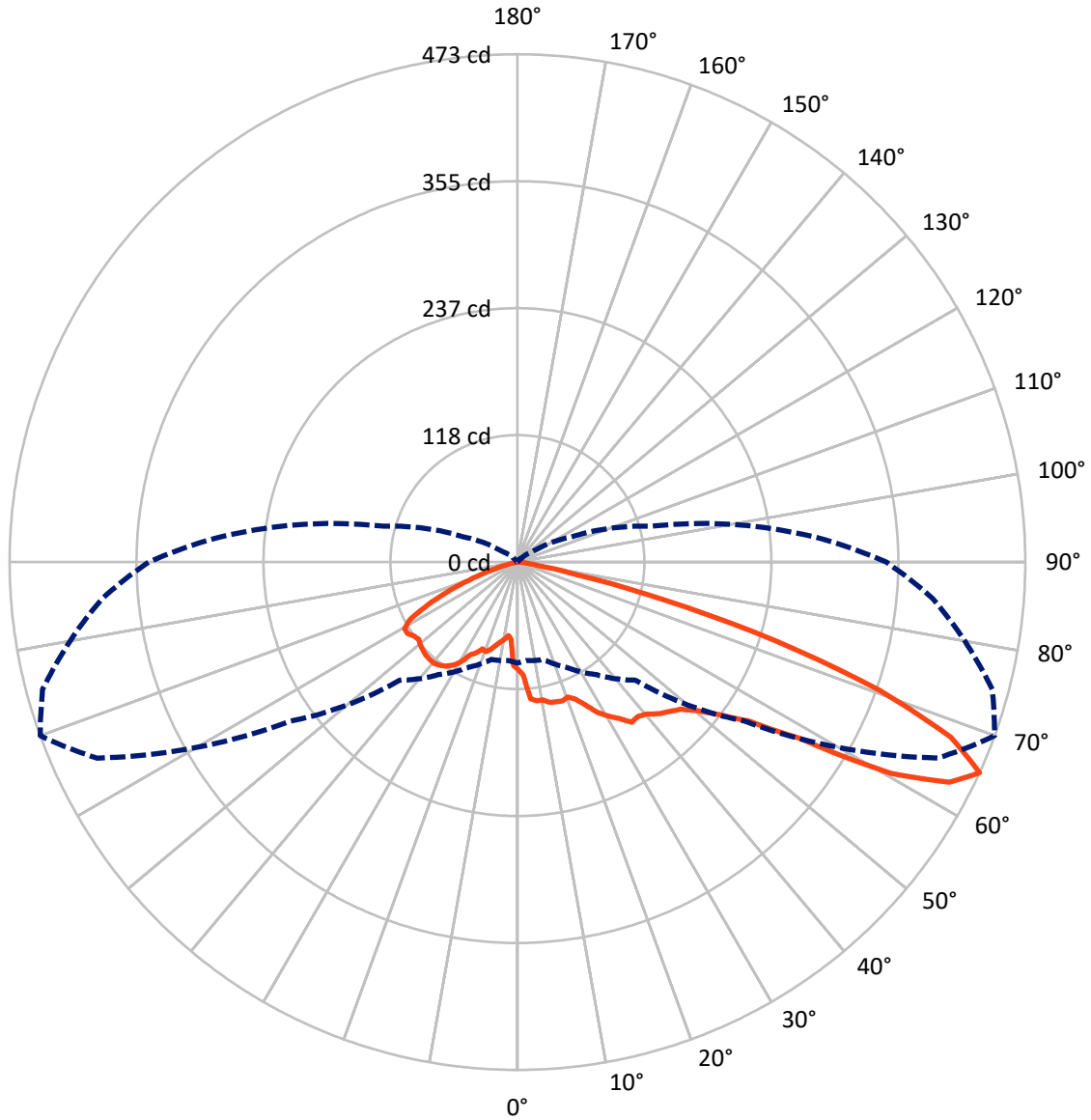
× Max cd  
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 15.6 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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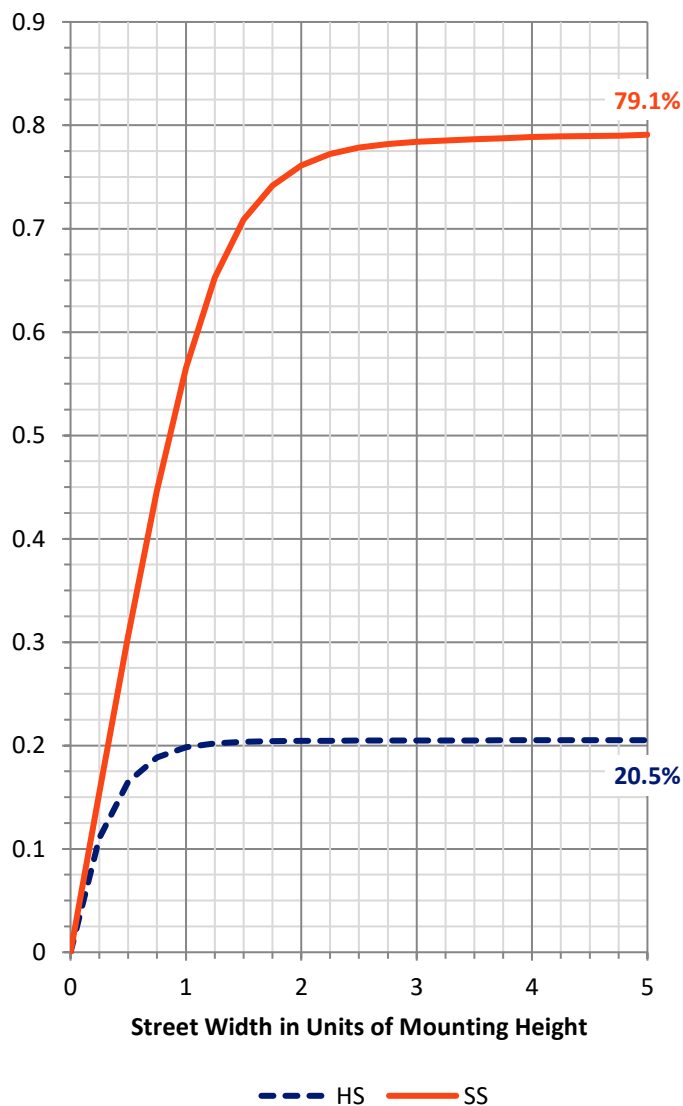
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	116.0	0.0	116.0
	% Fixture	20.7	0.0	20.7
<b>Street Side</b>	Lumens	444.5	0.0	444.5
	% Fixture	79.3	0.0	79.3
<b>Total</b>	Lumens	560.5	0.0	560.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.4	1.5
10°-20°	25.1	4.5
20°-30°	44.9	8.0
30°-40°	70.9	12.7
40°-50°	99.9	17.8
50°-60°	130.9	23.4
60°-70°	135.8	24.2
70°-80°	40.8	7.3
80°-90°	3.6	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°	560.5	100.0
0°-180°	560.5	100.0

**Coefficient of Utilization**



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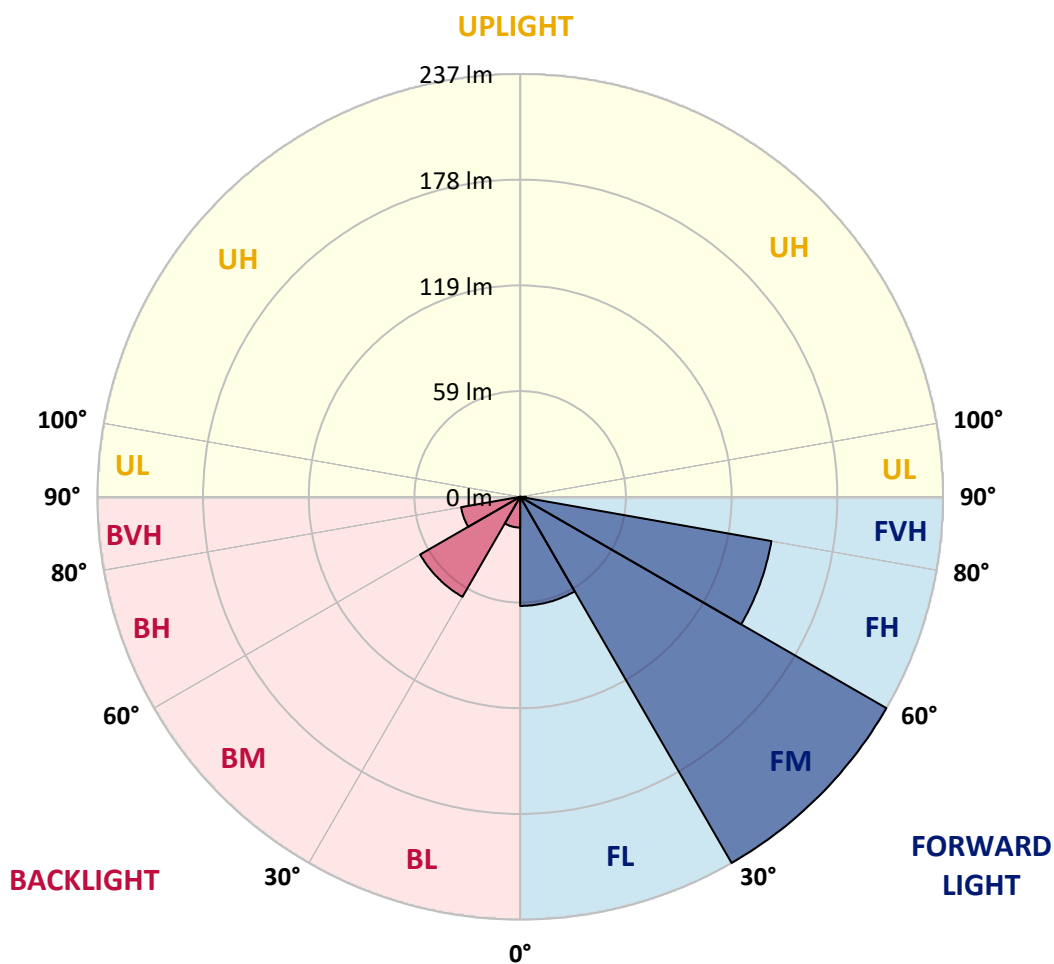
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	61.1	10.9			
FM (30°-60°)	237.0	42.3			
FH (60°-80°)	143.0	25.5			G0/660
FVH (80°-90°)	3.3	0.6			G0/10
BL (0°-30°)	17.2	3.1	B0/110		
BM (30°-60°)	64.8	11.6	B0/220		
BH (60°-80°)	33.6	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°	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1
2.5°	158.3	150.2	148.4	149.3	143.1	140.4	132.3	111.8	105.5	101.9	100.1
5°	162.7	160.9	162.7	165.4	163.6	161.8	151.1	135.9	127.9	120.7	101.9
7.5°	140.4	141.3	142.2	147.5	153.8	157.4	147.5	136.8	130.5	120.7	104.6
10°	146.6	144.0	144.0	142.2	139.5	139.5	144.9	137.7	130.5	123.4	107.3
12.5°	148.4	144.9	149.3	151.1	152.0	140.4	136.8	139.5	134.1	126.1	110.9
15°	148.4	143.1	144.0	149.3	151.1	150.2	137.7	132.3	135.0	128.8	115.3
17.5°	147.5	140.4	142.2	145.7	145.7	154.7	146.6	130.5	135.9	132.3	120.7
20°	147.5	146.6	145.7	144.9	144.9	149.3	149.3	137.7	134.1	137.7	126.1
22.5°	152.0	147.5	148.4	149.3	145.7	150.2	151.1	148.4	138.6	138.6	132.3
25°	148.4	147.5	147.5	151.1	153.8	153.8	152.9	154.7	147.5	141.3	139.5
27.5°	151.1	150.2	150.2	152.0	155.6	160.9	156.5	161.8	158.3	148.4	145.7
30°	153.8	152.0	153.8	156.5	160.1	164.5	161.8	166.3	166.3	155.6	152.9
32.5°	165.4	156.5	157.4	160.9	166.3	171.7	169.9	169.9	173.5	166.3	159.2
35°	168.1	162.7	164.5	169.0	174.4	179.7	179.7	178.8	183.3	176.1	166.3
37.5°	170.8	170.8	170.8	178.8	182.4	188.7	185.1	183.3	182.4	177.9	168.1
40°	178.8	178.8	179.7	186.0	191.4	197.6	192.2	186.9	186.0	183.3	177.0
42.5°	188.7	187.8	191.4	194.0	202.1	207.4	204.8	195.8	193.1	186.9	184.2
45°	199.4	194.0	194.0	204.8	211.0	218.2	216.4	202.1	198.5	194.0	192.2
47.5°	196.7	196.7	195.8	207.4	217.3	228.9	231.6	211.9	204.8	198.5	198.5
50°	197.6	196.7	200.3	208.3	223.5	237.0	243.2	228.0	217.3	211.0	203.0
52.5°	193.1	196.7	194.9	209.2	223.5	242.3	253.0	246.8	236.1	230.7	215.5
55°	176.1	176.1	183.3	201.2	224.4	245.0	267.4	266.5	261.1	253.0	242.3
57.5°	160.9	158.3	160.9	177.0	211.9	245.9	286.1	313.0	309.4	302.2	305.8
60°	134.1	129.7	138.6	156.5	191.4	236.1	297.8	382.7	399.7	388.1	380.0
62.5°	114.5	115.3	118.9	133.2	157.4	200.3	290.6	421.1	451.6	443.5	404.2
65°	93.9	92.1	93.9	108.2	127.9	155.6	258.4	431.9	473.0	457.8	388.1
67.5°	54.5	53.6	56.3	68.9	93.0	113.6	194.9	394.3	435.5	424.7	345.1
70°	27.7	28.6	29.5	34.0	51.0	77.8	130.5	312.1	357.7	365.7	270.9
72.5°	21.5	20.6	21.5	22.4	27.7	45.6	88.5	216.4	252.2	256.6	185.1
75°	15.2	15.2	16.1	16.1	17.0	22.4	65.3	129.7	141.3	131.4	75.1
77.5°	12.5	12.5	11.6	11.6	11.6	13.4	40.2	59.9	57.2	54.5	21.5
80°	9.8	9.8	9.8	9.8	9.8	9.8	17.9	25.0	19.7	22.4	9.8
82.5°	8.0	8.0	8.0	7.2	7.2	7.2	8.0	10.7	9.8	13.4	5.4
85°	7.2	6.3	6.3	6.3	6.3	5.4	5.4	4.5	4.5	4.5	1.8
87.5°	6.3	6.3	6.3	5.4	5.4	4.5	3.6	2.7	2.7	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°	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1
2.5°	101.0	99.3	99.3	93.9	64.4	47.4	44.7	42.9	39.3	35.8	34.9
5°	101.9	101.0	84.9	59.9	33.1	10.7	1.8	0.0	0.0	0.0	0.0
7.5°	102.8	102.8	84.1	53.6	34.0	12.5	1.8	0.0	0.0	0.0	0.0
10°	106.4	105.5	86.7	59.0	30.4	14.3	0.9	0.0	0.0	0.0	0.0
12.5°	110.0	110.9	91.2	60.8	35.8	15.2	0.9	0.0	0.0	0.0	0.0
15°	113.6	115.3	96.6	63.5	38.4	15.2	0.9	0.0	0.0	0.0	0.0
17.5°	118.9	120.7	102.8	67.1	41.1	16.1	0.9	0.0	0.0	0.0	0.0
20°	125.2	127.0	107.3	69.7	44.7	17.0	0.9	0.0	0.0	0.0	0.0
22.5°	132.3	135.0	101.0	73.3	40.2	17.0	0.9	0.0	0.0	0.0	0.0
25°	138.6	140.4	107.3	78.7	39.3	17.9	0.9	0.0	0.0	0.0	0.0
27.5°	144.9	147.5	117.1	76.9	51.0	18.8	0.9	0.0	0.0	0.0	0.0
30°	152.9	155.6	127.0	86.7	53.6	18.8	0.9	0.0	0.0	0.0	0.0
32.5°	161.8	162.7	136.8	89.4	57.2	18.8	0.0	0.0	0.0	0.0	0.0
35°	168.1	169.9	142.2	93.0	57.2	18.8	0.0	0.0	0.0	0.0	0.0
37.5°	173.5	175.3	145.7	94.8	57.2	18.8	0.0	0.0	0.0	0.0	0.0
40°	178.8	182.4	148.4	95.7	56.3	17.9	0.0	0.0	0.0	0.0	0.0
42.5°	186.0	187.8	148.4	95.7	51.9	8.9	0.0	0.0	0.0	0.0	0.0
45°	192.2	191.4	149.3	93.9	51.0	17.0	0.9	0.0	0.0	0.0	0.0
47.5°	199.4	195.8	149.3	91.2	42.0	17.0	0.9	0.0	0.0	0.0	0.0
50°	206.6	199.4	148.4	89.4	46.5	15.2	0.9	0.0	0.0	0.0	0.0
52.5°	217.3	205.7	147.5	85.8	43.8	14.3	0.9	0.0	0.0	0.0	0.0
55°	245.0	228.9	152.0	84.9	40.2	12.5	0.9	0.0	0.0	0.0	0.0
57.5°	294.2	263.8	159.2	84.9	35.8	10.7	0.0	0.0	0.0	0.0	0.0
60°	343.4	298.6	162.7	81.4	29.5	8.9	0.0	0.0	0.0	0.0	0.0
62.5°	362.1	302.2	152.0	73.3	23.2	7.2	0.0	0.0	0.0	0.0	0.0
65°	343.4	275.4	128.8	55.4	17.0	5.4	0.0	0.0	0.0	0.0	0.0
67.5°	299.5	241.4	101.9	40.2	12.5	4.5	0.0	0.0	0.0	0.0	0.0
70°	237.8	191.4	71.5	25.9	8.0	2.7	0.0	0.0	0.0	0.0	0.0
72.5°	151.1	126.1	42.9	15.2	5.4	1.8	0.0	0.0	0.0	0.0	0.0
75°	54.5	51.9	21.5	8.9	3.6	0.9	0.0	0.0	0.0	0.0	0.0
77.5°	17.9	16.1	8.9	4.5	1.8	0.9	0.0	0.0	0.0	0.0	0.0
80°	8.0	7.2	4.5	2.7	1.8	0.9	0.0	0.0	0.0	0.0	0.0
82.5°	4.5	4.5	2.7	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)