

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: P394705

Luminaire Tested: **303-B1-LEDB2-2700-UNV-T2-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394705
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-LEDB2-2700-UNV-T2-DIM10
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, TWO LIGHTBAR, TYPE 2
Light Source: 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1121 lumens
Efficiency: N/A
Efficacy: 72.3 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

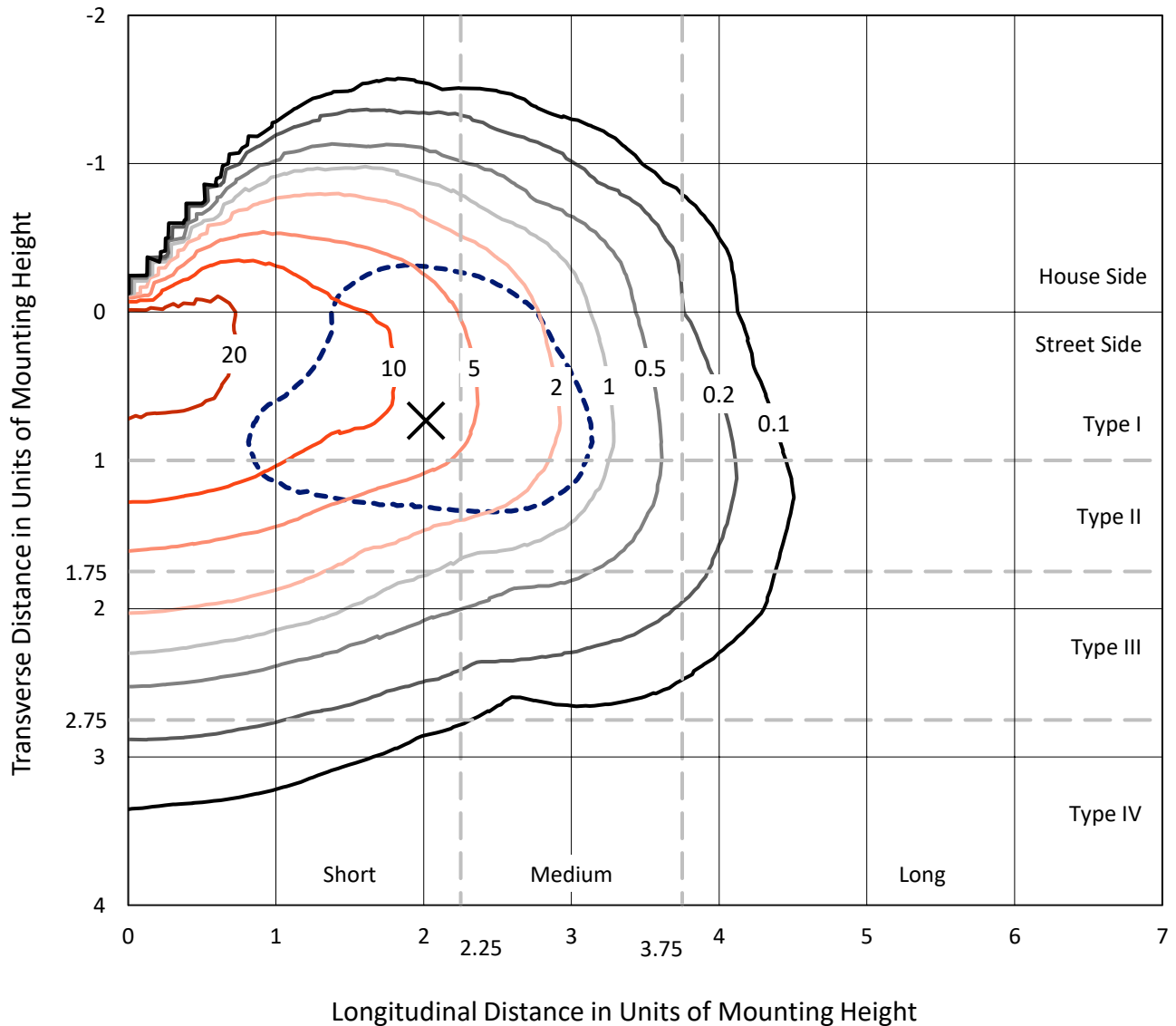
Input Watts (W): 15.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

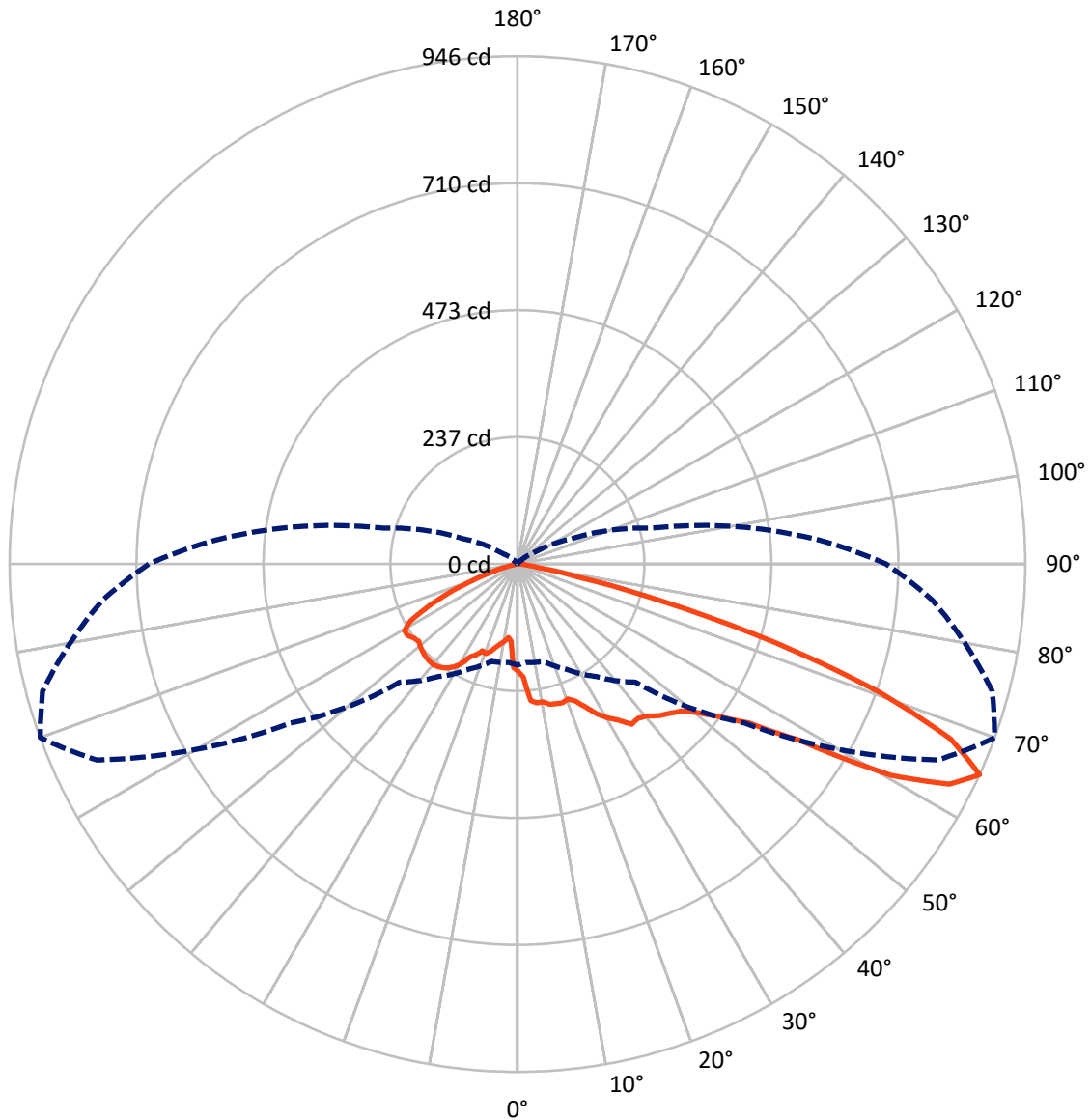
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 31.2 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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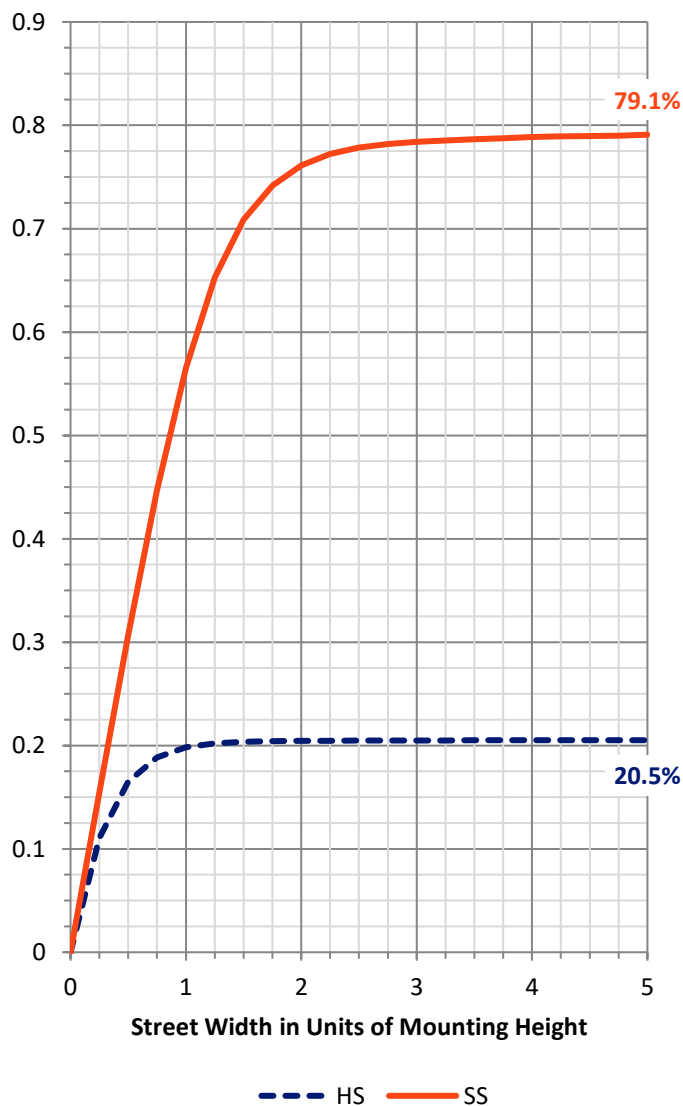
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	231.9	0.0	231.9
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	889.0	0.0	889.0
	% Fixture	79.3	0.0	79.3
Total	Lumens	1121.0	0.0	1121.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.9	1.5
10°-20°	50.1	4.5
20°-30°	89.8	8.0
30°-40°	141.9	12.7
40°-50°	199.9	17.8
50°-60°	261.8	23.4
60°-70°	271.7	24.2
70°-80°	81.7	7.3
80°-90°	7.3	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°	1121.0	100.0
0°-180°	1121.0	100.0

Coefficient of Utilization



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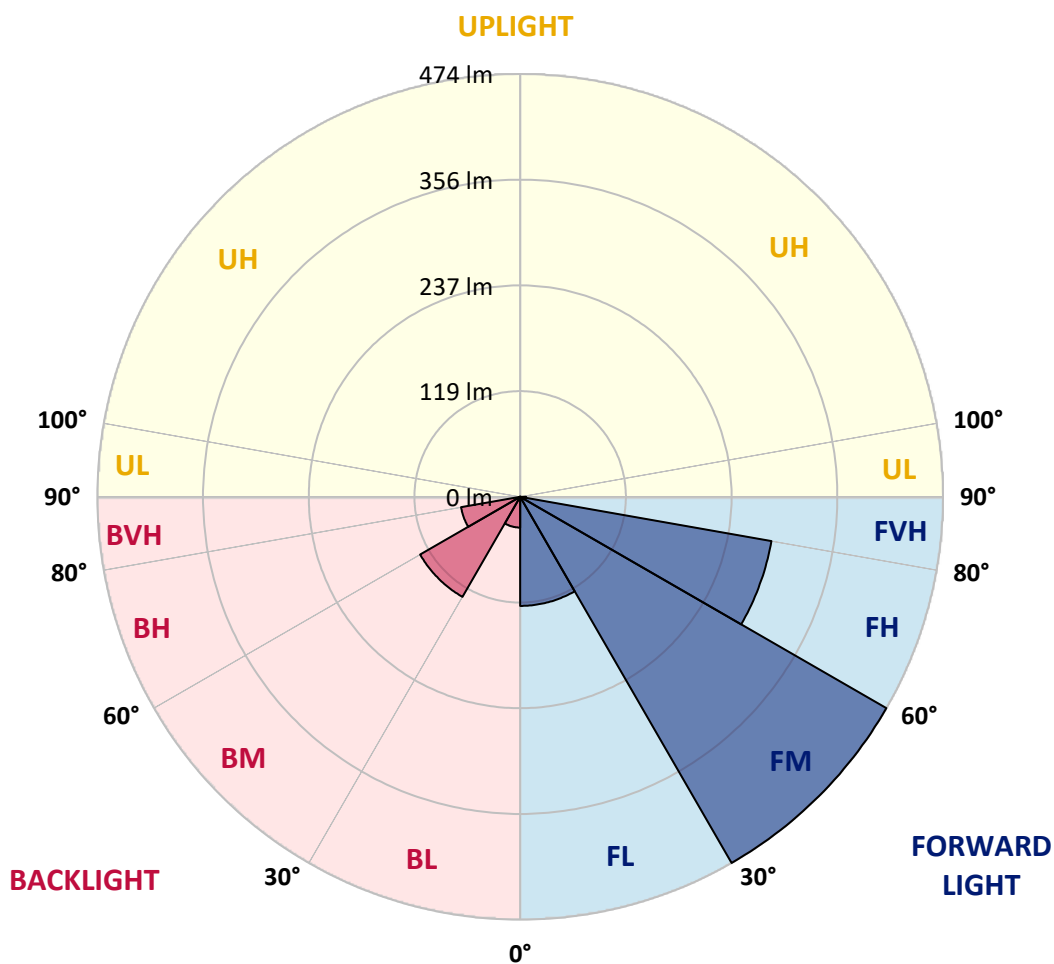
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	122.3	10.9			
FM (30°-60°)	474.1	42.3			
FH (60°-80°)	286.0	25.5			G0/660
FVH (80°-90°)	6.6	0.6			G0/10
BL (0°-30°)	34.5	3.1	B0/110		
BM (30°-60°)	129.5	11.6	B0/220		
BH (60°-80°)	67.3	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°	200.3	200.3	200.3	200.3	200.3	200.3	200.3	200.3	200.3	200.3	200.3
2.5°	316.5	300.4	296.9	298.6	286.1	280.8	264.7	223.5	211.0	203.9	200.3
5°	325.5	321.9	325.5	330.8	327.3	323.7	302.2	271.8	255.7	241.4	203.9
7.5°	280.8	282.6	284.3	295.1	307.6	314.7	295.1	273.6	261.1	241.4	209.2
10°	293.3	287.9	287.9	284.3	279.0	279.0	289.7	275.4	261.1	246.8	214.6
12.5°	296.9	289.7	298.6	302.2	304.0	280.8	273.6	279.0	268.2	252.2	221.8
15°	296.9	286.1	287.9	298.6	302.2	300.4	275.4	264.7	270.0	257.5	230.7
17.5°	295.1	280.8	284.3	291.5	291.5	309.4	293.3	261.1	271.8	264.7	241.4
20°	295.1	293.3	291.5	289.7	289.7	298.6	298.6	275.4	268.2	275.4	252.2
22.5°	304.0	295.1	296.9	298.6	291.5	300.4	302.2	296.9	277.2	277.2	264.7
25°	296.9	295.1	295.1	302.2	307.6	307.6	305.8	309.4	295.1	282.6	279.0
27.5°	302.2	300.4	300.4	304.0	311.2	321.9	313.0	323.7	316.5	296.9	291.5
30°	307.6	304.0	307.6	313.0	320.1	329.1	323.7	332.6	332.6	311.2	305.8
32.5°	330.8	313.0	314.7	321.9	332.6	343.4	339.8	339.8	346.9	332.6	318.3
35°	336.2	325.5	329.1	338.0	348.7	359.5	359.5	357.7	366.6	352.3	332.6
37.5°	341.6	341.6	341.6	357.7	364.8	377.3	370.2	366.6	364.8	355.9	336.2
40°	357.7	357.7	359.5	372.0	382.7	395.2	384.5	373.8	372.0	366.6	354.1
42.5°	377.3	375.5	382.7	388.1	404.2	414.9	409.5	391.6	386.3	373.8	368.4
45°	398.8	388.1	388.1	409.5	422.0	436.4	432.8	404.2	397.0	388.1	384.5
47.5°	393.4	393.4	391.6	414.9	434.6	457.8	463.2	423.8	409.5	397.0	397.0
50°	395.2	393.4	400.6	416.7	447.1	473.9	486.4	456.0	434.6	422.0	405.9
52.5°	386.3	393.4	389.9	418.5	447.1	484.6	506.1	493.6	472.1	461.4	431.0
55°	352.3	352.3	366.6	402.4	448.9	490.0	534.7	532.9	522.2	506.1	484.6
57.5°	321.9	316.5	321.9	354.1	423.8	491.8	572.3	625.9	618.8	604.5	611.6
60°	268.2	259.3	277.2	313.0	382.7	472.1	595.5	765.4	799.4	776.1	760.0
62.5°	228.9	230.7	237.8	266.5	314.7	400.6	581.2	842.3	903.1	887.0	808.3
65°	187.8	184.2	187.8	216.4	255.7	311.2	516.8	863.8	946.0	915.6	776.1
67.5°	109.1	107.3	112.7	137.7	186.0	227.1	389.9	788.6	870.9	849.5	690.3
70°	55.4	57.2	59.0	68.0	101.9	155.6	261.1	624.1	715.3	731.4	541.9
72.5°	42.9	41.1	42.9	44.7	55.4	91.2	177.0	432.8	504.3	513.2	370.2
75°	30.4	30.4	32.2	32.2	34.0	44.7	130.5	259.3	282.6	262.9	150.2
77.5°	25.0	25.0	23.2	23.2	23.2	26.8	80.5	119.8	114.5	109.1	42.9
80°	19.7	19.7	19.7	19.7	19.7	19.7	35.8	50.1	39.3	44.7	19.7
82.5°	16.1	16.1	16.1	14.3	14.3	14.3	16.1	21.5	19.7	26.8	10.7
85°	14.3	12.5	12.5	12.5	12.5	10.7	10.7	8.9	8.9	8.9	3.6
87.5°	12.5	12.5	12.5	10.7	10.7	8.9	7.2	5.4	5.4	3.6	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°	200.3	200.3	200.3	200.3	200.3	200.3	200.3	200.3	200.3	200.3	200.3
2.5°	202.1	198.5	198.5	187.8	128.8	94.8	89.4	85.8	78.7	71.5	69.7
5°	203.9	202.1	169.9	119.8	66.2	21.5	3.6	0.0	0.0	0.0	0.0
7.5°	205.7	205.7	168.1	107.3	68.0	25.0	3.6	0.0	0.0	0.0	0.0
10°	212.8	211.0	173.5	118.0	60.8	28.6	1.8	0.0	0.0	0.0	0.0
12.5°	220.0	221.8	182.4	121.6	71.5	30.4	1.8	0.0	0.0	0.0	0.0
15°	227.1	230.7	193.1	127.0	76.9	30.4	1.8	0.0	0.0	0.0	0.0
17.5°	237.8	241.4	205.7	134.1	82.3	32.2	1.8	0.0	0.0	0.0	0.0
20°	250.4	253.9	214.6	139.5	89.4	34.0	1.8	0.0	0.0	0.0	0.0
22.5°	264.7	270.0	202.1	146.6	80.5	34.0	1.8	0.0	0.0	0.0	0.0
25°	277.2	280.8	214.6	157.4	78.7	35.8	1.8	0.0	0.0	0.0	0.0
27.5°	289.7	295.1	234.3	153.8	101.9	37.6	1.8	0.0	0.0	0.0	0.0
30°	305.8	311.2	253.9	173.5	107.3	37.6	1.8	0.0	0.0	0.0	0.0
32.5°	323.7	325.5	273.6	178.8	114.5	37.6	0.0	0.0	0.0	0.0	0.0
35°	336.2	339.8	284.3	186.0	114.5	37.6	0.0	0.0	0.0	0.0	0.0
37.5°	346.9	350.5	291.5	189.6	114.5	37.6	0.0	0.0	0.0	0.0	0.0
40°	357.7	364.8	296.9	191.4	112.7	35.8	0.0	0.0	0.0	0.0	0.0
42.5°	372.0	375.5	296.9	191.4	103.7	17.9	0.0	0.0	0.0	0.0	0.0
45°	384.5	382.7	298.6	187.8	101.9	34.0	1.8	0.0	0.0	0.0	0.0
47.5°	398.8	391.6	298.6	182.4	84.1	34.0	1.8	0.0	0.0	0.0	0.0
50°	413.1	398.8	296.9	178.8	93.0	30.4	1.8	0.0	0.0	0.0	0.0
52.5°	434.6	411.3	295.1	171.7	87.6	28.6	1.8	0.0	0.0	0.0	0.0
55°	490.0	457.8	304.0	169.9	80.5	25.0	1.8	0.0	0.0	0.0	0.0
57.5°	588.4	527.6	318.3	169.9	71.5	21.5	0.0	0.0	0.0	0.0	0.0
60°	686.7	597.3	325.5	162.7	59.0	17.9	0.0	0.0	0.0	0.0	0.0
62.5°	724.3	604.5	304.0	146.6	46.5	14.3	0.0	0.0	0.0	0.0	0.0
65°	686.7	550.8	257.5	110.9	34.0	10.7	0.0	0.0	0.0	0.0	0.0
67.5°	599.1	482.8	203.9	80.5	25.0	8.9	0.0	0.0	0.0	0.0	0.0
70°	475.7	382.7	143.1	51.9	16.1	5.4	0.0	0.0	0.0	0.0	0.0
72.5°	302.2	252.2	85.8	30.4	10.7	3.6	0.0	0.0	0.0	0.0	0.0
75°	109.1	103.7	42.9	17.9	7.2	1.8	0.0	0.0	0.0	0.0	0.0
77.5°	35.8	32.2	17.9	8.9	3.6	1.8	0.0	0.0	0.0	0.0	0.0
80°	16.1	14.3	8.9	5.4	3.6	1.8	0.0	0.0	0.0	0.0	0.0
82.5°	8.9	8.9	5.4	3.6	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)