

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: P394724

Luminaire Tested: **303-B1-LEDB1-3000-UNV-T4-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394724
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-LEDB1-3000-UNV-T4-DIM10
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, ONE LIGHTBAR, TYPE 4
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 600.2 lumens
Efficiency: N/A
Efficacy: 71.5 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

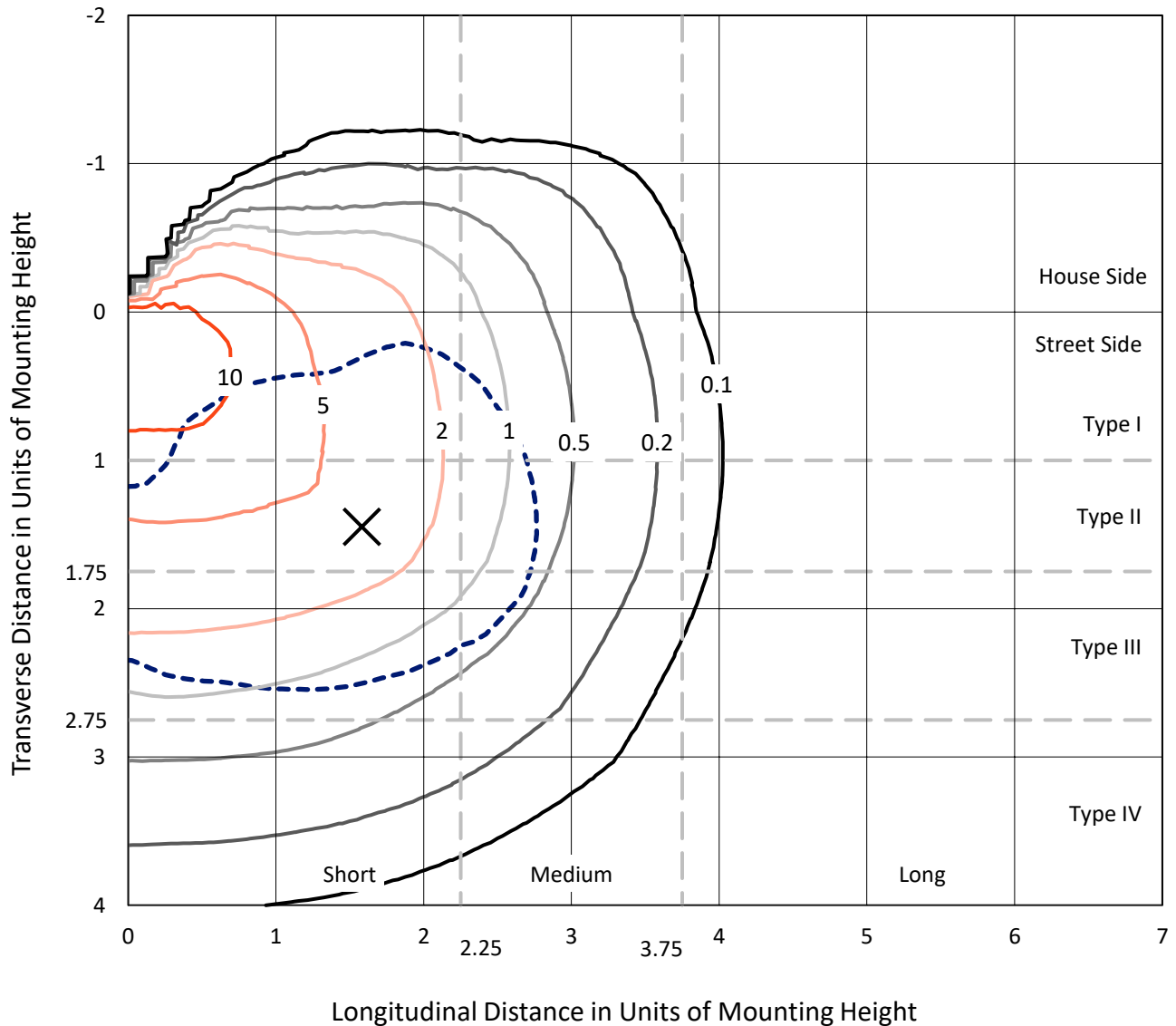
Input Watts (W): 8.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

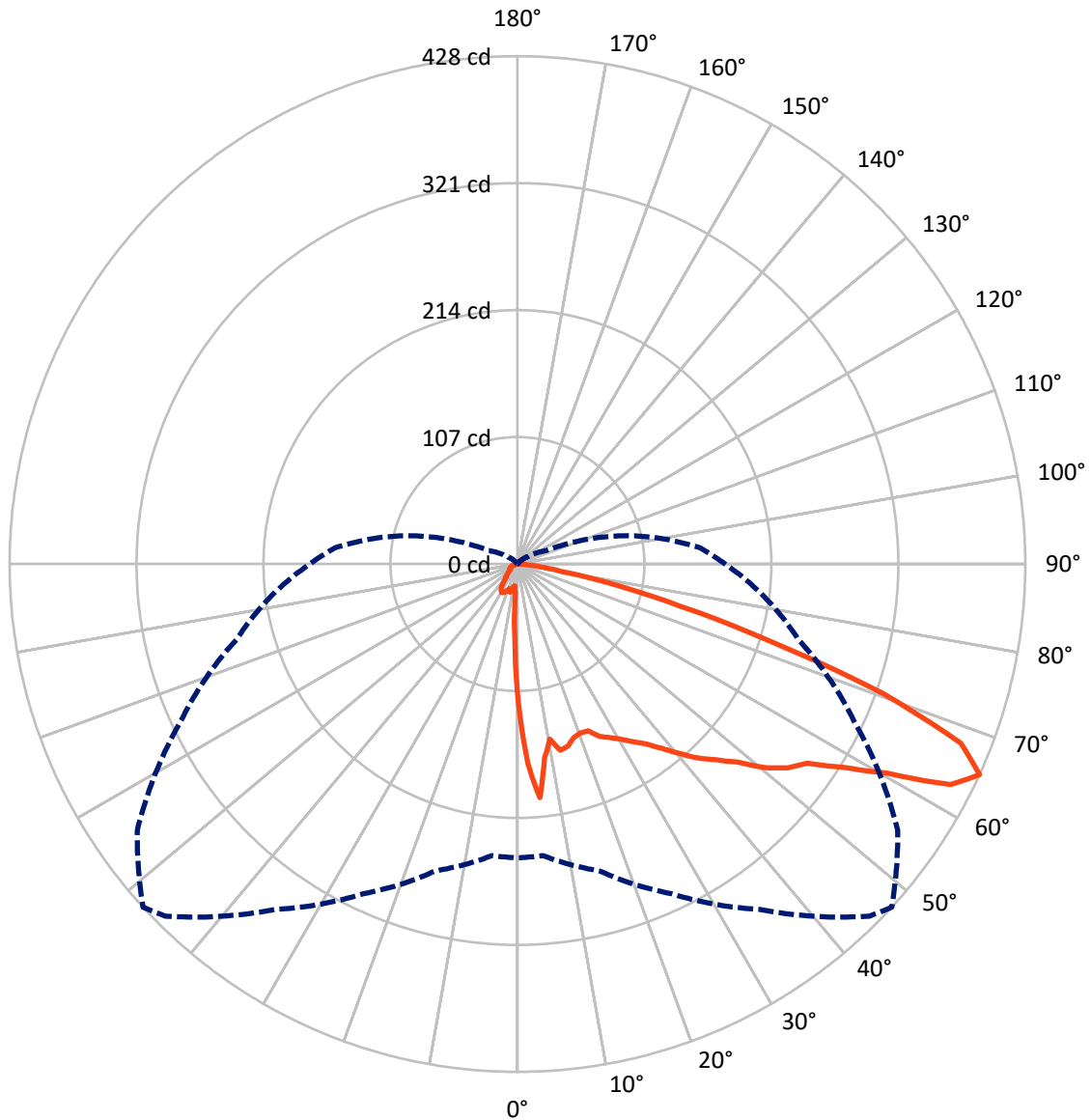
✕ Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 18.1 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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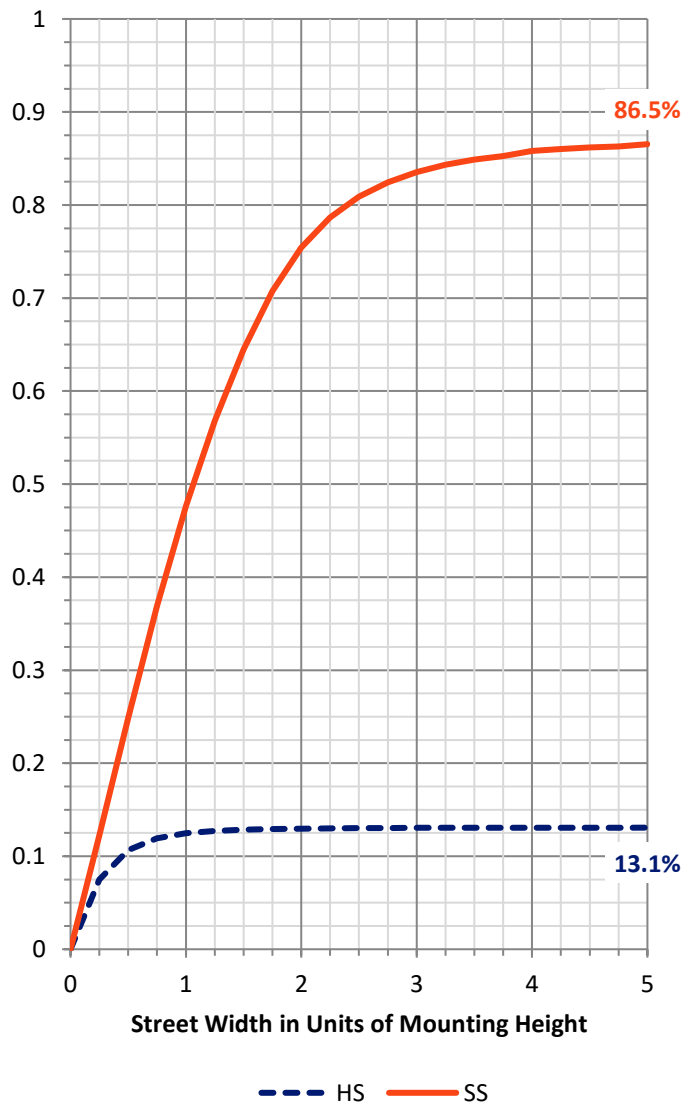
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	79.2	0.0	79.2
	% Fixture	13.2	0.0	13.2
Street Side	Lumens	521.0	0.0	521.0
	% Fixture	86.8	0.0	86.8
Total	Lumens	600.2	0.0	600.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.7	1.6
10°-20°	26.2	4.4
20°-30°	44.2	7.4
30°-40°	68.1	11.4
40°-50°	93.3	15.5
50°-60°	126.6	21.1
60°-70°	157.8	26.3
70°-80°	68.5	11.4
80°-90°	5.7	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°	600.2	100.0
0°-180°	600.2	100.0

Coefficient of Utilization



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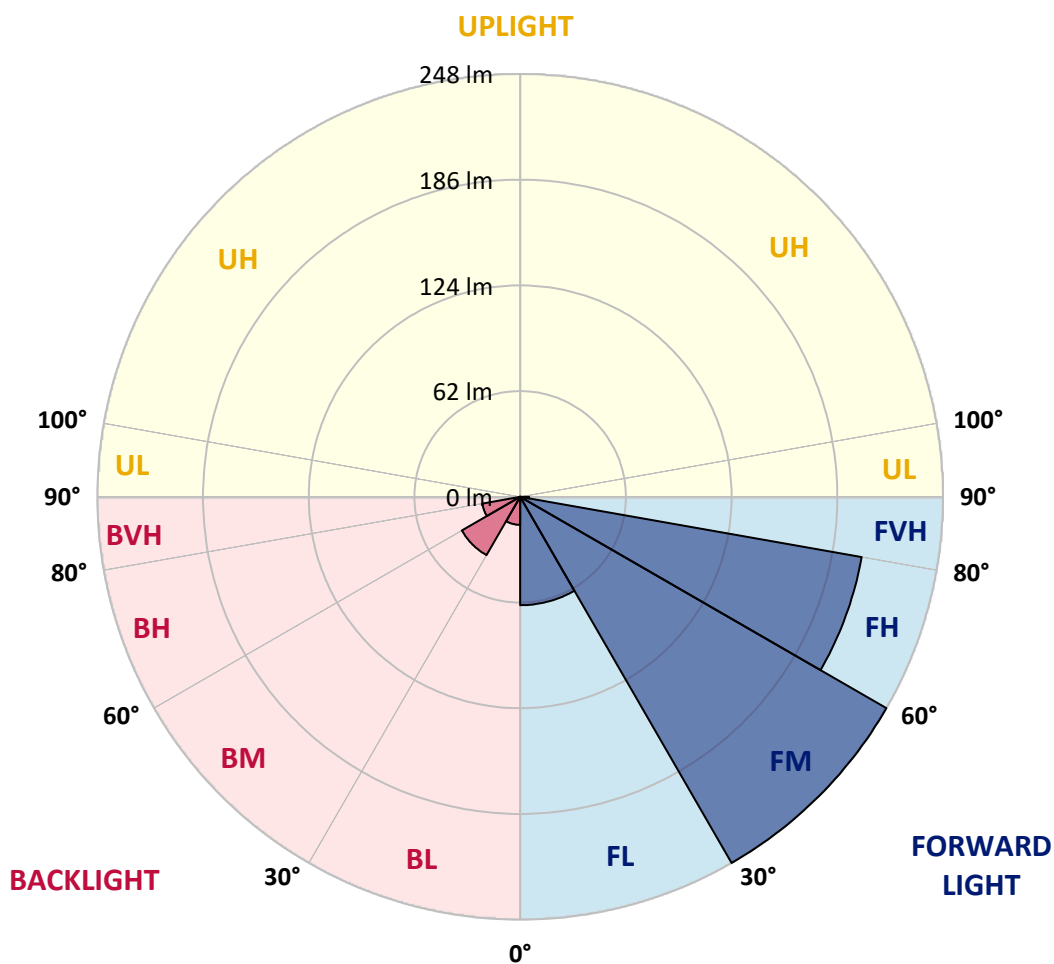
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	63.7	10.6			
FM (30°-60°)	248.4	41.4			
FH (60°-80°)	203.7	33.9			G0/660
FVH (80°-90°)	5.2	0.9			G0/10
BL (0°-30°)	16.5	2.7	B0/110		
BM (30°-60°)	39.6	6.6	B0/220		
BH (60°-80°)	22.6	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°	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6
2.5°	186.7	183.9	183.9	177.5	175.7	170.1	168.3	163.7	139.8	122.3	118.6
5°	173.8	175.7	181.2	185.8	198.7	197.7	197.7	181.2	160.9	149.0	121.4
7.5°	165.5	164.6	159.1	156.4	156.4	162.8	164.6	175.7	160.9	145.3	123.2
10°	168.3	167.4	167.4	168.3	165.5	152.7	149.9	146.2	156.4	140.7	120.5
12.5°	153.6	150.8	154.5	157.3	165.5	158.2	160.9	147.2	138.9	140.7	121.4
15°	151.8	150.8	149.9	149.9	152.7	157.3	159.1	154.5	131.5	138.9	120.5
17.5°	157.3	155.4	153.6	150.8	149.9	150.8	153.6	151.8	137.0	133.4	119.6
20°	161.9	158.2	156.4	155.4	153.6	147.2	151.8	149.9	141.6	126.0	120.5
22.5°	161.9	159.1	160.0	158.2	160.9	154.5	152.7	149.9	145.3	126.9	121.4
25°	163.7	161.9	160.9	161.9	161.9	158.2	160.9	152.7	148.1	130.6	121.4
27.5°	165.5	162.8	164.6	165.5	167.4	161.9	165.5	159.1	150.8	138.9	128.8
30°	169.2	167.4	170.1	171.1	170.1	166.5	171.1	164.6	158.2	146.2	131.5
32.5°	175.7	172.0	179.3	179.3	176.6	174.7	178.4	171.1	166.5	153.6	138.9
35°	183.0	182.1	184.9	189.5	190.4	182.1	185.8	181.2	174.7	163.7	148.1
37.5°	188.5	185.8	190.4	197.7	200.5	194.1	196.8	189.5	181.2	172.0	152.7
40°	191.3	189.5	197.7	208.8	213.4	207.9	209.7	201.4	188.5	172.9	156.4
42.5°	192.2	190.4	203.3	214.3	224.4	219.8	223.5	213.4	196.8	176.6	156.4
45°	195.9	197.7	206.9	218.9	233.6	233.6	235.4	223.5	204.2	181.2	159.1
47.5°	205.1	204.2	212.5	226.2	245.6	247.4	249.2	232.7	212.5	184.9	161.9
50°	207.9	210.6	221.6	233.6	252.9	262.1	269.5	249.2	222.6	191.3	167.4
52.5°	222.6	218.9	229.9	243.7	264.9	276.8	285.1	263.0	231.8	195.9	172.9
55°	227.2	237.3	244.6	259.4	281.4	295.2	296.1	277.8	242.8	204.2	180.3
57.5°	254.8	252.9	263.0	277.8	293.4	317.3	322.8	298.0	262.1	218.9	188.5
60°	270.4	267.6	285.1	305.3	329.3	356.8	357.8	326.5	283.3	234.5	198.7
62.5°	273.2	273.2	288.8	317.3	362.4	403.8	409.3	367.9	311.8	249.2	205.1
65°	247.4	246.5	267.6	306.3	355.0	419.4	427.7	390.9	312.7	244.6	197.7
67.5°	198.7	212.5	229.9	261.2	311.8	387.2	402.8	370.6	297.1	229.9	180.3
70°	171.1	183.9	192.2	217.1	251.1	307.2	326.5	317.3	252.9	196.8	151.8
72.5°	133.4	129.7	147.2	170.1	187.6	211.5	222.6	230.8	193.1	154.5	115.0
75°	81.9	82.8	91.1	107.6	126.9	138.0	141.6	132.4	125.1	99.3	75.4
77.5°	43.2	44.1	49.7	57.9	68.1	80.9	83.7	73.6	63.5	51.5	36.8
80°	25.8	25.8	28.5	31.3	36.8	36.8	36.8	36.8	27.6	24.8	13.8
82.5°	12.0	13.8	14.7	15.6	18.4	20.2	20.2	15.6	12.9	10.1	5.5
85°	7.4	7.4	7.4	7.4	7.4	8.3	8.3	6.4	5.5	4.6	1.8
87.5°	5.5	5.5	5.5	5.5	4.6	4.6	3.7	3.7	2.8	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°	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6
2.5°	117.7	117.7	116.8	115.0	70.8	62.5	52.4	46.9	45.1	42.3	44.1
5°	120.5	119.6	103.0	72.7	41.4	18.4	7.4	0.9	0.0	0.0	0.0
7.5°	120.5	120.5	97.5	66.2	37.7	12.0	2.8	0.0	0.0	0.0	0.0
10°	121.4	119.6	97.5	66.2	33.1	14.7	1.8	0.0	0.0	0.0	0.0
12.5°	121.4	119.6	96.6	67.1	39.5	17.5	1.8	0.0	0.0	0.0	0.0
15°	121.4	120.5	97.5	68.1	43.2	18.4	0.9	0.0	0.0	0.0	0.0
17.5°	118.6	118.6	97.5	69.9	44.1	13.8	0.9	0.0	0.0	0.0	0.0
20°	119.6	117.7	88.3	69.9	41.4	16.6	0.9	0.0	0.0	0.0	0.0
22.5°	117.7	115.9	87.4	70.8	39.5	19.3	0.9	0.0	0.0	0.0	0.0
25°	118.6	115.9	90.1	71.7	46.9	19.3	0.9	0.0	0.0	0.0	0.0
27.5°	121.4	119.6	96.6	70.8	50.6	19.3	0.9	0.0	0.0	0.0	0.0
30°	126.0	122.3	96.6	67.1	50.6	19.3	0.9	0.0	0.0	0.0	0.0
32.5°	132.4	126.9	99.3	72.7	48.7	18.4	0.9	0.0	0.0	0.0	0.0
35°	138.9	129.7	97.5	69.0	45.1	16.6	0.9	0.0	0.0	0.0	0.0
37.5°	141.6	131.5	95.6	65.3	40.5	13.8	0.9	0.0	0.0	0.0	0.0
40°	143.5	132.4	93.8	58.9	34.9	9.2	0.9	0.0	0.0	0.0	0.0
42.5°	144.4	131.5	89.2	52.4	29.4	9.2	0.9	0.0	0.0	0.0	0.0
45°	146.2	133.4	83.7	46.9	23.9	9.2	0.9	0.0	0.0	0.0	0.0
47.5°	149.9	132.4	80.9	40.5	19.3	7.4	0.9	0.0	0.0	0.0	0.0
50°	154.5	133.4	80.0	35.9	16.6	6.4	0.9	0.0	0.0	0.0	0.0
52.5°	160.0	137.0	80.9	33.1	14.7	5.5	0.9	0.0	0.0	0.0	0.0
55°	163.7	144.4	81.9	31.3	13.8	5.5	0.9	0.0	0.0	0.0	0.0
57.5°	172.0	149.9	86.5	30.4	12.9	4.6	0.0	0.0	0.0	0.0	0.0
60°	181.2	157.3	91.1	29.4	12.9	5.5	0.0	0.0	0.0	0.0	0.0
62.5°	182.1	162.8	92.0	29.4	12.0	5.5	0.0	0.0	0.0	0.0	0.0
65°	174.7	154.5	92.0	26.7	11.0	4.6	0.0	0.0	0.0	0.0	0.0
67.5°	155.4	138.9	82.8	23.9	9.2	4.6	0.9	0.0	0.0	0.0	0.0
70°	128.8	114.0	71.7	20.2	8.3	3.7	0.9	0.0	0.0	0.0	0.0
72.5°	97.5	88.3	57.9	15.6	6.4	2.8	0.9	0.0	0.0	0.0	0.0
75°	61.6	57.0	41.4	11.0	5.5	1.8	0.9	0.0	0.0	0.0	0.0
77.5°	30.4	32.2	23.0	8.3	3.7	1.8	0.0	0.0	0.0	0.0	0.0
80°	9.2	10.1	10.1	4.6	2.8	0.9	0.0	0.0	0.0	0.0	0.0
82.5°	4.6	4.6	3.7	2.8	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)