

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: P394725

Luminaire Tested: **303-B1-LEDB2-3000-UNV-T4-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394725
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-LEDB2-3000-UNV-T4-DIM10
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, TWO LIGHTBAR, TYPE 4
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1200.4 lumens
Efficiency: N/A
Efficacy: 77.4 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

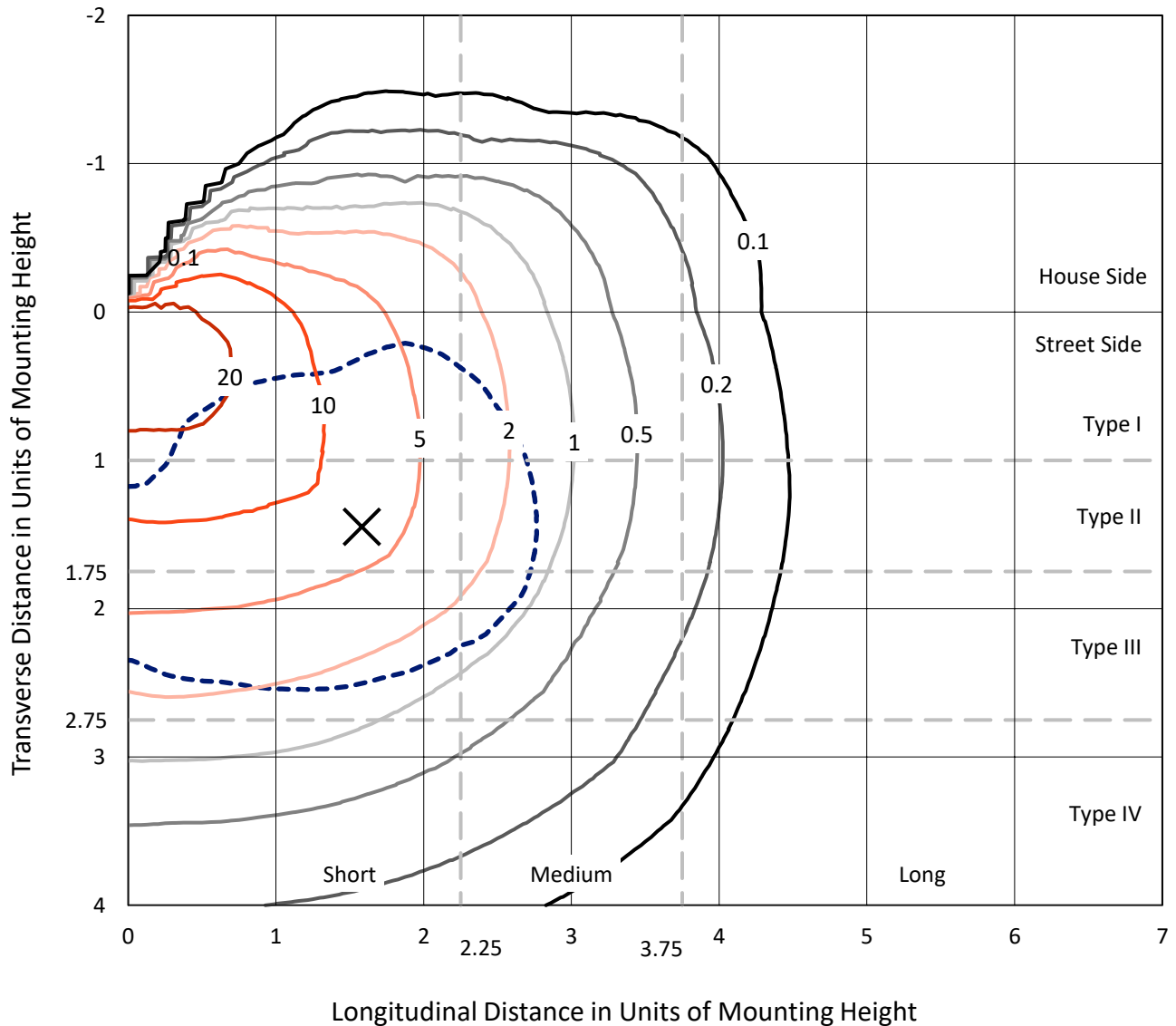
Input Watts (W): 15.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

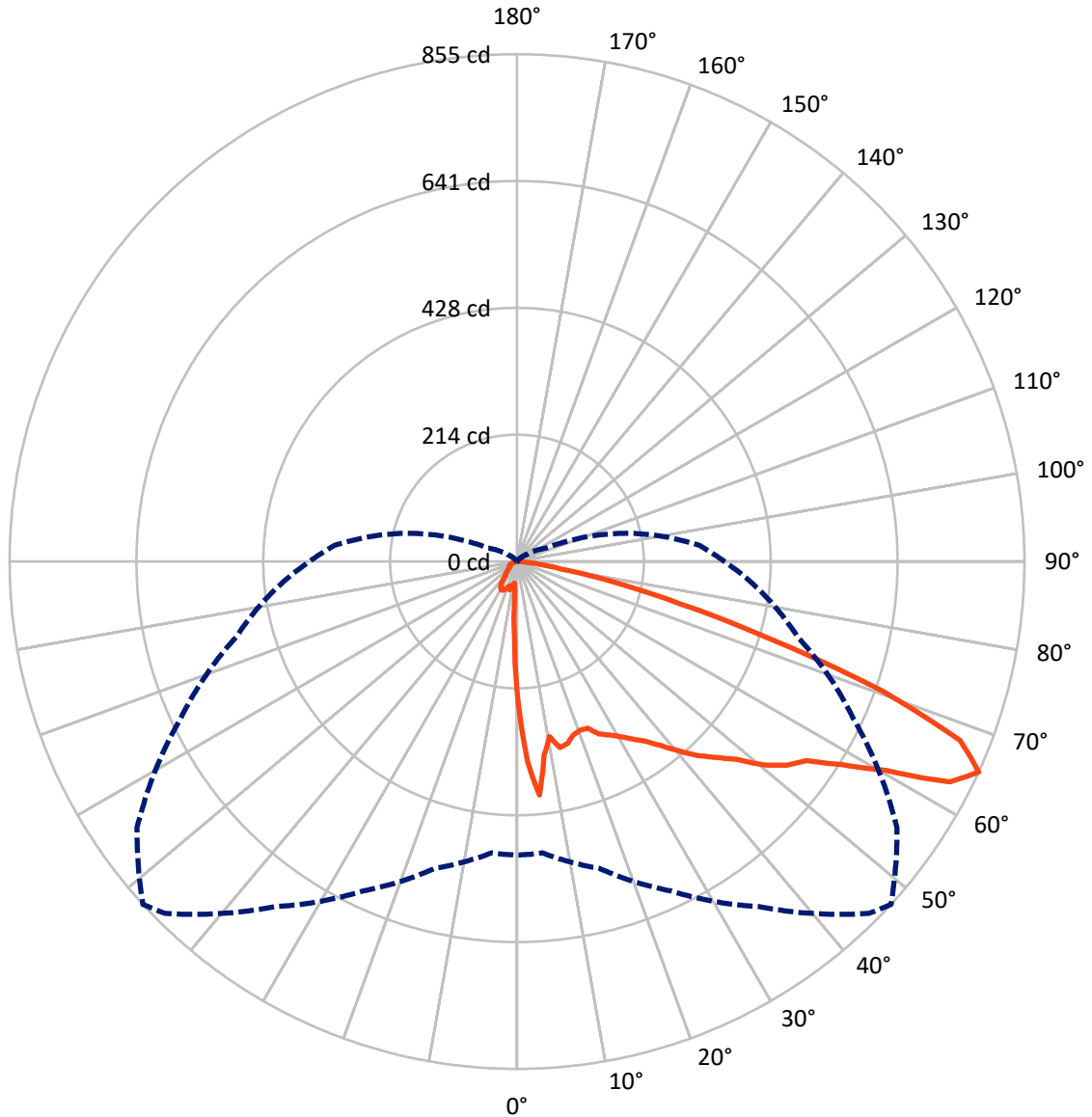
✕ Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 36.2 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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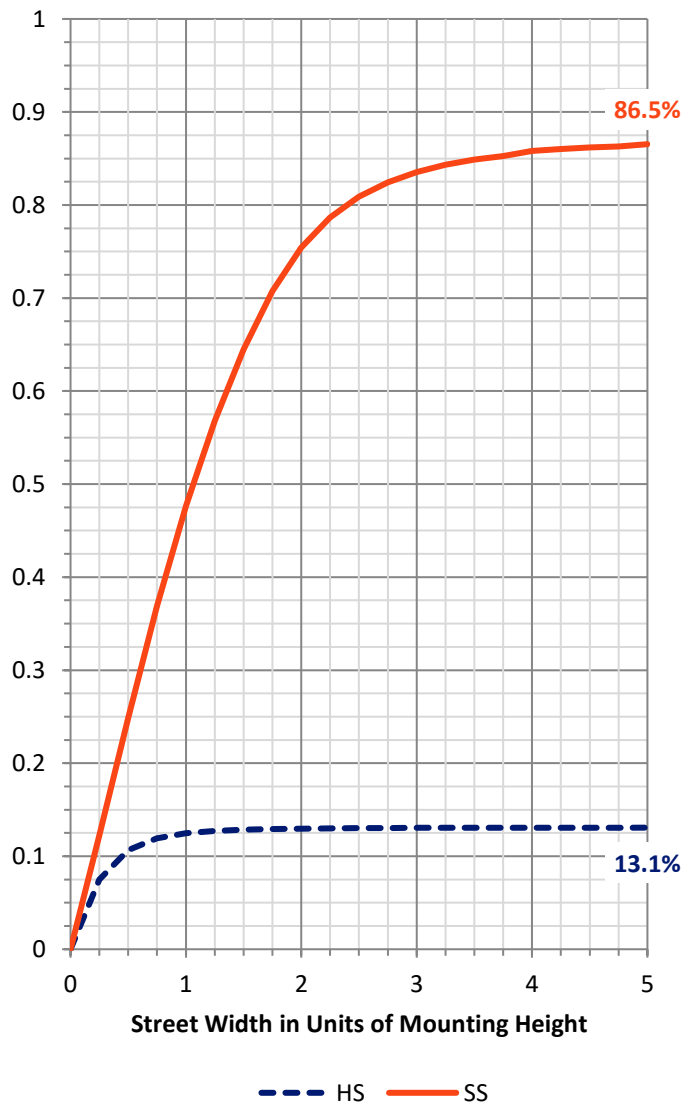
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	158.3	0.0	158.3
	% Fixture	13.2	0.0	13.2
Street Side	Lumens	1042.1	0.0	1042.1
	% Fixture	86.8	0.0	86.8
Total	Lumens	1200.4	0.0	1200.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.5	1.6
10°-20°	52.4	4.4
20°-30°	88.4	7.4
30°-40°	136.3	11.4
40°-50°	186.6	15.5
50°-60°	253.1	21.1
60°-70°	315.6	26.3
70°-80°	137.1	11.4
80°-90°	11.4	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°	1200.4	100.0
0°-180°	1200.4	100.0

Coefficient of Utilization



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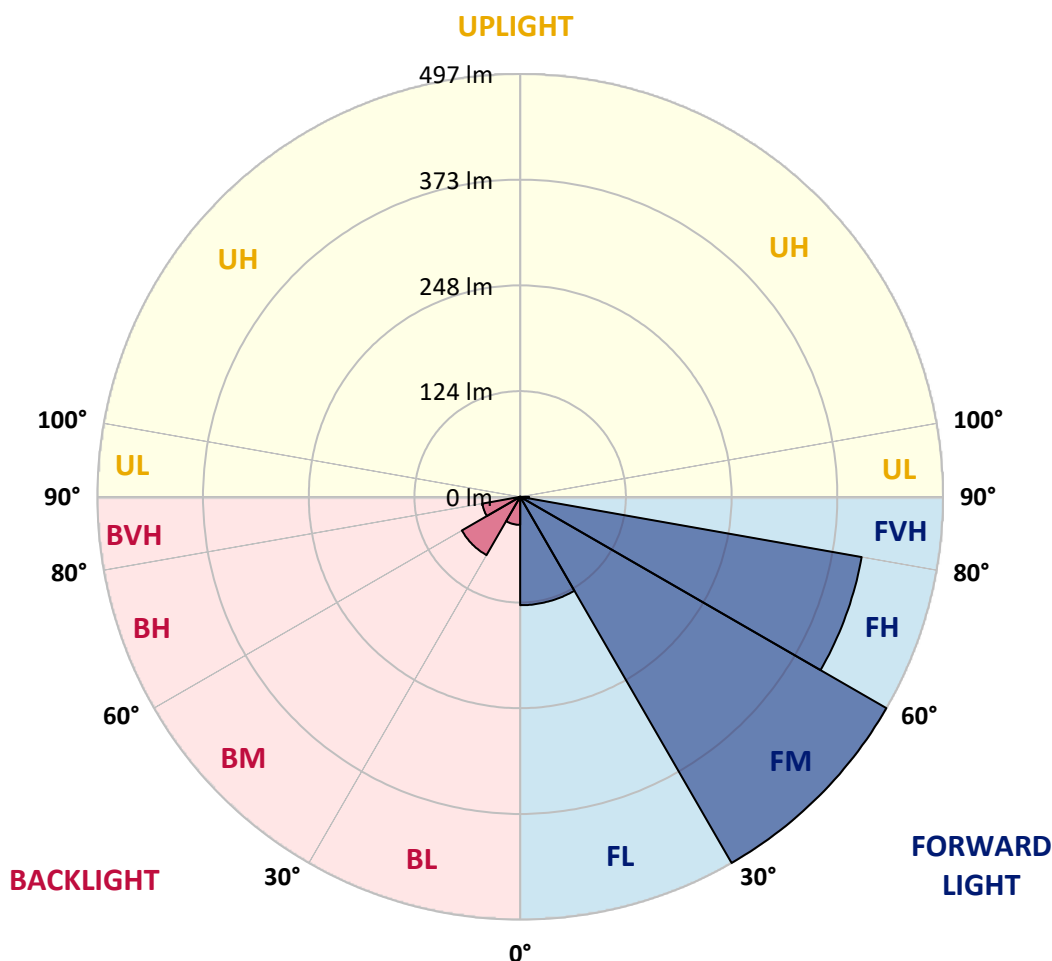
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	127.4	10.6			
FM (30°-60°)	496.8	41.4			
FH (60°-80°)	407.4	33.9			G0/660
FVH (80°-90°)	10.5	0.9			G1/100
BL (0°-30°)	33.0	2.7	B0/110		
BM (30°-60°)	79.2	6.6	B0/220		
BH (60°-80°)	45.2	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°	237.3	237.3	237.3	237.3	237.3	237.3	237.3	237.3	237.3	237.3	237.3
2.5°	373.4	367.9	367.9	355.0	351.3	340.3	336.6	327.4	279.6	244.6	237.3
5°	347.6	351.3	362.4	371.6	397.3	395.5	395.5	362.4	321.9	298.0	242.8
7.5°	331.1	329.3	318.2	312.7	312.7	325.6	329.3	351.3	321.9	290.6	246.5
10°	336.6	334.8	334.8	336.6	331.1	305.3	299.8	292.5	312.7	281.4	241.0
12.5°	307.2	301.7	309.0	314.5	331.1	316.4	321.9	294.3	277.8	281.4	242.8
15°	303.5	301.7	299.8	299.8	305.3	314.5	318.2	309.0	263.0	277.8	241.0
17.5°	314.5	310.9	307.2	301.7	299.8	301.7	307.2	303.5	274.1	266.7	239.1
20°	323.7	316.4	312.7	310.9	307.2	294.3	303.5	299.8	283.3	252.0	241.0
22.5°	323.7	318.2	320.1	316.4	321.9	309.0	305.3	299.8	290.6	253.8	242.8
25°	327.4	323.7	321.9	323.7	323.7	316.4	321.9	305.3	296.1	261.2	242.8
27.5°	331.1	325.6	329.3	331.1	334.8	323.7	331.1	318.2	301.7	277.8	257.5
30°	338.5	334.8	340.3	342.1	340.3	332.9	342.1	329.3	316.4	292.5	263.0
32.5°	351.3	344.0	358.7	358.7	353.2	349.5	356.8	342.1	332.9	307.2	277.8
35°	366.0	364.2	369.7	378.9	380.8	364.2	371.6	362.4	349.5	327.4	296.1
37.5°	377.1	371.6	380.8	395.5	401.0	388.1	393.6	378.9	362.4	344.0	305.3
40°	382.6	378.9	395.5	417.5	426.7	415.7	419.4	402.8	377.1	345.8	312.7
42.5°	384.4	380.8	406.5	428.6	448.8	439.6	447.0	426.7	393.6	353.2	312.7
45°	391.8	395.5	413.9	437.8	467.2	467.2	470.9	447.0	408.4	362.4	318.2
47.5°	410.2	408.4	424.9	452.5	491.1	494.8	498.5	465.4	424.9	369.7	323.7
50°	415.7	421.2	443.3	467.2	505.8	524.2	538.9	498.5	445.1	382.6	334.8
52.5°	445.1	437.8	459.9	487.4	529.8	553.7	570.2	526.1	463.5	391.8	345.8
55°	454.3	474.6	489.3	518.7	562.9	590.5	592.3	555.5	485.6	408.4	360.5
57.5°	509.5	505.8	526.1	555.5	586.8	634.6	645.6	596.0	524.2	437.8	377.1
60°	540.8	535.3	570.2	610.7	658.5	713.7	715.5	653.0	566.5	469.1	397.3
62.5°	546.3	546.3	577.6	634.6	724.7	807.5	818.5	735.8	623.6	498.5	410.2
65°	494.8	493.0	535.3	612.5	710.0	838.8	855.3	781.8	625.4	489.3	395.5
67.5°	397.3	424.9	459.9	522.4	623.6	774.4	805.7	741.3	594.1	459.9	360.5
70°	342.1	367.9	384.4	434.1	502.2	614.4	653.0	634.6	505.8	393.6	303.5
72.5°	266.7	259.4	294.3	340.3	375.2	423.1	445.1	461.7	386.3	309.0	229.9
75°	163.7	165.5	182.1	215.2	253.8	275.9	283.3	264.9	250.2	198.7	150.8
77.5°	86.5	88.3	99.3	115.9	136.1	161.9	167.4	147.2	126.9	103.0	73.6
80°	51.5	51.5	57.0	62.5	73.6	73.6	73.6	73.6	55.2	49.7	27.6
82.5°	23.9	27.6	29.4	31.3	36.8	40.5	40.5	31.3	25.8	20.2	11.0
85°	14.7	14.7	14.7	14.7	14.7	16.6	16.6	12.9	11.0	9.2	3.7
87.5°	11.0	11.0	11.0	11.0	9.2	9.2	7.4	7.4	5.5	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°	237.3	237.3	237.3	237.3	237.3	237.3	237.3	237.3	237.3	237.3	237.3
2.5°	235.4	235.4	233.6	229.9	141.6	125.1	104.8	93.8	90.1	84.6	88.3
5°	241.0	239.1	206.0	145.3	82.8	36.8	14.7	1.8	0.0	0.0	0.0
7.5°	241.0	241.0	195.0	132.4	75.4	23.9	5.5	0.0	0.0	0.0	0.0
10°	242.8	239.1	195.0	132.4	66.2	29.4	3.7	0.0	0.0	0.0	0.0
12.5°	242.8	239.1	193.1	134.3	79.1	34.9	3.7	0.0	0.0	0.0	0.0
15°	242.8	241.0	195.0	136.1	86.5	36.8	1.8	0.0	0.0	0.0	0.0
17.5°	237.3	237.3	195.0	139.8	88.3	27.6	1.8	0.0	0.0	0.0	0.0
20°	239.1	235.4	176.6	139.8	82.8	33.1	1.8	0.0	0.0	0.0	0.0
22.5°	235.4	231.8	174.7	141.6	79.1	38.6	1.8	0.0	0.0	0.0	0.0
25°	237.3	231.8	180.3	143.5	93.8	38.6	1.8	0.0	0.0	0.0	0.0
27.5°	242.8	239.1	193.1	141.6	101.2	38.6	1.8	0.0	0.0	0.0	0.0
30°	252.0	244.6	193.1	134.3	101.2	38.6	1.8	0.0	0.0	0.0	0.0
32.5°	264.9	253.8	198.7	145.3	97.5	36.8	1.8	0.0	0.0	0.0	0.0
35°	277.8	259.4	195.0	138.0	90.1	33.1	1.8	0.0	0.0	0.0	0.0
37.5°	283.3	263.0	191.3	130.6	80.9	27.6	1.8	0.0	0.0	0.0	0.0
40°	286.9	264.9	187.6	117.7	69.9	18.4	1.8	0.0	0.0	0.0	0.0
42.5°	288.8	263.0	178.4	104.8	58.9	18.4	1.8	0.0	0.0	0.0	0.0
45°	292.5	266.7	167.4	93.8	47.8	18.4	1.8	0.0	0.0	0.0	0.0
47.5°	299.8	264.9	161.9	80.9	38.6	14.7	1.8	0.0	0.0	0.0	0.0
50°	309.0	266.7	160.0	71.7	33.1	12.9	1.8	0.0	0.0	0.0	0.0
52.5°	320.1	274.1	161.9	66.2	29.4	11.0	1.8	0.0	0.0	0.0	0.0
55°	327.4	288.8	163.7	62.5	27.6	11.0	1.8	0.0	0.0	0.0	0.0
57.5°	344.0	299.8	172.9	60.7	25.8	9.2	0.0	0.0	0.0	0.0	0.0
60°	362.4	314.5	182.1	58.9	25.8	11.0	0.0	0.0	0.0	0.0	0.0
62.5°	364.2	325.6	183.9	58.9	23.9	11.0	0.0	0.0	0.0	0.0	0.0
65°	349.5	309.0	183.9	53.3	22.1	9.2	0.0	0.0	0.0	0.0	0.0
67.5°	310.9	277.8	165.5	47.8	18.4	9.2	1.8	0.0	0.0	0.0	0.0
70°	257.5	228.1	143.5	40.5	16.6	7.4	1.8	0.0	0.0	0.0	0.0
72.5°	195.0	176.6	115.9	31.3	12.9	5.5	1.8	0.0	0.0	0.0	0.0
75°	123.2	114.0	82.8	22.1	11.0	3.7	1.8	0.0	0.0	0.0	0.0
77.5°	60.7	64.4	46.0	16.6	7.4	3.7	0.0	0.0	0.0	0.0	0.0
80°	18.4	20.2	20.2	9.2	5.5	1.8	0.0	0.0	0.0	0.0	0.0
82.5°	9.2	9.2	7.4	5.5	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)