

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: P394722

Luminaire Tested: **303-B1-LEDB1-2700-UNV-T4-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394722
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-LEDB1-2700-UNV-T4-DIM10
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, ONE LIGHTBAR, TYPE 4
Light Source: 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 583.5 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 III - Short
BUG Rating: B0 - U0 - G0

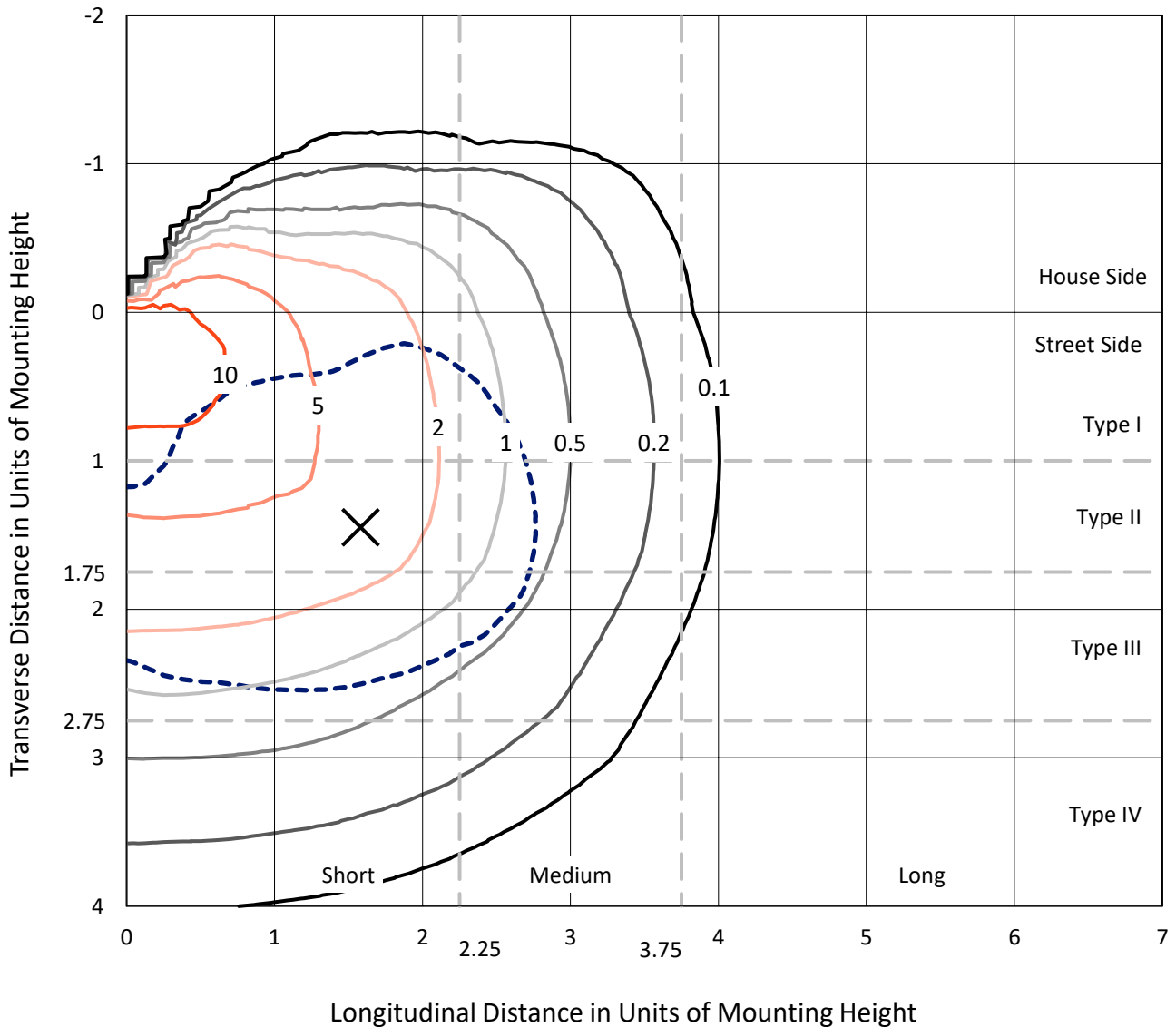
Input Watts (W): 8.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

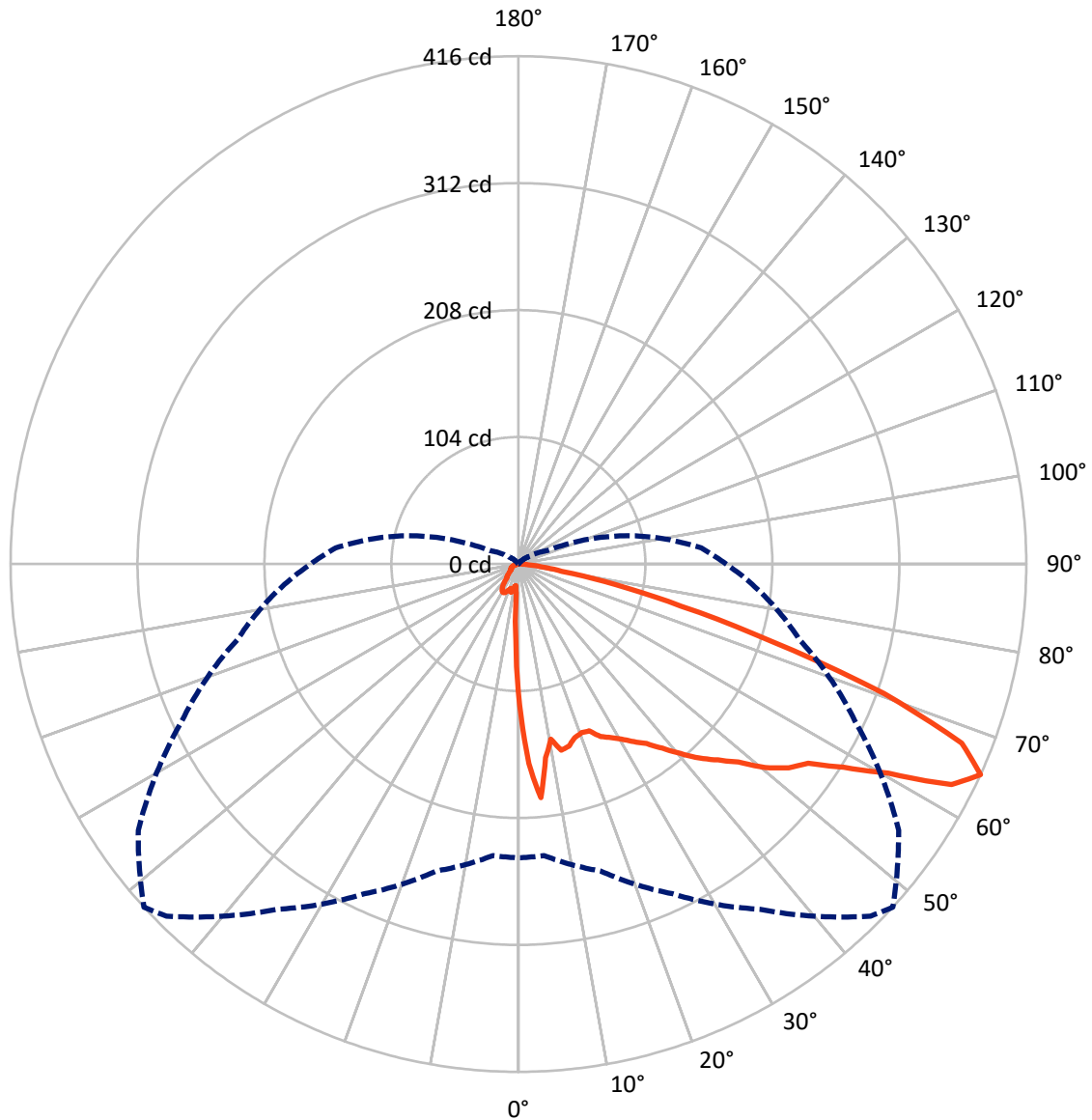
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 17.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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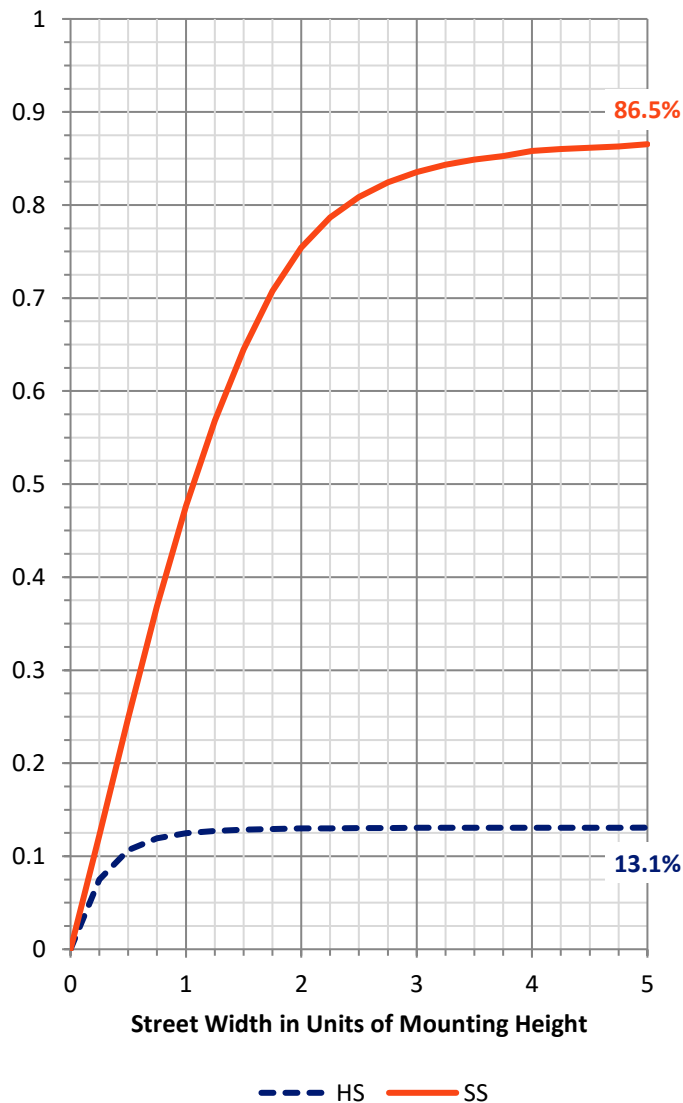
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	77.0	0.0	77.0
	% Fixture	13.2	0.0	13.2
Street Side	Lumens	506.6	0.0	506.6
	% Fixture	86.8	0.0	86.8
Total	Lumens	583.5	0.0	583.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.5	1.6
10°-20°	25.5	4.4
20°-30°	43.0	7.4
30°-40°	66.3	11.4
40°-50°	90.7	15.5
50°-60°	123.0	21.1
60°-70°	153.4	26.3
70°-80°	66.6	11.4
80°-90°	5.5	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°	583.5	100.0
0°-180°	583.5	100.0

Coefficient of Utilization



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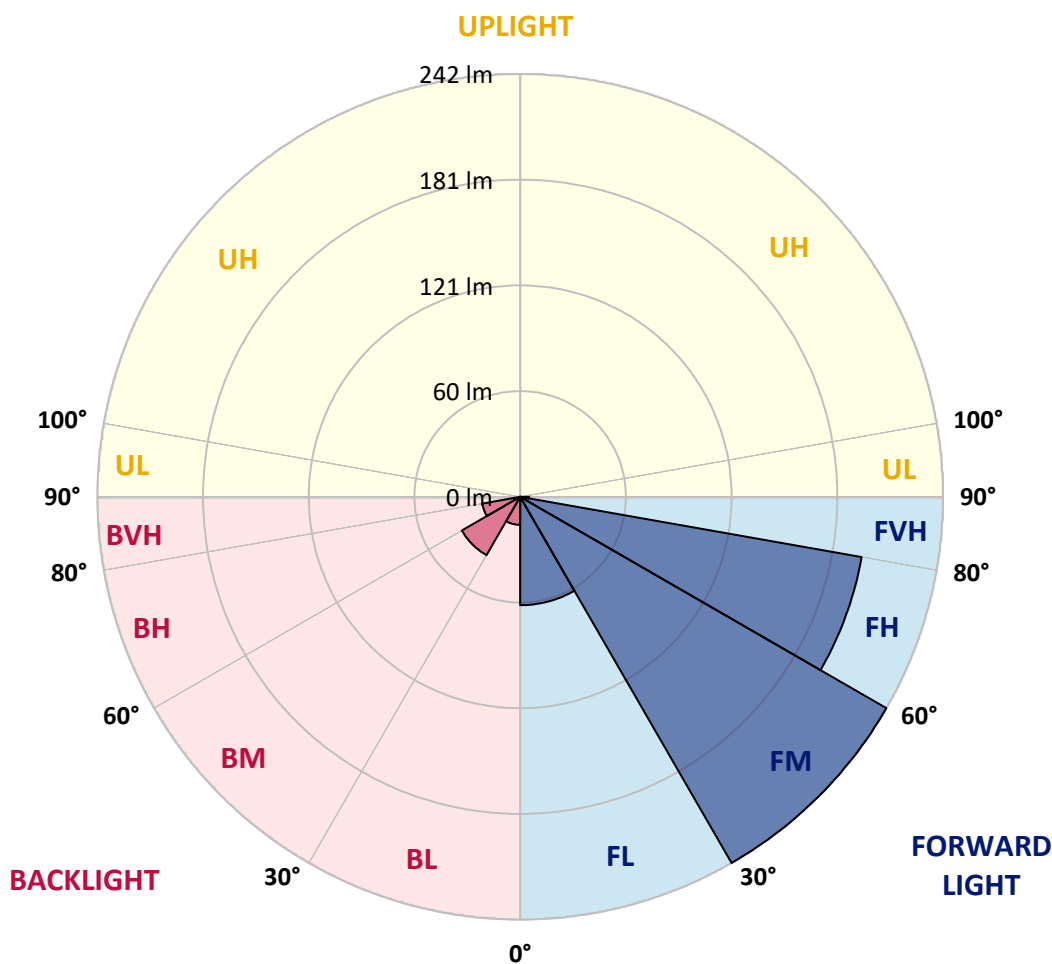
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	61.9	10.6			
FM	(30°-60°)	241.5	41.4			
FH	(60°-80°)	198.0	33.9			G0/660
FVH	(80°-90°)	5.1	0.9			G0/10
BL	(0°-30°)	16.0	2.7	B0/110		
BM	(30°-60°)	38.5	6.6	B0/220		
BH	(60°-80°)	22.0	3.8	B0/110		G0/110
BVH	(80°-90°)	0.4	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47.5°	55°	65°	75°	85°
0°	115.3	115.3	115.3	115.3	115.3	115.3	115.3	115.3	115.3	115.3	115.3
2.5°	181.5	178.8	178.8	172.6	170.8	165.4	163.6	159.2	135.9	118.9	115.3
5°	169.0	170.8	176.1	180.6	193.1	192.2	192.2	176.1	156.5	144.9	118.0
7.5°	160.9	160.1	154.7	152.0	152.0	158.3	160.1	170.8	156.5	141.3	119.8
10°	163.6	162.7	162.7	163.6	160.9	148.4	145.7	142.2	152.0	136.8	117.1
12.5°	149.3	146.6	150.2	152.9	160.9	153.8	156.5	143.1	135.0	136.8	118.0
15°	147.5	146.6	145.7	145.7	148.4	152.9	154.7	150.2	127.9	135.0	117.1
17.5°	152.9	151.1	149.3	146.6	145.7	146.6	149.3	147.5	133.2	129.7	116.2
20°	157.4	153.8	152.0	151.1	149.3	143.1	147.5	145.7	137.7	122.5	117.1
22.5°	157.4	154.7	155.6	153.8	156.5	150.2	148.4	145.7	141.3	123.4	118.0
25°	159.2	157.4	156.5	157.4	157.4	153.8	156.5	148.4	144.0	127.0	118.0
27.5°	160.9	158.3	160.1	160.9	162.7	157.4	160.9	154.7	146.6	135.0	125.2
30°	164.5	162.7	165.4	166.3	165.4	161.8	166.3	160.1	153.8	142.2	127.9
32.5°	170.8	167.2	174.4	174.4	171.7	169.9	173.5	166.3	161.8	149.3	135.0
35°	177.9	177.0	179.7	184.2	185.1	177.0	180.6	176.1	169.9	159.2	144.0
37.5°	183.3	180.6	185.1	192.2	194.9	188.7	191.4	184.2	176.1	167.2	148.4
40°	186.0	184.2	192.2	203.0	207.4	202.1	203.9	195.8	183.3	168.1	152.0
42.5°	186.9	185.1	197.6	208.3	218.2	213.7	217.3	207.4	191.4	171.7	152.0
45°	190.5	192.2	201.2	212.8	227.1	227.1	228.9	217.3	198.5	176.1	154.7
47.5°	199.4	198.5	206.6	220.0	238.7	240.5	242.3	226.2	206.6	179.7	157.4
50°	202.1	204.8	215.5	227.1	245.9	254.8	262.0	242.3	216.4	186.0	162.7
52.5°	216.4	212.8	223.5	237.0	257.5	269.1	277.2	255.7	225.3	190.5	168.1
55°	220.9	230.7	237.8	252.2	273.6	287.0	287.9	270.0	236.1	198.5	175.3
57.5°	247.7	245.9	255.7	270.0	285.2	308.5	313.9	289.7	254.8	212.8	183.3
60°	262.9	260.2	277.2	296.9	320.1	346.9	347.8	317.4	275.4	228.0	193.1
62.5°	265.6	265.6	280.8	308.5	352.3	392.5	397.9	357.7	303.1	242.3	199.4
65°	240.5	239.6	260.2	297.8	345.1	407.7	415.8	380.0	304.0	237.8	192.2
67.5°	193.1	206.6	223.5	253.9	303.1	376.4	391.6	360.3	288.8	223.5	175.3
70°	166.3	178.8	186.9	211.0	244.1	298.6	317.4	308.5	245.9	191.4	147.5
72.5°	129.7	126.1	143.1	165.4	182.4	205.7	216.4	224.4	187.8	150.2	111.8
75°	79.6	80.5	88.5	104.6	123.4	134.1	137.7	128.8	121.6	96.6	73.3
77.5°	42.0	42.9	48.3	56.3	66.2	78.7	81.4	71.5	61.7	50.1	35.8
80°	25.0	25.0	27.7	30.4	35.8	35.8	35.8	35.8	26.8	24.1	13.4
82.5°	11.6	13.4	14.3	15.2	17.9	19.7	19.7	15.2	12.5	9.8	5.4
85°	7.2	7.2	7.2	7.2	7.2	8.0	8.0	6.3	5.4	4.5	1.8
87.5°	5.4	5.4	5.4	5.4	4.5	4.5	3.6	3.6	2.7	0.9	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°	115.3	115.3	115.3	115.3	115.3	115.3	115.3	115.3	115.3	115.3	115.3
2.5°	114.5	114.5	113.6	111.8	68.9	60.8	51.0	45.6	43.8	41.1	42.9
5°	117.1	116.2	100.1	70.6	40.2	17.9	7.2	0.9	0.0	0.0	0.0
7.5°	117.1	117.1	94.8	64.4	36.7	11.6	2.7	0.0	0.0	0.0	0.0
10°	118.0	116.2	94.8	64.4	32.2	14.3	1.8	0.0	0.0	0.0	0.0
12.5°	118.0	116.2	93.9	65.3	38.4	17.0	1.8	0.0	0.0	0.0	0.0
15°	118.0	117.1	94.8	66.2	42.0	17.9	0.9	0.0	0.0	0.0	0.0
17.5°	115.3	115.3	94.8	68.0	42.9	13.4	0.9	0.0	0.0	0.0	0.0
20°	116.2	114.5	85.8	68.0	40.2	16.1	0.9	0.0	0.0	0.0	0.0
22.5°	114.5	112.7	84.9	68.9	38.4	18.8	0.9	0.0	0.0	0.0	0.0
25°	115.3	112.7	87.6	69.7	45.6	18.8	0.9	0.0	0.0	0.0	0.0
27.5°	118.0	116.2	93.9	68.9	49.2	18.8	0.9	0.0	0.0	0.0	0.0
30°	122.5	118.9	93.9	65.3	49.2	18.8	0.9	0.0	0.0	0.0	0.0
32.5°	128.8	123.4	96.6	70.6	47.4	17.9	0.9	0.0	0.0	0.0	0.0
35°	135.0	126.1	94.8	67.1	43.8	16.1	0.9	0.0	0.0	0.0	0.0
37.5°	137.7	127.9	93.0	63.5	39.3	13.4	0.9	0.0	0.0	0.0	0.0
40°	139.5	128.8	91.2	57.2	34.0	8.9	0.9	0.0	0.0	0.0	0.0
42.5°	140.4	127.9	86.7	51.0	28.6	8.9	0.9	0.0	0.0	0.0	0.0
45°	142.2	129.7	81.4	45.6	23.2	8.9	0.9	0.0	0.0	0.0	0.0
47.5°	145.7	128.8	78.7	39.3	18.8	7.2	0.9	0.0	0.0	0.0	0.0
50°	150.2	129.7	77.8	34.9	16.1	6.3	0.9	0.0	0.0	0.0	0.0
52.5°	155.6	133.2	78.7	32.2	14.3	5.4	0.9	0.0	0.0	0.0	0.0
55°	159.2	140.4	79.6	30.4	13.4	5.4	0.9	0.0	0.0	0.0	0.0
57.5°	167.2	145.7	84.1	29.5	12.5	4.5	0.0	0.0	0.0	0.0	0.0
60°	176.1	152.9	88.5	28.6	12.5	5.4	0.0	0.0	0.0	0.0	0.0
62.5°	177.0	158.3	89.4	28.6	11.6	5.4	0.0	0.0	0.0	0.0	0.0
65°	169.9	150.2	89.4	25.9	10.7	4.5	0.0	0.0	0.0	0.0	0.0
67.5°	151.1	135.0	80.5	23.2	8.9	4.5	0.9	0.0	0.0	0.0	0.0
70°	125.2	110.9	69.7	19.7	8.0	3.6	0.9	0.0	0.0	0.0	0.0
72.5°	94.8	85.8	56.3	15.2	6.3	2.7	0.9	0.0	0.0	0.0	0.0
75°	59.9	55.4	40.2	10.7	5.4	1.8	0.9	0.0	0.0	0.0	0.0
77.5°	29.5	31.3	22.4	8.0	3.6	1.8	0.0	0.0	0.0	0.0	0.0
80°	8.9	9.8	9.8	4.5	2.7	0.9	0.0	0.0	0.0	0.0	0.0
82.5°	4.5	4.5	3.6	2.7	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)