

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: P394745

Luminaire Tested: **303-B1-LEDB1-4000-UNV-T5X-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394745
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-3)
Test Lab: INNOVATION CENTER
Issue Date: 4/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 303-B1-LEDB1-4000-UNV-T5X-DIM10
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, ONE LIGHTBAR, TYPE 5
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 612.9 lumens
Efficiency: N/A
Efficacy: 73.0 lumens/watt
Luminous Opening: Rectangular (W 0.38' x L: 0.21' x H: 0')
IES Classification: Type I - Short
BUG Rating: B0 - U0 - G0

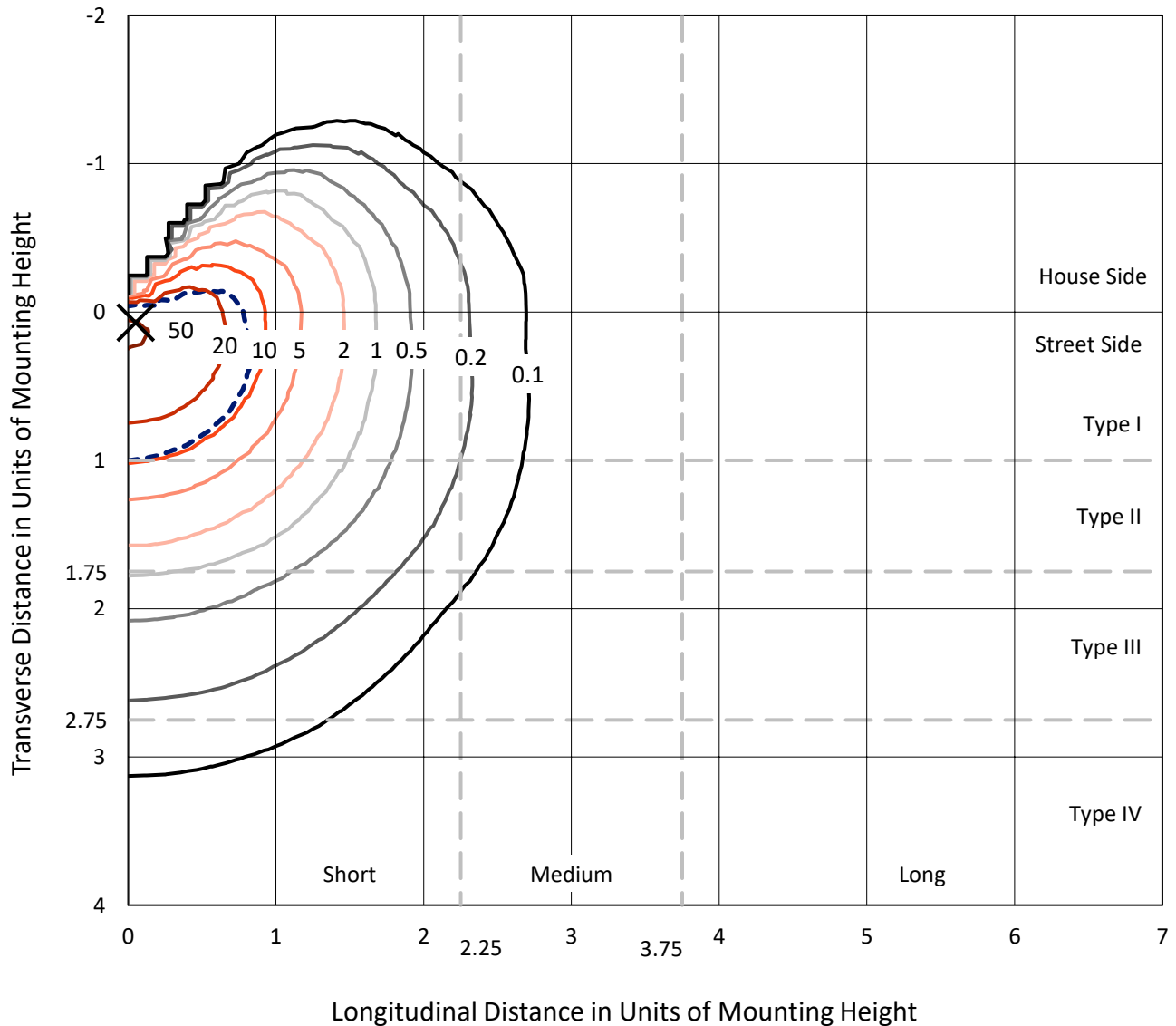
Input Watts (W): 8.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

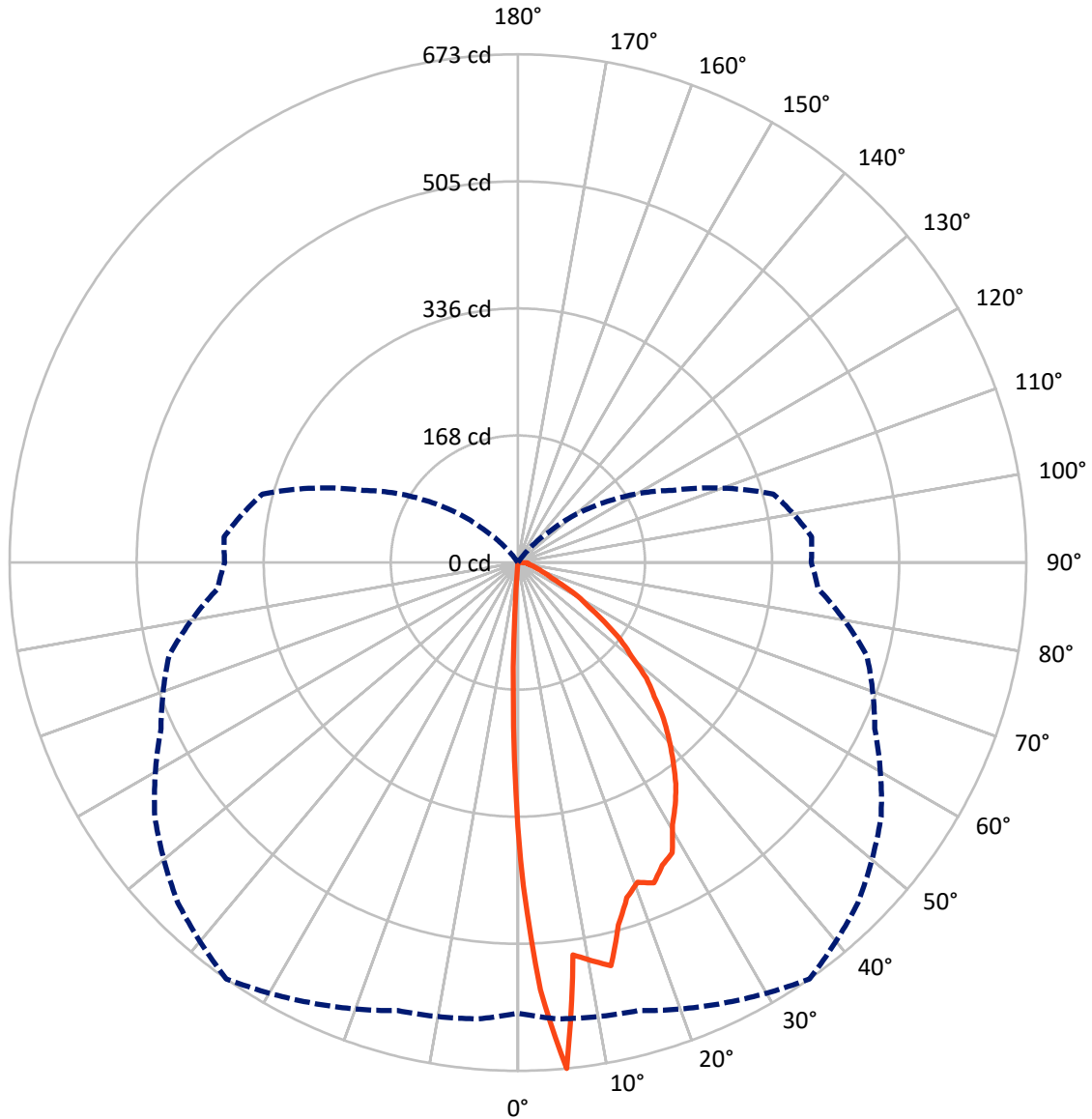
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 57.8 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 5-Deg Vertical

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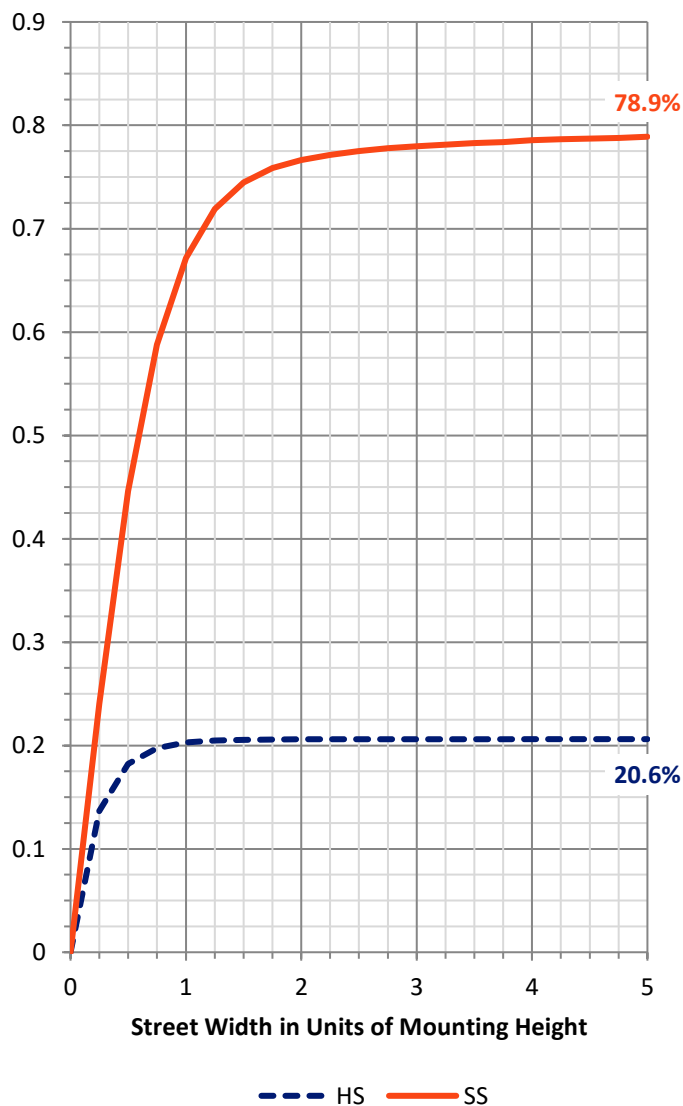
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	127.7	0.0	127.7
	% Fixture	20.8	0.0	20.8
Street Side	Lumens	485.2	0.0	485.2
	% Fixture	79.2	0.0	79.2
Total	Lumens	612.9	0.0	612.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.1	5.2
10°-20°	83.0	13.5
20°-30°	120.6	19.7
30°-40°	136.0	22.2
40°-50°	119.7	19.5
50°-60°	74.4	12.1
60°-70°	30.1	4.9
70°-80°	12.3	2.0
80°-90°	4.8	0.8
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°	612.9	100.0
0°-180°	612.9	100.0

Coefficient of Utilization



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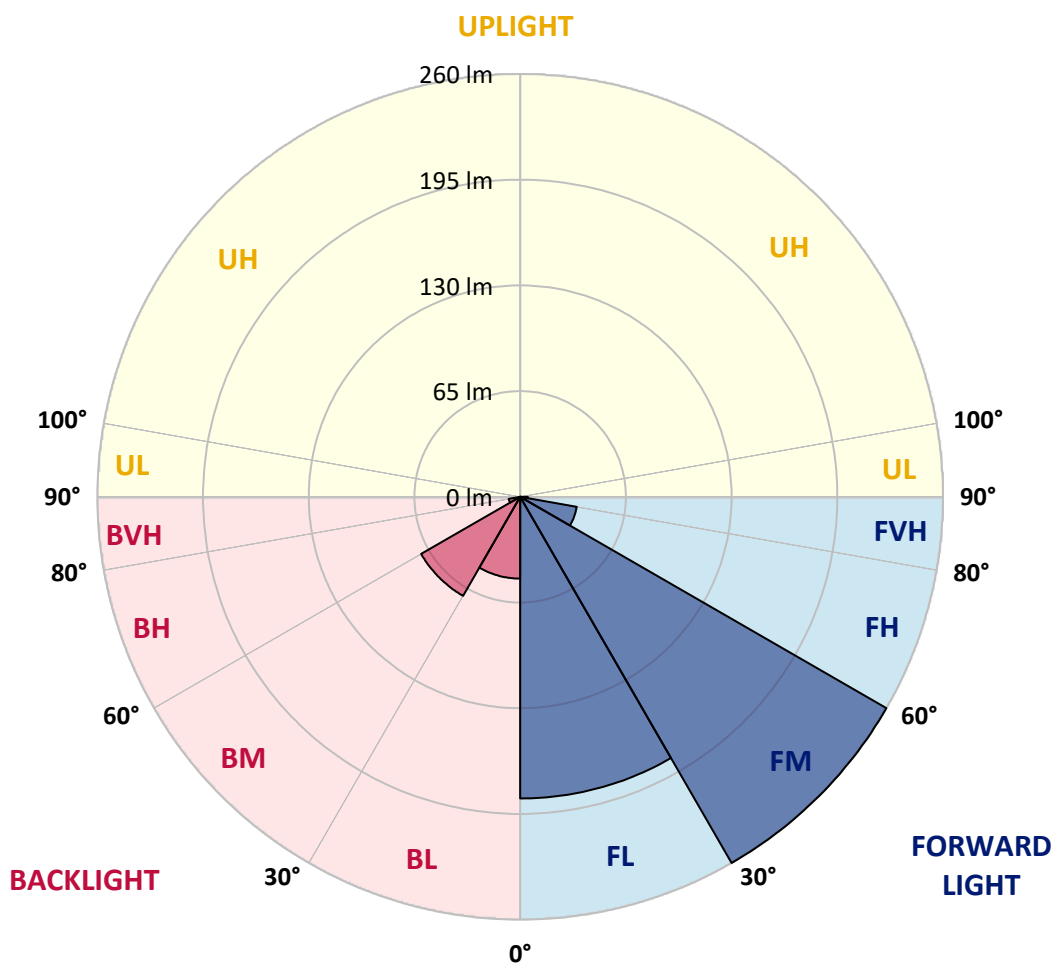
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	185.4	30.2			
FM (30°-60°)	259.8	42.4			
FH (60°-80°)	35.3	5.8			G0/660
FVH (80°-90°)	4.7	0.8			G0/10
BL (0°-30°)	50.3	8.2	B0/110		
BM (30°-60°)	70.3	11.5	B0/220		
BH (60°-80°)	7.1	1.2	B0/110		G0/110
BVH (80°-90°)	0.1	0.0			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 I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	394.2	394.2	394.2	394.2	394.2	394.2	394.2	394.2	394.2	394.2	394.2
2.5°	606.4	592.7	575.1	576.1	566.3	565.3	555.6	437.2	400.0	393.2	393.2
5°	596.6	606.4	614.2	643.6	672.9	636.7	586.9	521.3	478.3	399.1	388.3
7.5°	521.3	512.5	519.4	520.4	524.3	541.9	582.0	513.5	460.7	397.1	385.4
10°	576.1	570.2	580.0	569.3	536.0	478.3	466.6	512.5	442.1	384.4	382.4
12.5°	505.7	501.8	515.5	544.8	547.7	526.2	455.8	451.9	436.2	374.6	376.6
15°	483.2	481.2	483.2	475.4	497.9	516.4	482.2	408.8	426.5	377.5	375.6
17.5°	477.3	477.3	467.5	463.6	466.6	469.5	474.4	409.8	412.8	374.6	365.8
20°	481.2	475.4	469.5	471.4	451.9	452.9	456.8	437.2	383.4	362.9	357.0
22.5°	455.8	450.9	462.6	461.7	460.7	436.2	424.5	423.5	366.8	357.0	353.1
25°	442.1	440.1	437.2	438.2	444.1	436.2	412.8	413.7	352.1	336.5	343.3
27.5°	424.5	420.6	421.6	421.6	435.3	418.6	395.2	389.3	344.3	325.7	327.7
30°	406.9	407.9	406.9	405.9	403.0	394.2	385.4	374.6	347.2	321.8	314.9
32.5°	385.4	379.5	386.4	380.5	382.4	374.6	364.8	359.9	331.6	308.1	300.3
35°	365.8	362.9	364.8	363.9	359.9	352.1	339.4	332.6	313.0	291.5	288.5
37.5°	345.3	339.4	344.3	346.2	333.5	329.6	320.8	312.0	290.5	270.0	270.0
40°	318.9	320.8	315.9	316.9	308.1	304.2	296.4	285.6	270.9	252.4	248.4
42.5°	297.3	290.5	286.6	288.5	282.7	280.7	273.9	267.0	245.5	229.9	227.9
45°	267.0	264.1	264.1	259.2	253.3	253.3	242.6	237.7	224.0	209.3	209.3
47.5°	236.7	235.7	229.9	229.9	228.9	226.9	217.1	207.4	198.6	180.9	182.9
50°	209.3	208.3	205.4	206.4	194.6	193.7	187.8	178.0	167.3	158.5	157.5
52.5°	177.0	175.1	175.1	170.2	170.2	167.3	158.5	152.6	142.8	134.0	134.0
55°	143.8	144.8	143.8	139.9	138.9	136.9	129.1	123.2	116.4	105.6	102.7
57.5°	117.4	121.3	115.4	112.5	111.5	109.5	106.6	99.8	90.0	81.2	79.2
60°	80.2	80.2	81.2	88.0	91.9	86.1	83.1	75.3	68.5	60.6	58.7
62.5°	63.6	63.6	63.6	61.6	67.5	65.5	63.6	58.7	51.8	45.0	43.0
65°	51.8	51.8	50.9	49.9	48.9	50.9	48.9	43.0	39.1	34.2	33.3
67.5°	44.0	43.0	44.0	42.1	40.1	39.1	38.1	35.2	31.3	26.4	25.4
70°	37.2	37.2	36.2	34.2	32.3	29.3	30.3	27.4	24.5	20.5	20.5
72.5°	31.3	31.3	30.3	29.3	26.4	24.5	22.5	22.5	18.6	15.6	14.7
75°	26.4	26.4	25.4	24.5	22.5	20.5	17.6	15.6	13.7	10.8	9.8
77.5°	23.5	22.5	22.5	20.5	18.6	16.6	13.7	11.7	9.8	6.8	6.8
80°	19.6	19.6	19.6	17.6	15.6	13.7	11.7	8.8	6.8	3.9	2.9
82.5°	17.6	16.6	16.6	15.6	13.7	11.7	8.8	5.9	3.9	2.0	1.0
85°	15.6	15.6	14.7	13.7	12.7	9.8	7.8	4.9	2.0	0.0	0.0
87.5°	14.7	14.7	13.7	12.7	11.7	9.8	6.8	4.9	2.0	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



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	394.2	394.2	394.2	394.2	394.2	394.2	394.2	394.2	394.2	394.2
2.5°	392.2	394.2	389.3	249.4	179.0	173.1	174.1	173.1	166.3	162.4
5°	390.3	350.2	225.9	137.9	55.8	0.0	0.0	0.0	0.0	0.0
7.5°	387.3	334.5	225.0	134.0	56.7	0.0	0.0	0.0	0.0	0.0
10°	378.5	329.6	222.0	143.8	55.8	0.0	0.0	0.0	0.0	0.0
12.5°	378.5	326.7	217.1	149.6	54.8	0.0	0.0	0.0	0.0	0.0
15°	374.6	321.8	216.2	150.6	54.8	0.0	0.0	0.0	0.0	0.0
17.5°	365.8	318.9	212.2	147.7	53.8	0.0	0.0	0.0	0.0	0.0
20°	354.1	308.1	207.4	145.7	52.8	0.0	0.0	0.0	0.0	0.0
22.5°	349.2	291.5	202.5	137.9	50.9	0.0	0.0	0.0	0.0	0.0
25°	335.5	283.6	196.6	134.0	48.9	0.0	0.0	0.0	0.0	0.0
27.5°	327.7	271.9	189.8	127.2	46.9	0.0	0.0	0.0	0.0	0.0
30°	307.1	270.0	180.0	127.2	45.0	0.0	0.0	0.0	0.0	0.0
32.5°	300.3	260.2	174.1	121.3	42.1	0.0	0.0	0.0	0.0	0.0
35°	280.7	248.4	165.3	114.4	40.1	0.0	0.0	0.0	0.0	0.0
37.5°	268.0	230.8	152.6	106.6	36.2	0.0	0.0	0.0	0.0	0.0
40°	249.4	214.2	142.8	96.8	18.6	0.0	0.0	0.0	0.0	0.0
42.5°	225.0	193.7	131.1	90.0	31.3	0.0	0.0	0.0	0.0	0.0
45°	206.4	176.1	118.4	75.3	28.4	0.0	0.0	0.0	0.0	0.0
47.5°	180.0	154.5	101.7	71.4	24.5	0.0	0.0	0.0	0.0	0.0
50°	155.5	132.0	87.1	61.6	21.5	0.0	0.0	0.0	0.0	0.0
52.5°	129.1	111.5	72.4	51.8	17.6	0.0	0.0	0.0	0.0	0.0
55°	101.7	87.1	59.7	42.1	13.7	0.0	0.0	0.0	0.0	0.0
57.5°	78.2	69.4	46.9	32.3	10.8	0.0	0.0	0.0	0.0	0.0
60°	59.7	49.9	36.2	21.5	7.8	0.0	0.0	0.0	0.0	0.0
62.5°	43.0	36.2	25.4	16.6	5.9	0.0	0.0	0.0	0.0	0.0
65°	33.3	27.4	17.6	11.7	3.9	0.0	0.0	0.0	0.0	0.0
67.5°	25.4	20.5	13.7	7.8	2.0	0.0	0.0	0.0	0.0	0.0
70°	20.5	15.6	9.8	4.9	2.0	0.0	0.0	0.0	0.0	0.0
72.5°	14.7	11.7	7.8	3.9	1.0	0.0	0.0	0.0	0.0	0.0
75°	9.8	7.8	4.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	5.9	4.9	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.9	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	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
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)