

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: P394707

Luminaire Tested: **303-B1-LEDB2-3000-UNV-T2-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394707
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-LEDB2-3000-UNV-T2-DIM10
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, TWO LIGHTBAR, TYPE 2
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1153 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Luminous Opening: Rectangular (W 0.38' x L: 0.42' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

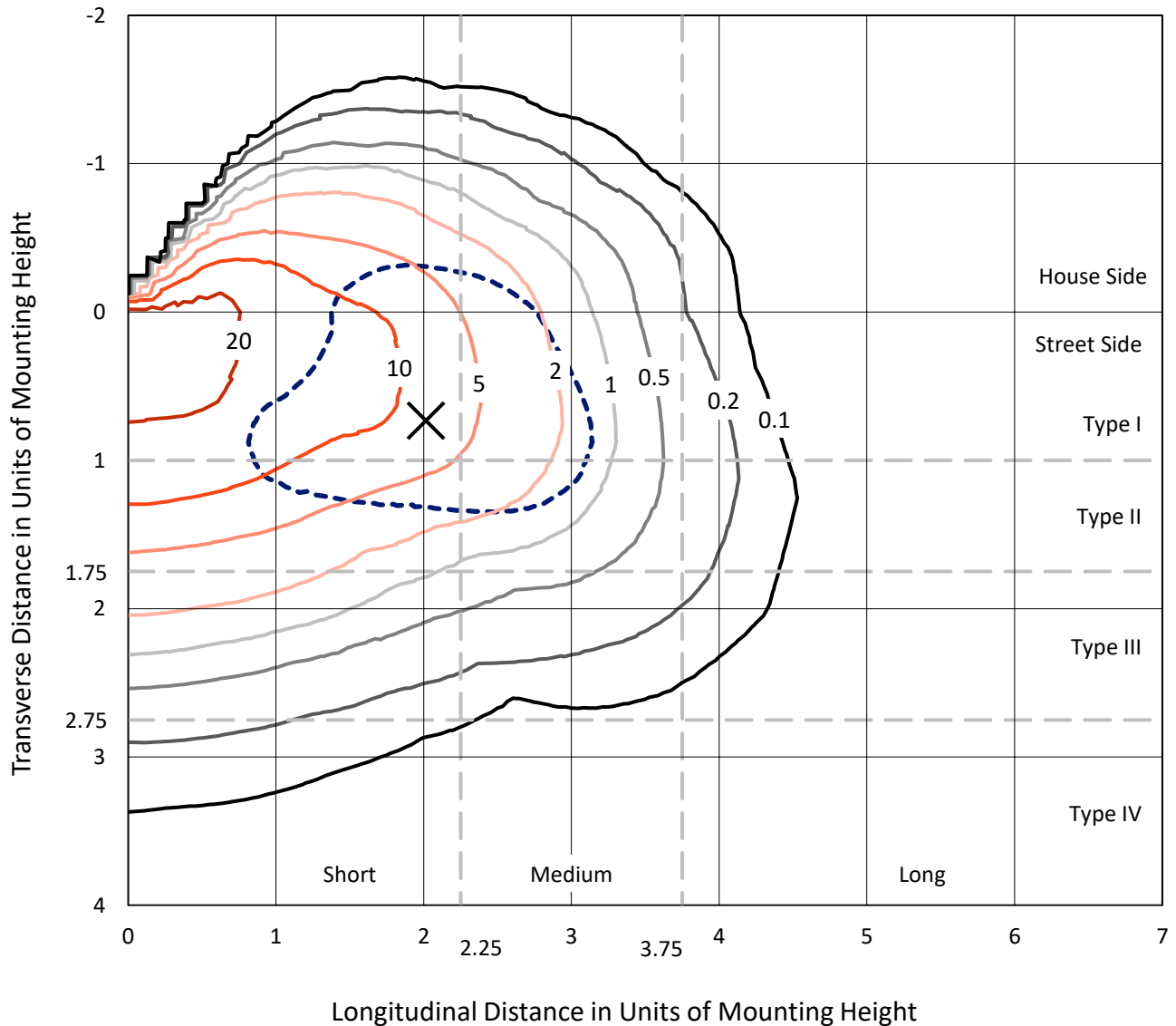
Input Watts (W): 15.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

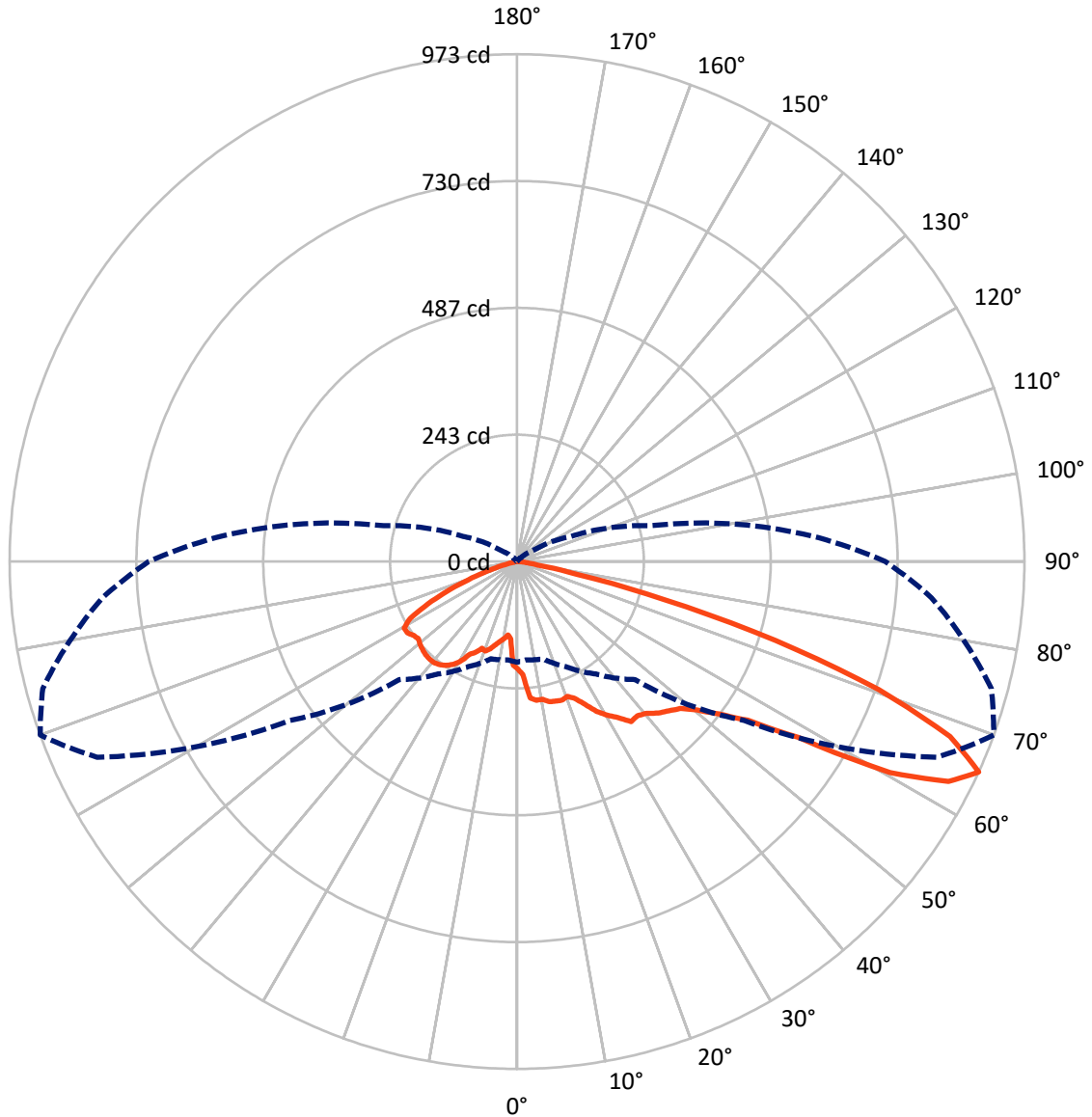
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 32.1 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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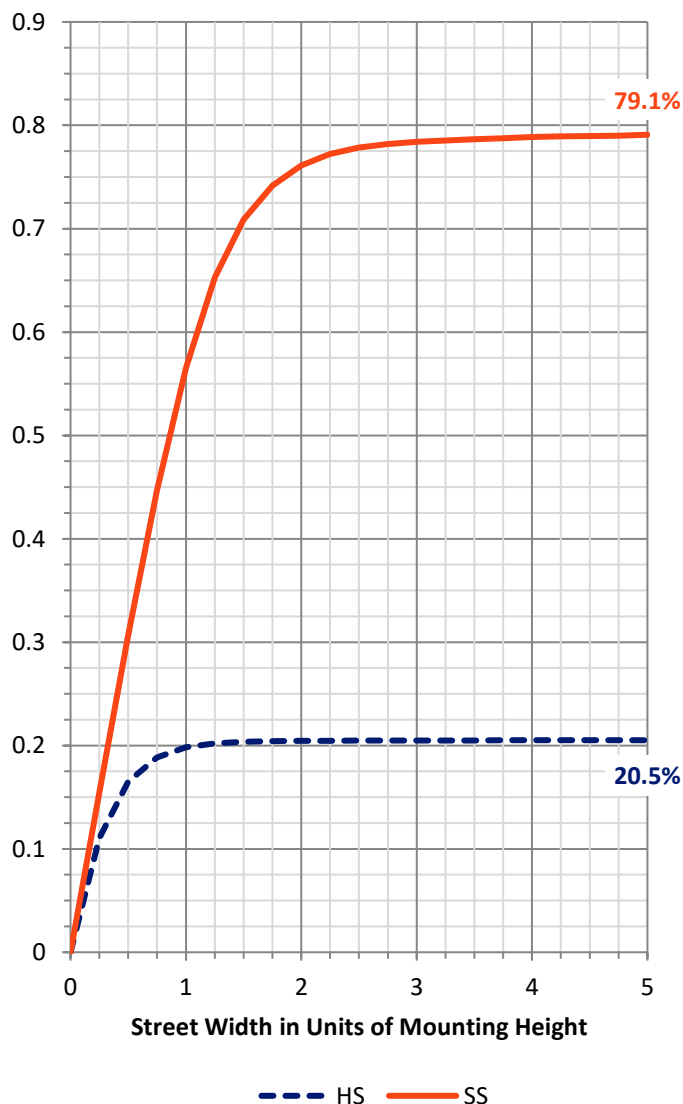
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	238.5	0.0	238.5
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	914.4	0.0	914.4
	% Fixture	79.3	0.0	79.3
Total	Lumens	1153.0	0.0	1153.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.3	1.5
10°-20°	51.6	4.5
20°-30°	92.3	8.0
30°-40°	145.9	12.7
40°-50°	205.6	17.8
50°-60°	269.3	23.4
60°-70°	279.4	24.2
70°-80°	84.0	7.3
80°-90°	7.5	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°	1153.0	100.0
0°-180°	1153.0	100.0

Coefficient of Utilization



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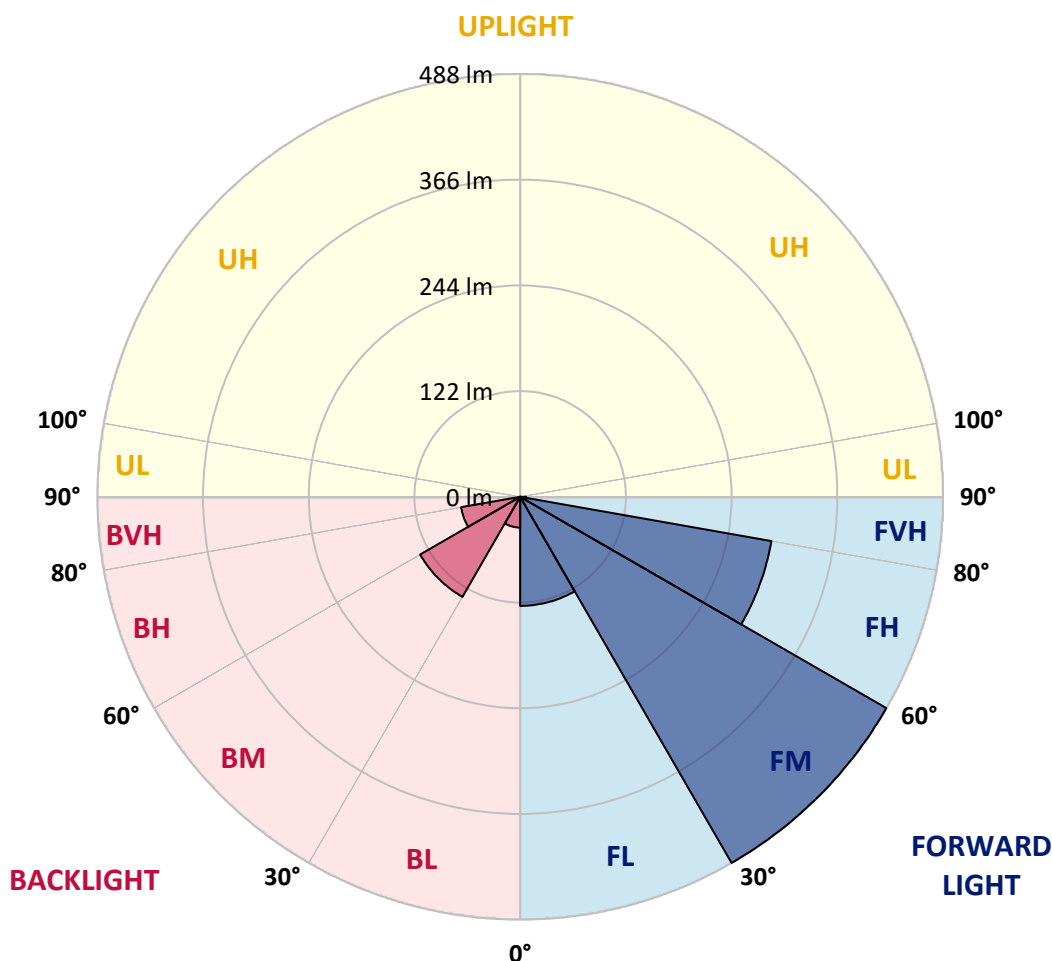
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	125.8	10.9			
FM (30°-60°)	487.6	42.3			
FH (60°-80°)	294.2	25.5			G0/660
FVH (80°-90°)	6.8	0.6			G0/10
BL (0°-30°)	35.4	3.1	B0/110		
BM (30°-60°)	133.2	11.6	B0/220		
BH (60°-80°)	69.2	6.0	B0/110		G0/110
BVH (80°-90°)	0.7	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°	206.0	206.0	206.0	206.0	206.0	206.0	206.0	206.0	206.0	206.0	206.0
2.5°	325.6	309.0	305.3	307.2	294.3	288.8	272.2	229.9	217.1	209.7	206.0
5°	334.8	331.1	334.8	340.3	336.6	332.9	310.9	279.6	263.0	248.3	209.7
7.5°	288.8	290.6	292.5	303.5	316.4	323.7	303.5	281.4	268.6	248.3	215.2
10°	301.7	296.1	296.1	292.5	286.9	286.9	298.0	283.3	268.6	253.8	220.7
12.5°	305.3	298.0	307.2	310.9	312.7	288.8	281.4	286.9	275.9	259.4	228.1
15°	305.3	294.3	296.1	307.2	310.9	309.0	283.3	272.2	277.8	264.9	237.3
17.5°	303.5	288.8	292.5	299.8	299.8	318.2	301.7	268.6	279.6	272.2	248.3
20°	303.5	301.7	299.8	298.0	298.0	307.2	307.2	283.3	275.9	283.3	259.4
22.5°	312.7	303.5	305.3	307.2	299.8	309.0	310.9	305.3	285.1	285.1	272.2
25°	305.3	303.5	303.5	310.9	316.4	316.4	314.5	318.2	303.5	290.6	286.9
27.5°	310.9	309.0	309.0	312.7	320.1	331.1	321.9	332.9	325.6	305.3	299.8
30°	316.4	312.7	316.4	321.9	329.3	338.5	332.9	342.1	342.1	320.1	314.5
32.5°	340.3	321.9	323.7	331.1	342.1	353.2	349.5	349.5	356.8	342.1	327.4
35°	345.8	334.8	338.5	347.6	358.7	369.7	369.7	367.9	377.1	362.4	342.1
37.5°	351.3	351.3	351.3	367.9	375.2	388.1	380.8	377.1	375.2	366.0	345.8
40°	367.9	367.9	369.7	382.6	393.6	406.5	395.5	384.4	382.6	377.1	364.2
42.5°	388.1	386.3	393.6	399.2	415.7	426.7	421.2	402.8	397.3	384.4	378.9
45°	410.2	399.2	399.2	421.2	434.1	448.8	445.1	415.7	408.4	399.2	395.5
47.5°	404.7	404.7	402.8	426.7	447.0	470.9	476.4	435.9	421.2	408.4	408.4
50°	406.5	404.7	412.0	428.6	459.9	487.4	500.3	469.1	447.0	434.1	417.5
52.5°	397.3	404.7	401.0	430.4	459.9	498.5	520.6	507.7	485.6	474.6	443.3
55°	362.4	362.4	377.1	413.9	461.7	504.0	550.0	548.1	537.1	520.6	498.5
57.5°	331.1	325.6	331.1	364.2	435.9	505.8	588.6	643.8	636.4	621.7	629.1
60°	275.9	266.7	285.1	321.9	393.6	485.6	612.5	787.3	822.2	798.3	781.8
62.5°	235.4	237.3	244.6	274.1	323.7	412.0	597.8	866.4	928.9	912.4	831.4
65°	193.1	189.5	193.1	222.6	263.0	320.1	531.6	888.4	973.1	941.8	798.3
67.5°	112.2	110.4	115.9	141.6	191.3	233.6	401.0	811.2	895.8	873.7	710.0
70°	57.0	58.9	60.7	69.9	104.8	160.0	268.6	642.0	735.8	752.3	557.3
72.5°	44.1	42.3	44.1	46.0	57.0	93.8	182.1	445.1	518.7	527.9	380.8
75°	31.3	31.3	33.1	33.1	34.9	46.0	134.3	266.7	290.6	270.4	154.5
77.5°	25.8	25.8	23.9	23.9	23.9	27.6	82.8	123.2	117.7	112.2	44.1
80°	20.2	20.2	20.2	20.2	20.2	20.2	36.8	51.5	40.5	46.0	20.2
82.5°	16.6	16.6	16.6	14.7	14.7	14.7	16.6	22.1	20.2	27.6	11.0
85°	14.7	12.9	12.9	12.9	12.9	11.0	11.0	9.2	9.2	9.2	3.7
87.5°	12.9	12.9	12.9	11.0	11.0	9.2	7.4	5.5	5.5	3.7	1.8
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°	206.0	206.0	206.0	206.0	206.0	206.0	206.0	206.0	206.0	206.0	206.0
2.5°	207.9	204.2	204.2	193.1	132.4	97.5	92.0	88.3	80.9	73.6	71.7
5°	209.7	207.9	174.7	123.2	68.1	22.1	3.7	0.0	0.0	0.0	0.0
7.5°	211.5	211.5	172.9	110.4	69.9	25.8	3.7	0.0	0.0	0.0	0.0
10°	218.9	217.1	178.4	121.4	62.5	29.4	1.8	0.0	0.0	0.0	0.0
12.5°	226.2	228.1	187.6	125.1	73.6	31.3	1.8	0.0	0.0	0.0	0.0
15°	233.6	237.3	198.7	130.6	79.1	31.3	1.8	0.0	0.0	0.0	0.0
17.5°	244.6	248.3	211.5	138.0	84.6	33.1	1.8	0.0	0.0	0.0	0.0
20°	257.5	261.2	220.7	143.5	92.0	34.9	1.8	0.0	0.0	0.0	0.0
22.5°	272.2	277.8	207.9	150.8	82.8	34.9	1.8	0.0	0.0	0.0	0.0
25°	285.1	288.8	220.7	161.9	80.9	36.8	1.8	0.0	0.0	0.0	0.0
27.5°	298.0	303.5	241.0	158.2	104.8	38.6	1.8	0.0	0.0	0.0	0.0
30°	314.5	320.1	261.2	178.4	110.4	38.6	1.8	0.0	0.0	0.0	0.0
32.5°	332.9	334.8	281.4	183.9	117.7	38.6	0.0	0.0	0.0	0.0	0.0
35°	345.8	349.5	292.5	191.3	117.7	38.6	0.0	0.0	0.0	0.0	0.0
37.5°	356.8	360.5	299.8	195.0	117.7	38.6	0.0	0.0	0.0	0.0	0.0
40°	367.9	375.2	305.3	196.8	115.9	36.8	0.0	0.0	0.0	0.0	0.0
42.5°	382.6	386.3	305.3	196.8	106.7	18.4	0.0	0.0	0.0	0.0	0.0
45°	395.5	393.6	307.2	193.1	104.8	34.9	1.8	0.0	0.0	0.0	0.0
47.5°	410.2	402.8	307.2	187.6	86.5	34.9	1.8	0.0	0.0	0.0	0.0
50°	424.9	410.2	305.3	183.9	95.6	31.3	1.8	0.0	0.0	0.0	0.0
52.5°	447.0	423.1	303.5	176.6	90.1	29.4	1.8	0.0	0.0	0.0	0.0
55°	504.0	470.9	312.7	174.7	82.8	25.8	1.8	0.0	0.0	0.0	0.0
57.5°	605.2	542.6	327.4	174.7	73.6	22.1	0.0	0.0	0.0	0.0	0.0
60°	706.3	614.4	334.8	167.4	60.7	18.4	0.0	0.0	0.0	0.0	0.0
62.5°	745.0	621.7	312.7	150.8	47.8	14.7	0.0	0.0	0.0	0.0	0.0
65°	706.3	566.5	264.9	114.0	34.9	11.0	0.0	0.0	0.0	0.0	0.0
67.5°	616.2	496.6	209.7	82.8	25.8	9.2	0.0	0.0	0.0	0.0	0.0
70°	489.3	393.6	147.2	53.3	16.6	5.5	0.0	0.0	0.0	0.0	0.0
72.5°	310.9	259.4	88.3	31.3	11.0	3.7	0.0	0.0	0.0	0.0	0.0
75°	112.2	106.7	44.1	18.4	7.4	1.8	0.0	0.0	0.0	0.0	0.0
77.5°	36.8	33.1	18.4	9.2	3.7	1.8	0.0	0.0	0.0	0.0	0.0
80°	16.6	14.7	9.2	5.5	3.7	1.8	0.0	0.0	0.0	0.0	0.0
82.5°	9.2	9.2	5.5	3.7	1.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.7	3.7	1.8	1.8	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)