

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: P394728

Luminaire Tested: **303-B1-LEDB2-4000-UNV-T4-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394728
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-LEDB2-4000-UNV-T4-DIM10
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, TWO LIGHTBAR, TYPE 4
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1276.6 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Luminous Opening: Rectangular (W 0.38' x L: 0.42' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

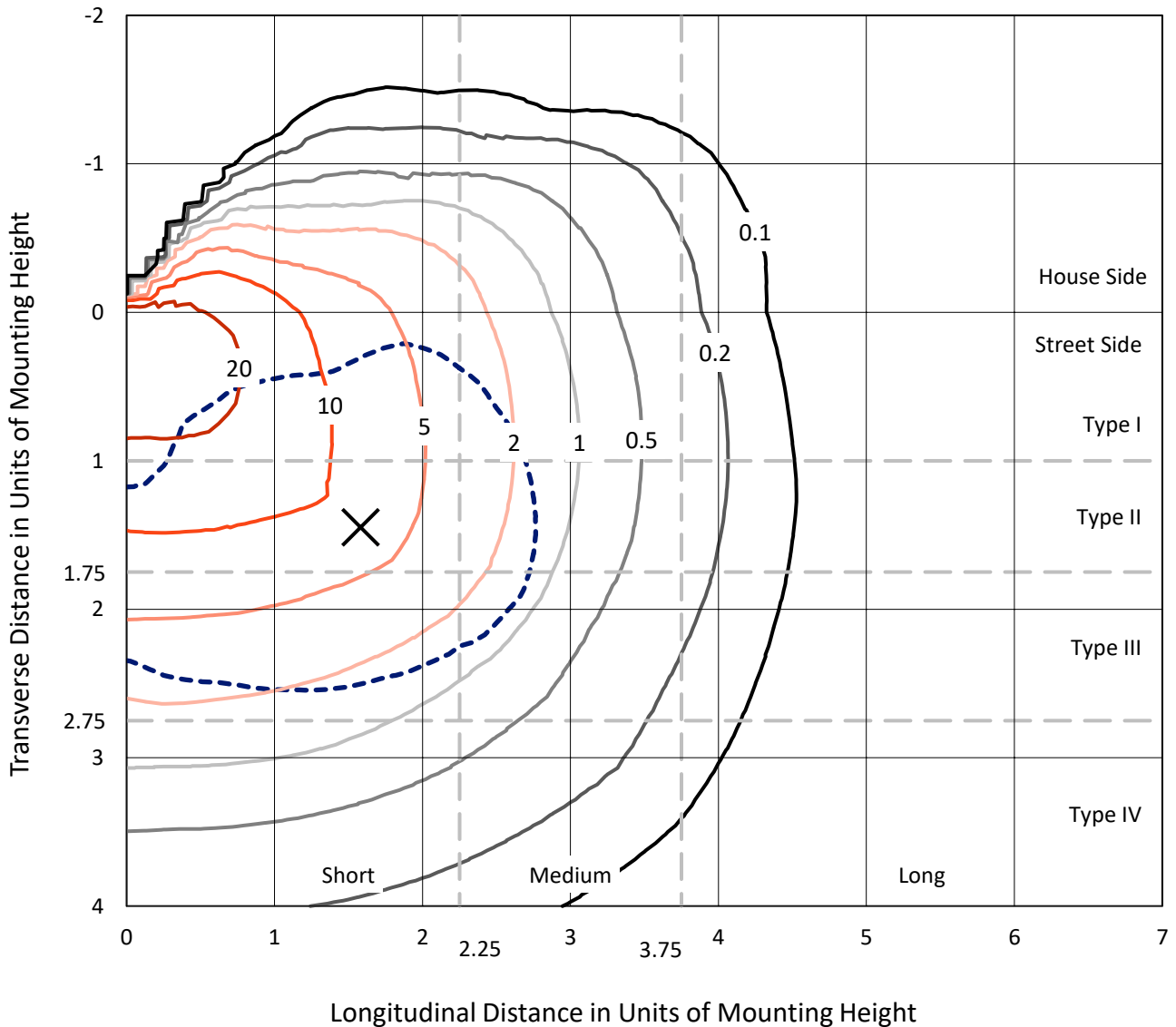
Input Watts (W): 15.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

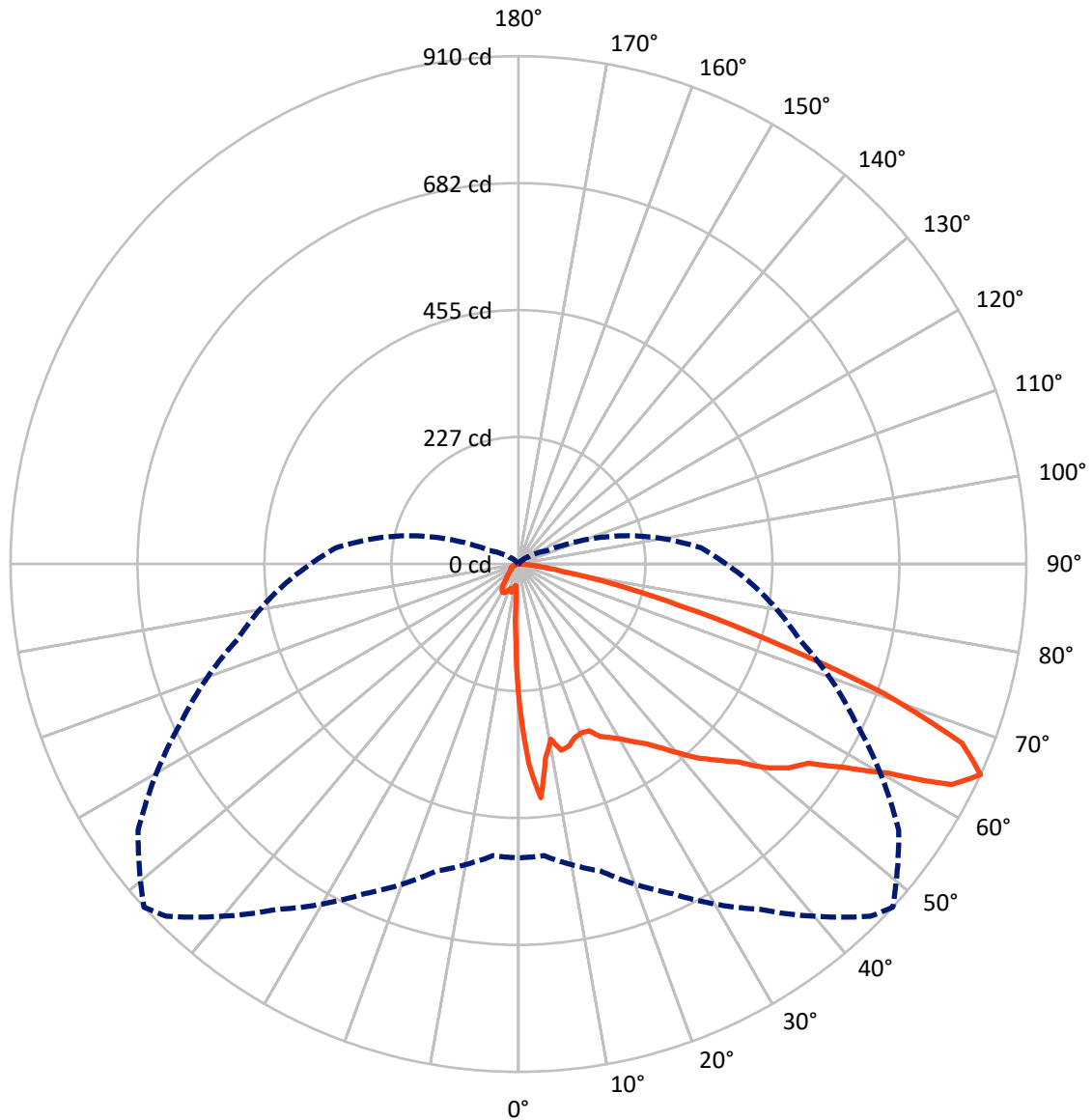
✕ Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 38.5 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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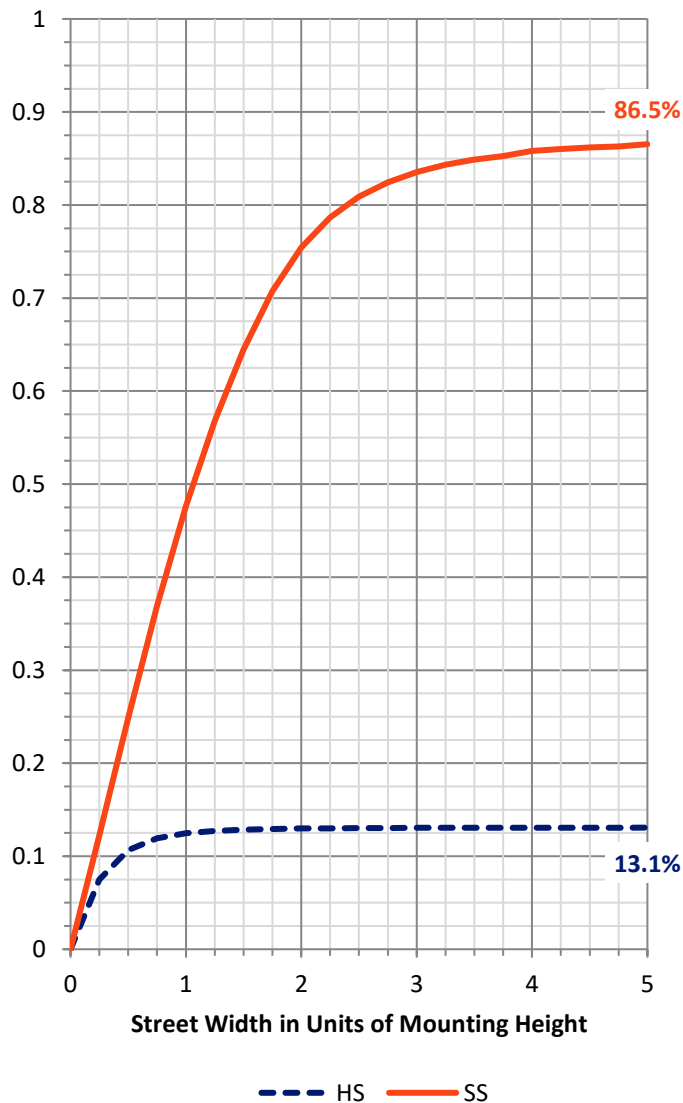
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	168.4	0.0	168.4
	% Fixture	13.2	0.0	13.2
Street Side	Lumens	1108.2	0.0	1108.2
	% Fixture	86.8	0.0	86.8
Total	Lumens	1276.6	0.0	1276.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.7	1.6
10°-20°	55.7	4.4
20°-30°	94.1	7.4
30°-40°	145.0	11.4
40°-50°	198.5	15.5
50°-60°	269.2	21.1
60°-70°	335.6	26.3
70°-80°	145.8	11.4
80°-90°	12.1	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°	1276.6	100.0
0°-180°	1276.6	100.0

Coefficient of Utilization



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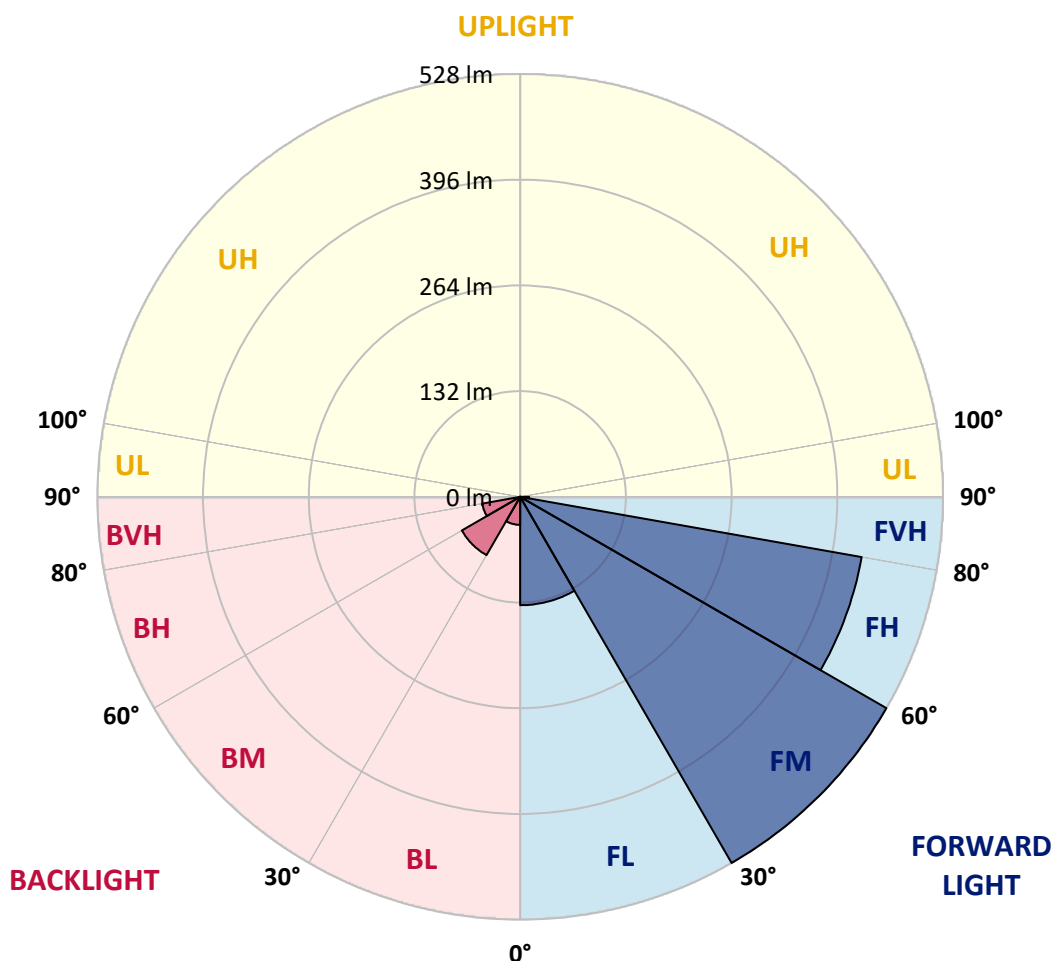
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	135.5	10.6			
FM	(30°-60°)	528.4	41.4			
FH	(60°-80°)	433.3	33.9			G0/660
FVH	(80°-90°)	11.1	0.9			G1/100
BL	(0°-30°)	35.1	2.7	B0/110		
BM	(30°-60°)	84.2	6.6	B0/220		
BH	(60°-80°)	48.1	3.8	B0/110		G0/110
BVH	(80°-90°)	1.0	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47.5°	55°	65°	75°	85°
0°	252.4	252.4	252.4	252.4	252.4	252.4	252.4	252.4	252.4	252.4	252.4
2.5°	397.1	391.2	391.2	377.5	373.6	361.9	358.0	348.2	297.3	260.2	252.4
5°	369.7	373.6	385.4	395.2	422.5	420.6	420.6	385.4	342.3	316.9	258.2
7.5°	352.1	350.2	338.4	332.6	332.6	346.2	350.2	373.6	342.3	309.1	262.1
10°	358.0	356.0	356.0	358.0	352.1	324.7	318.9	311.0	332.6	299.3	256.3
12.5°	326.7	320.8	328.6	334.5	352.1	336.5	342.3	313.0	295.4	299.3	258.2
15°	322.8	320.8	318.9	318.9	324.7	334.5	338.4	328.6	279.7	295.4	256.3
17.5°	334.5	330.6	326.7	320.8	318.9	320.8	326.7	322.8	291.5	283.6	254.3
20°	344.3	336.5	332.6	330.6	326.7	313.0	322.8	318.9	301.3	268.0	256.3
22.5°	344.3	338.4	340.4	336.5	342.3	328.6	324.7	318.9	309.1	270.0	258.2
25°	348.2	344.3	342.3	344.3	344.3	336.5	342.3	324.7	314.9	277.8	258.2
27.5°	352.1	346.2	350.2	352.1	356.0	344.3	352.1	338.4	320.8	295.4	273.9
30°	359.9	356.0	361.9	363.9	361.9	354.1	363.9	350.2	336.5	311.0	279.7
32.5°	373.6	365.8	381.5	381.5	375.6	371.7	379.5	363.9	354.1	326.7	295.4
35°	389.3	387.3	393.2	403.0	404.9	387.3	395.2	385.4	371.7	348.2	314.9
37.5°	401.0	395.2	404.9	420.6	426.5	412.8	418.6	403.0	385.4	365.8	324.7
40°	406.9	403.0	420.6	444.1	453.8	442.1	446.0	428.4	401.0	367.8	332.6
42.5°	408.8	404.9	432.3	455.8	477.3	467.5	475.4	453.8	418.6	375.6	332.6
45°	416.7	420.6	440.1	465.6	496.9	496.9	500.8	475.4	434.3	385.4	338.4
47.5°	436.2	434.3	451.9	481.2	522.3	526.2	530.1	494.9	451.9	393.2	344.3
50°	442.1	448.0	471.4	496.9	538.0	557.5	573.2	530.1	473.4	406.9	356.0
52.5°	473.4	465.6	489.1	518.4	563.4	588.8	606.4	559.5	493.0	416.7	367.8
55°	483.2	504.7	520.4	551.6	598.6	627.9	629.9	590.8	516.4	434.3	383.4
57.5°	541.9	538.0	559.5	590.8	624.0	674.9	686.6	633.8	557.5	465.6	401.0
60°	575.1	569.3	606.4	649.5	700.3	759.0	761.0	694.5	602.5	498.8	422.5
62.5°	581.0	581.0	614.2	674.9	770.7	858.8	870.5	782.5	663.2	530.1	436.2
65°	526.2	524.3	569.3	651.4	755.1	892.0	909.6	831.4	665.1	520.4	420.6
67.5°	422.5	451.9	489.1	555.6	663.2	823.6	856.8	788.4	631.9	489.1	383.4
70°	363.9	391.2	408.8	461.7	534.0	653.4	694.5	674.9	538.0	418.6	322.8
72.5°	283.6	275.8	313.0	361.9	399.1	449.9	473.4	491.0	410.8	328.6	244.5
75°	174.1	176.1	193.7	228.9	270.0	293.4	301.3	281.7	266.0	211.3	160.4
77.5°	91.9	93.9	105.6	123.2	144.8	172.1	178.0	156.5	135.0	109.5	78.2
80°	54.8	54.8	60.6	66.5	78.2	78.2	78.2	78.2	58.7	52.8	29.3
82.5°	25.4	29.3	31.3	33.3	39.1	43.0	43.0	33.3	27.4	21.5	11.7
85°	15.6	15.6	15.6	15.6	15.6	17.6	17.6	13.7	11.7	9.8	3.9
87.5°	11.7	11.7	11.7	11.7	9.8	9.8	7.8	7.8	5.9	2.0	2.0
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°	252.4	252.4	252.4	252.4	252.4	252.4	252.4	252.4	252.4	252.4	252.4
2.5°	250.4	250.4	248.4	244.5	150.6	133.0	111.5	99.8	95.9	90.0	93.9
5°	256.3	254.3	219.1	154.5	88.0	39.1	15.6	2.0	0.0	0.0	0.0
7.5°	256.3	256.3	207.4	140.8	80.2	25.4	5.9	0.0	0.0	0.0	0.0
10°	258.2	254.3	207.4	140.8	70.4	31.3	3.9	0.0	0.0	0.0	0.0
12.5°	258.2	254.3	205.4	142.8	84.1	37.2	3.9	0.0	0.0	0.0	0.0
15°	258.2	256.3	207.4	144.8	91.9	39.1	2.0	0.0	0.0	0.0	0.0
17.5°	252.4	252.4	207.4	148.7	93.9	29.3	2.0	0.0	0.0	0.0	0.0
20°	254.3	250.4	187.8	148.7	88.0	35.2	2.0	0.0	0.0	0.0	0.0
22.5°	250.4	246.5	185.8	150.6	84.1	41.1	2.0	0.0	0.0	0.0	0.0
25°	252.4	246.5	191.7	152.6	99.8	41.1	2.0	0.0	0.0	0.0	0.0
27.5°	258.2	254.3	205.4	150.6	107.6	41.1	2.0	0.0	0.0	0.0	0.0
30°	268.0	260.2	205.4	142.8	107.6	41.1	2.0	0.0	0.0	0.0	0.0
32.5°	281.7	270.0	211.3	154.5	103.7	39.1	2.0	0.0	0.0	0.0	0.0
35°	295.4	275.8	207.4	146.7	95.9	35.2	2.0	0.0	0.0	0.0	0.0
37.5°	301.3	279.7	203.4	138.9	86.1	29.3	2.0	0.0	0.0	0.0	0.0
40°	305.2	281.7	199.5	125.2	74.3	19.6	2.0	0.0	0.0	0.0	0.0
42.5°	307.1	279.7	189.8	111.5	62.6	19.6	2.0	0.0	0.0	0.0	0.0
45°	311.0	283.6	178.0	99.8	50.9	19.6	2.0	0.0	0.0	0.0	0.0
47.5°	318.9	281.7	172.1	86.1	41.1	15.6	2.0	0.0	0.0	0.0	0.0
50°	328.6	283.6	170.2	76.3	35.2	13.7	2.0	0.0	0.0	0.0	0.0
52.5°	340.4	291.5	172.1	70.4	31.3	11.7	2.0	0.0	0.0	0.0	0.0
55°	348.2	307.1	174.1	66.5	29.3	11.7	2.0	0.0	0.0	0.0	0.0
57.5°	365.8	318.9	183.9	64.6	27.4	9.8	0.0	0.0	0.0	0.0	0.0
60°	385.4	334.5	193.7	62.6	27.4	11.7	0.0	0.0	0.0	0.0	0.0
62.5°	387.3	346.2	195.6	62.6	25.4	11.7	0.0	0.0	0.0	0.0	0.0
65°	371.7	328.6	195.6	56.7	23.5	9.8	0.0	0.0	0.0	0.0	0.0
67.5°	330.6	295.4	176.1	50.9	19.6	9.8	2.0	0.0	0.0	0.0	0.0
70°	273.9	242.6	152.6	43.0	17.6	7.8	2.0	0.0	0.0	0.0	0.0
72.5°	207.4	187.8	123.2	33.3	13.7	5.9	2.0	0.0	0.0	0.0	0.0
75°	131.1	121.3	88.0	23.5	11.7	3.9	2.0	0.0	0.0	0.0	0.0
77.5°	64.6	68.5	48.9	17.6	7.8	3.9	0.0	0.0	0.0	0.0	0.0
80°	19.6	21.5	21.5	9.8	5.9	2.0	0.0	0.0	0.0	0.0	0.0
82.5°	9.8	9.8	7.8	5.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.9	3.9	2.0	2.0	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)