

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: P394723

Luminaire Tested: **303-B1-LEDB2-2700-UNV-T4-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394723
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-LEDB2-2700-UNV-T4-DIM10
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, TWO LIGHTBAR, TYPE 4
Light Source: 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1167 lumens
Efficiency: N/A
Efficacy: 75.3 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

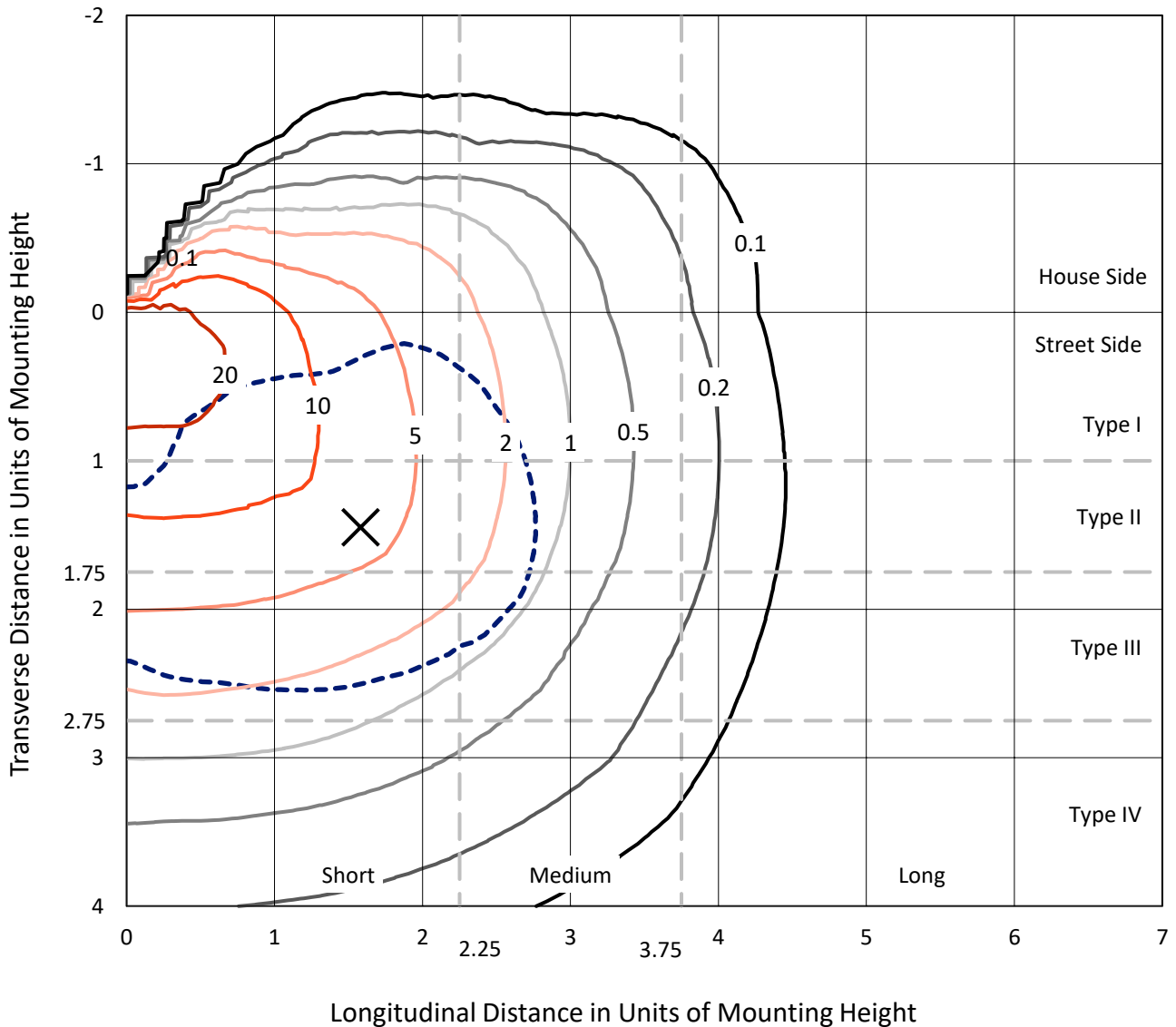
Input Watts (W): 15.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

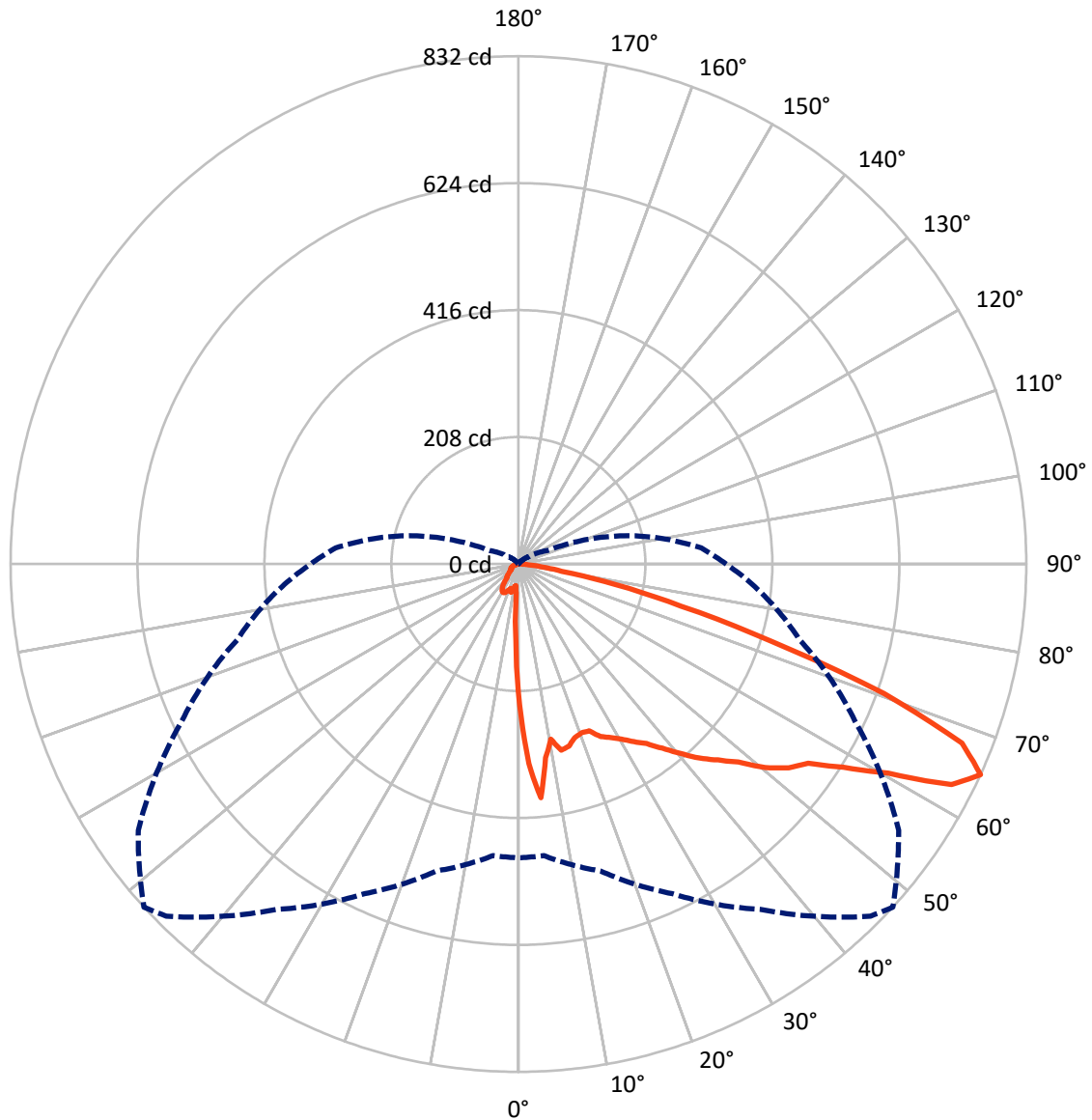
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 35.2 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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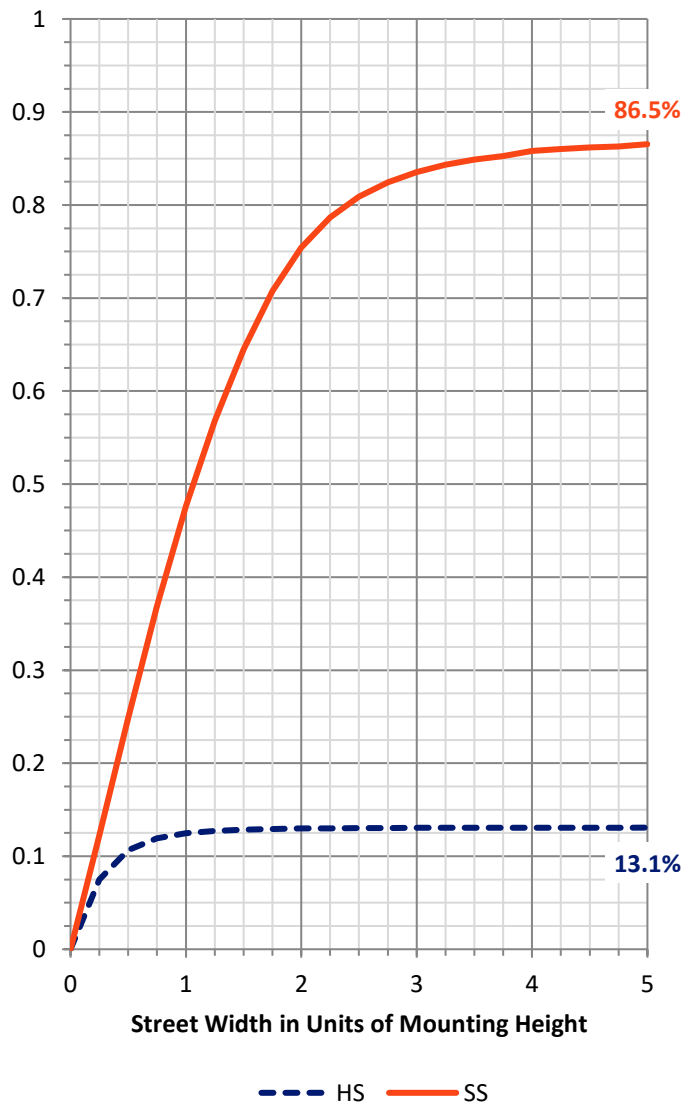
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	153.9	0.0	153.9
	% Fixture	13.2	0.0	13.2
Street Side	Lumens	1013.1	0.0	1013.1
	% Fixture	86.8	0.0	86.8
Total	Lumens	1167.0	0.0	1167.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.9	1.6
10°-20°	50.9	4.4
20°-30°	86.0	7.4
30°-40°	132.5	11.4
40°-50°	181.4	15.5
50°-60°	246.1	21.1
60°-70°	306.8	26.3
70°-80°	133.3	11.4
80°-90°	11.1	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°	1167.0	100.0
0°-180°	1167.0	100.0

Coefficient of Utilization



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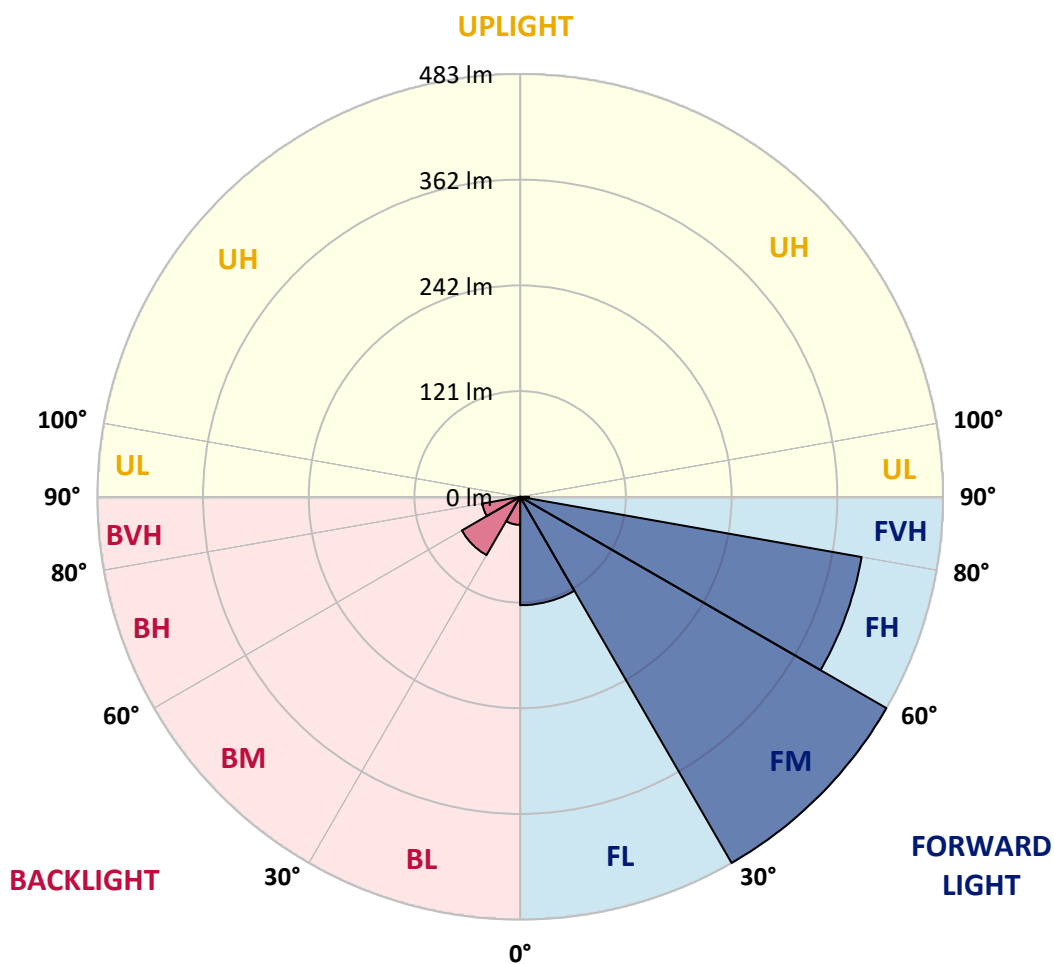
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	123.8	10.6			
FM (30°-60°)	483.0	41.4			
FH (60°-80°)	396.1	33.9			G0/660
FVH (80°-90°)	10.2	0.9			G1/100
BL (0°-30°)	32.1	2.7	B0/110		
BM (30°-60°)	77.0	6.6	B0/220		
BH (60°-80°)	44.0	3.8	B0/110		G0/110
BVH (80°-90°)	0.9	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°	230.7	230.7	230.7	230.7	230.7	230.7	230.7	230.7	230.7	230.7	230.7
2.5°	363.0	357.7	357.7	345.1	341.6	330.8	327.3	318.3	271.8	237.8	230.7
5°	338.0	341.6	352.3	361.2	386.3	384.5	384.5	352.3	313.0	289.7	236.1
7.5°	321.9	320.1	309.4	304.0	304.0	316.5	320.1	341.6	313.0	282.6	239.6
10°	327.3	325.5	325.5	327.3	321.9	296.9	291.5	284.3	304.0	273.6	234.3
12.5°	298.6	293.3	300.4	305.8	321.9	307.6	313.0	286.1	270.0	273.6	236.1
15°	295.1	293.3	291.5	291.5	296.9	305.8	309.4	300.4	255.7	270.0	234.3
17.5°	305.8	302.2	298.6	293.3	291.5	293.3	298.6	295.1	266.5	259.3	232.5
20°	314.7	307.6	304.0	302.2	298.6	286.1	295.1	291.5	275.4	245.0	234.3
22.5°	314.7	309.4	311.2	307.6	313.0	300.4	296.9	291.5	282.6	246.8	236.1
25°	318.3	314.7	313.0	314.7	314.7	307.6	313.0	296.9	287.9	253.9	236.1
27.5°	321.9	316.5	320.1	321.9	325.5	314.7	321.9	309.4	293.3	270.0	250.4
30°	329.1	325.5	330.8	332.6	330.8	323.7	332.6	320.1	307.6	284.3	255.7
32.5°	341.6	334.4	348.7	348.7	343.4	339.8	346.9	332.6	323.7	298.6	270.0
35°	355.9	354.1	359.5	368.4	370.2	354.1	361.2	352.3	339.8	318.3	287.9
37.5°	366.6	361.2	370.2	384.5	389.9	377.3	382.7	368.4	352.3	334.4	296.9
40°	372.0	368.4	384.5	405.9	414.9	404.2	407.7	391.6	366.6	336.2	304.0
42.5°	373.8	370.2	395.2	416.7	436.4	427.4	434.6	414.9	382.7	343.4	304.0
45°	380.9	384.5	402.4	425.6	454.2	454.2	457.8	434.6	397.0	352.3	309.4
47.5°	398.8	397.0	413.1	439.9	477.5	481.1	484.6	452.4	413.1	359.5	314.7
50°	404.2	409.5	431.0	454.2	491.8	509.7	524.0	484.6	432.8	372.0	325.5
52.5°	432.8	425.6	447.1	473.9	515.0	538.3	554.4	511.5	450.7	380.9	336.2
55°	441.7	461.4	475.7	504.3	547.2	574.1	575.8	540.1	472.1	397.0	350.5
57.5°	495.4	491.8	511.5	540.1	570.5	617.0	627.7	579.4	509.7	425.6	366.6
60°	525.8	520.4	554.4	593.7	640.2	693.9	695.7	634.9	550.8	456.0	386.3
62.5°	531.1	531.1	561.5	617.0	704.6	785.1	795.8	715.3	606.2	484.6	398.8
65°	481.1	479.3	520.4	595.5	690.3	815.5	831.6	760.0	608.0	475.7	384.5
67.5°	386.3	413.1	447.1	507.9	606.2	752.9	783.3	720.7	577.6	447.1	350.5
70°	332.6	357.7	373.8	422.0	488.2	597.3	634.9	617.0	491.8	382.7	295.1
72.5°	259.3	252.2	286.1	330.8	364.8	411.3	432.8	448.9	375.5	300.4	223.5
75°	159.2	160.9	177.0	209.2	246.8	268.2	275.4	257.5	243.2	193.1	146.6
77.5°	84.1	85.8	96.6	112.7	132.3	157.4	162.7	143.1	123.4	100.1	71.5
80°	50.1	50.1	55.4	60.8	71.5	71.5	71.5	71.5	53.6	48.3	26.8
82.5°	23.2	26.8	28.6	30.4	35.8	39.3	39.3	30.4	25.0	19.7	10.7
85°	14.3	14.3	14.3	14.3	14.3	16.1	16.1	12.5	10.7	8.9	3.6
87.5°	10.7	10.7	10.7	10.7	8.9	8.9	7.2	7.2	5.4	1.8	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°	230.7	230.7	230.7	230.7	230.7	230.7	230.7	230.7	230.7	230.7	230.7
2.5°	228.9	228.9	227.1	223.5	137.7	121.6	101.9	91.2	87.6	82.3	85.8
5°	234.3	232.5	200.3	141.3	80.5	35.8	14.3	1.8	0.0	0.0	0.0
7.5°	234.3	234.3	189.6	128.8	73.3	23.2	5.4	0.0	0.0	0.0	0.0
10°	236.1	232.5	189.6	128.8	64.4	28.6	3.6	0.0	0.0	0.0	0.0
12.5°	236.1	232.5	187.8	130.5	76.9	34.0	3.6	0.0	0.0	0.0	0.0
15°	236.1	234.3	189.6	132.3	84.1	35.8	1.8	0.0	0.0	0.0	0.0
17.5°	230.7	230.7	189.6	135.9	85.8	26.8	1.8	0.0	0.0	0.0	0.0
20°	232.5	228.9	171.7	135.9	80.5	32.2	1.8	0.0	0.0	0.0	0.0
22.5°	228.9	225.3	169.9	137.7	76.9	37.6	1.8	0.0	0.0	0.0	0.0
25°	230.7	225.3	175.3	139.5	91.2	37.6	1.8	0.0	0.0	0.0	0.0
27.5°	236.1	232.5	187.8	137.7	98.4	37.6	1.8	0.0	0.0	0.0	0.0
30°	245.0	237.8	187.8	130.5	98.4	37.6	1.8	0.0	0.0	0.0	0.0
32.5°	257.5	246.8	193.1	141.3	94.8	35.8	1.8	0.0	0.0	0.0	0.0
35°	270.0	252.2	189.6	134.1	87.6	32.2	1.8	0.0	0.0	0.0	0.0
37.5°	275.4	255.7	186.0	127.0	78.7	26.8	1.8	0.0	0.0	0.0	0.0
40°	279.0	257.5	182.4	114.5	68.0	17.9	1.8	0.0	0.0	0.0	0.0
42.5°	280.8	255.7	173.5	101.9	57.2	17.9	1.8	0.0	0.0	0.0	0.0
45°	284.3	259.3	162.7	91.2	46.5	17.9	1.8	0.0	0.0	0.0	0.0
47.5°	291.5	257.5	157.4	78.7	37.6	14.3	1.8	0.0	0.0	0.0	0.0
50°	300.4	259.3	155.6	69.7	32.2	12.5	1.8	0.0	0.0	0.0	0.0
52.5°	311.2	266.5	157.4	64.4	28.6	10.7	1.8	0.0	0.0	0.0	0.0
55°	318.3	280.8	159.2	60.8	26.8	10.7	1.8	0.0	0.0	0.0	0.0
57.5°	334.4	291.5	168.1	59.0	25.0	8.9	0.0	0.0	0.0	0.0	0.0
60°	352.3	305.8	177.0	57.2	25.0	10.7	0.0	0.0	0.0	0.0	0.0
62.5°	354.1	316.5	178.8	57.2	23.2	10.7	0.0	0.0	0.0	0.0	0.0
65°	339.8	300.4	178.8	51.9	21.5	8.9	0.0	0.0	0.0	0.0	0.0
67.5°	302.2	270.0	160.9	46.5	17.9	8.9	1.8	0.0	0.0	0.0	0.0
70°	250.4	221.8	139.5	39.3	16.1	7.2	1.8	0.0	0.0	0.0	0.0
72.5°	189.6	171.7	112.7	30.4	12.5	5.4	1.8	0.0	0.0	0.0	0.0
75°	119.8	110.9	80.5	21.5	10.7	3.6	1.8	0.0	0.0	0.0	0.0
77.5°	59.0	62.6	44.7	16.1	7.2	3.6	0.0	0.0	0.0	0.0	0.0
80°	17.9	19.7	19.7	8.9	5.4	1.8	0.0	0.0	0.0	0.0	0.0
82.5°	8.9	8.9	7.2	5.4	1.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.6	3.6	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)