

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: P394743

Luminaire Tested: **303-B1-LEDB2-3000-UNV-T5X-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394743
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-LEDB2-3000-UNV-T5X-DIM10
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, TWO LIGHTBAR, TYPE 5
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1152.5 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 I - 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

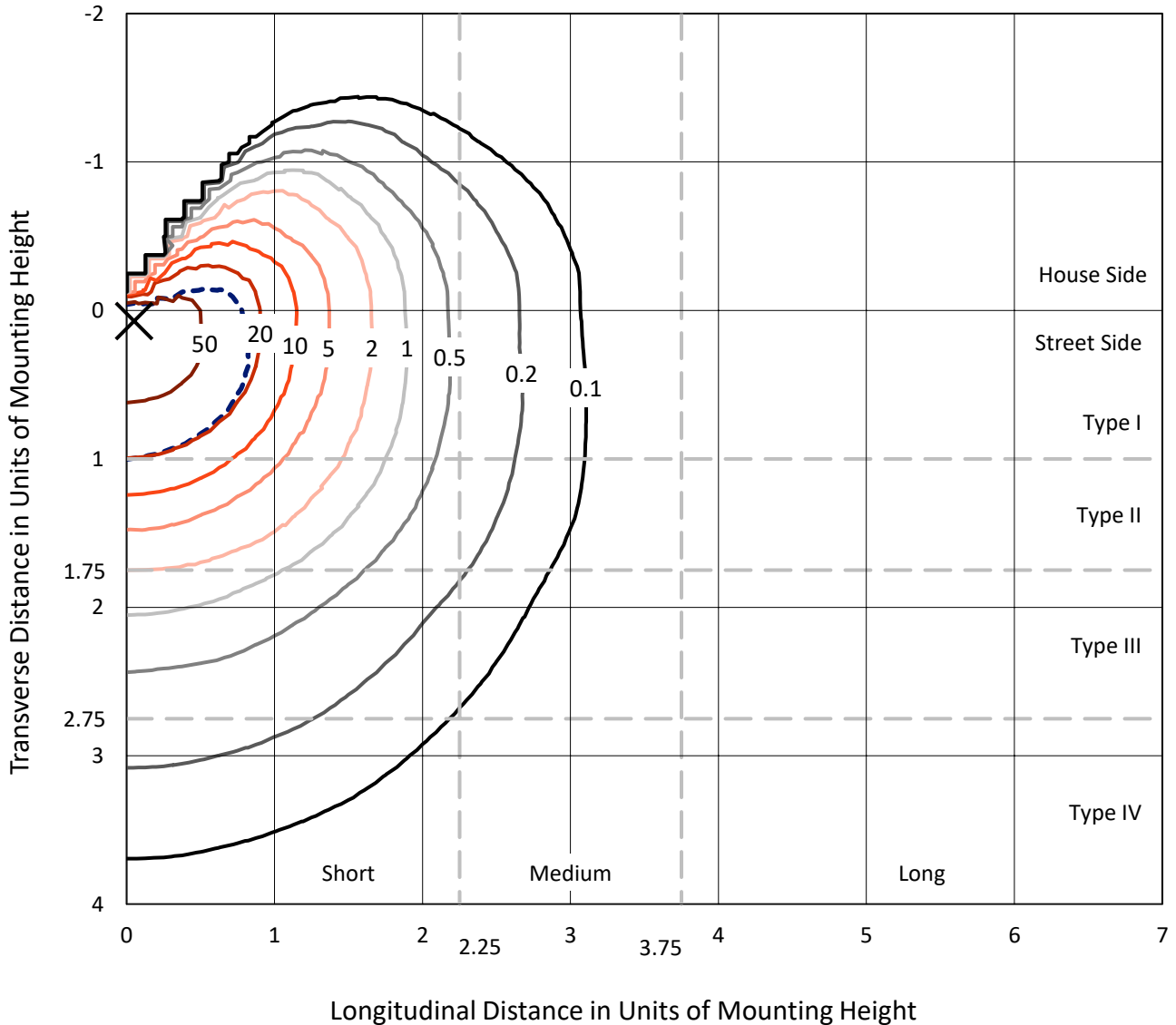


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Iso-Footcandle Lines of Horizontal Illumination

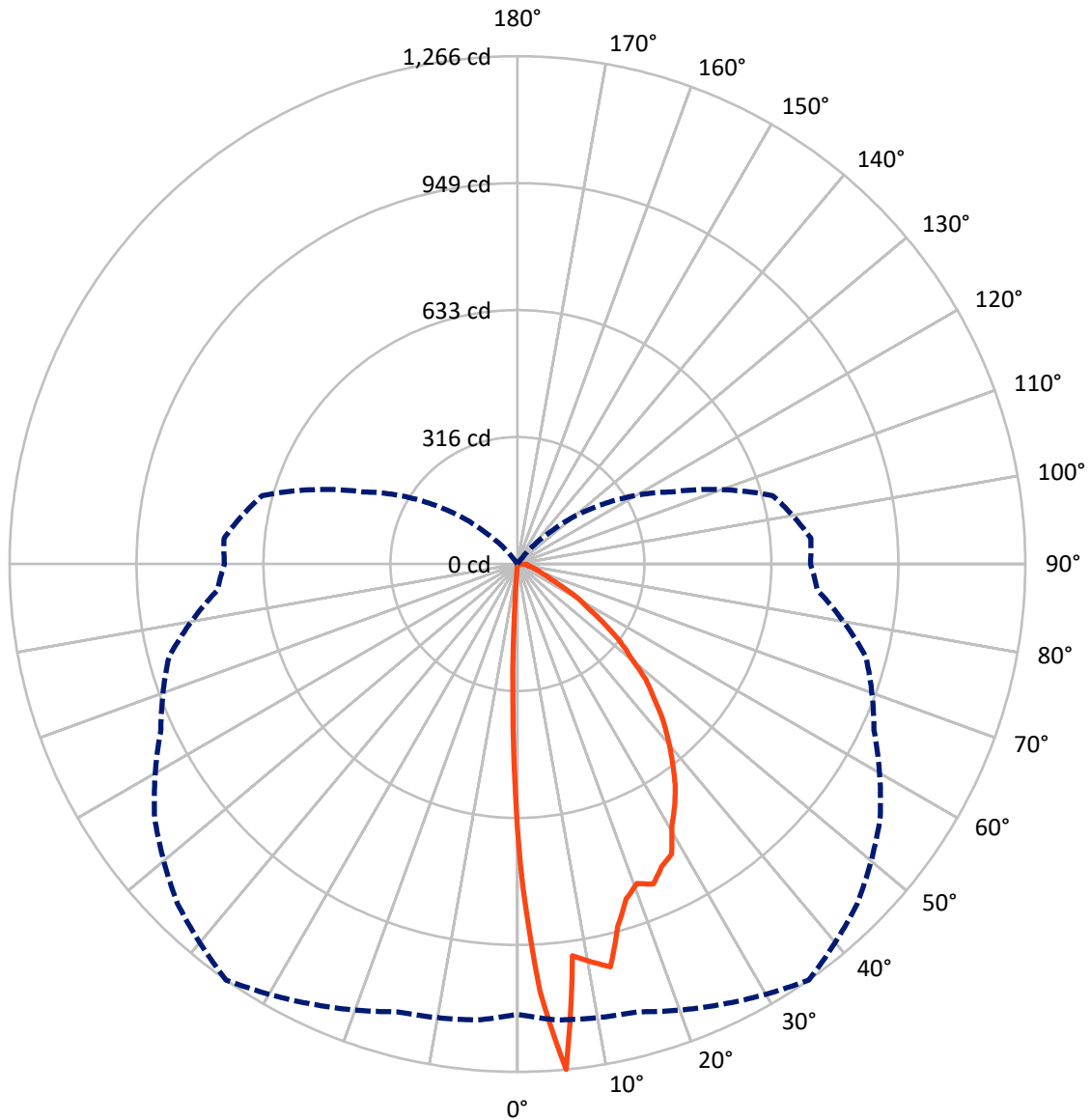
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 108.7 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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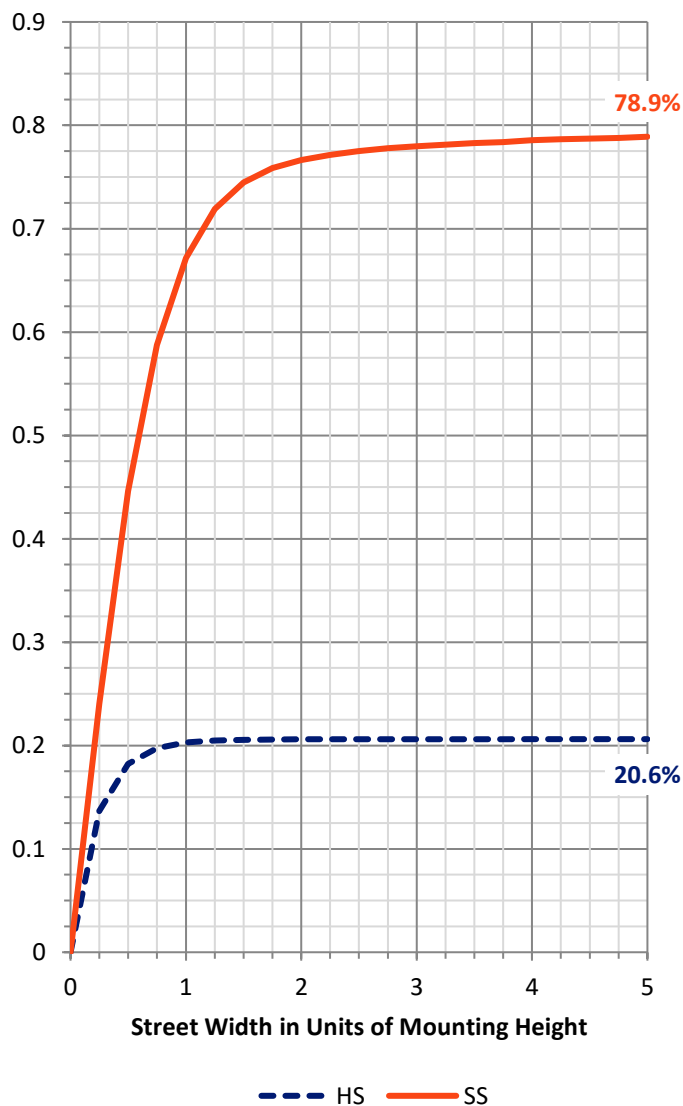
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	240.1	0.0	240.1
	% Fixture	20.8	0.0	20.8
Street Side	Lumens	912.5	0.0	912.5
	% Fixture	79.2	0.0	79.2
Total	Lumens	1152.5	0.0	1152.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.3	5.2
10°-20°	156.0	13.5
20°-30°	226.7	19.7
30°-40°	255.7	22.2
40°-50°	225.1	19.5
50°-60°	139.9	12.1
60°-70°	56.5	4.9
70°-80°	23.2	2.0
80°-90°	9.0	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°	1152.5	100.0
0°-180°	1152.5	100.0

Coefficient of Utilization



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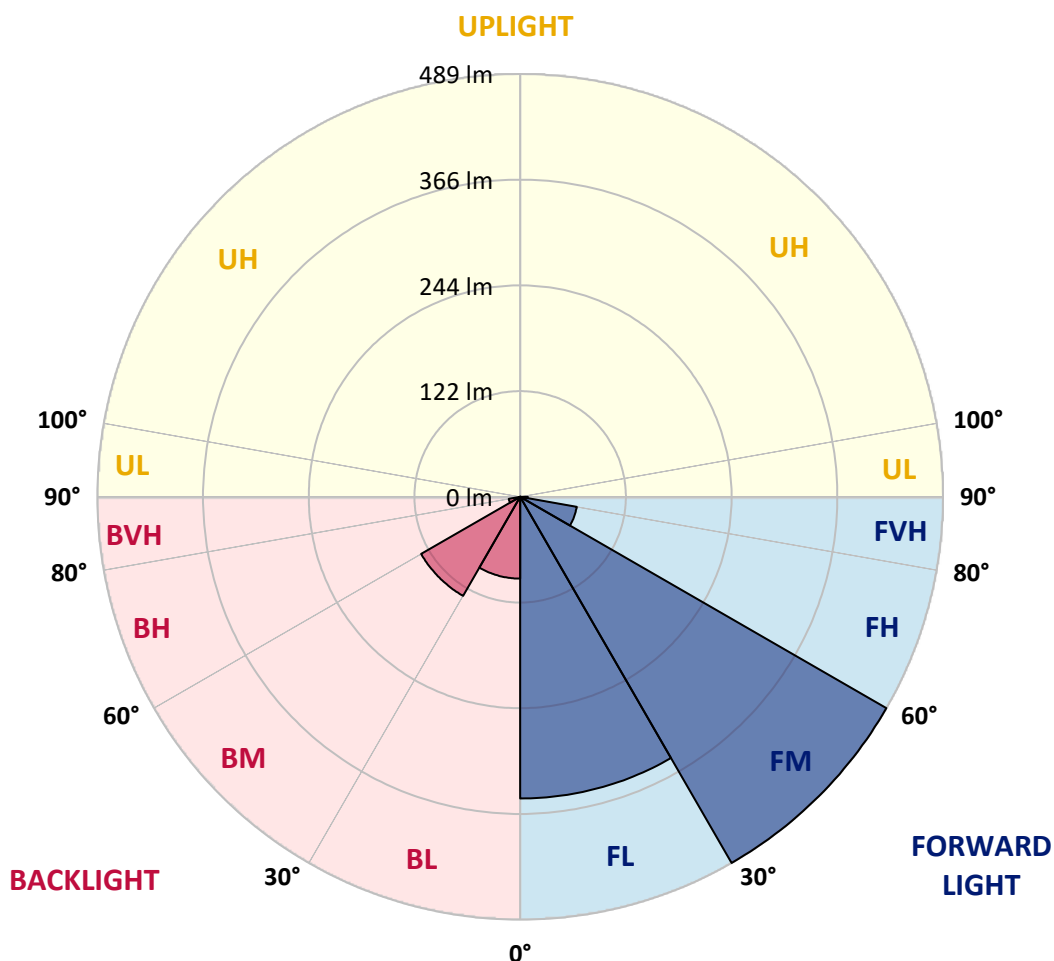
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	348.6	30.2			
FM (30°-60°)	488.6	42.4			
FH (60°-80°)	66.4	5.8			G0/660
FVH (80°-90°)	8.9	0.8			G0/10
BL (0°-30°)	94.5	8.2	B0/110		
BM (30°-60°)	132.1	11.5	B0/220		
BH (60°-80°)	13.3	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°	741.3	741.3	741.3	741.3	741.3	741.3	741.3	741.3	741.3	741.3	741.3
2.5°	1140.4	1114.7	1081.6	1083.4	1065.0	1063.2	1044.8	822.2	752.3	739.4	739.4
5°	1122.0	1140.4	1155.2	1210.3	1265.5	1197.5	1103.6	980.4	899.5	750.5	730.2
7.5°	980.4	963.9	976.7	978.6	985.9	1019.0	1094.5	965.7	866.4	746.8	724.7
10°	1083.4	1072.4	1090.8	1070.5	1008.0	899.5	877.4	963.9	831.4	722.9	719.2
12.5°	951.0	943.6	969.4	1024.6	1030.1	989.6	857.2	849.8	820.4	704.5	708.2
15°	908.7	905.0	908.7	894.0	936.3	971.2	906.8	768.9	802.0	710.0	706.3
17.5°	897.6	897.6	879.2	871.9	877.4	882.9	892.1	770.7	776.2	704.5	687.9
20°	905.0	894.0	882.9	886.6	849.8	851.6	859.0	822.2	721.1	682.4	671.4
22.5°	857.2	848.0	870.0	868.2	866.4	820.4	798.3	796.5	689.8	671.4	664.0
25°	831.4	827.7	822.2	824.1	835.1	820.4	776.2	778.1	662.2	632.8	645.6
27.5°	798.3	790.9	792.8	792.8	818.5	787.3	743.1	732.1	647.5	612.5	616.2
30°	765.2	767.0	765.2	763.4	757.8	741.3	724.7	704.5	653.0	605.2	592.3
32.5°	724.7	713.7	726.6	715.5	719.2	704.5	686.1	676.9	623.6	579.4	564.7
35°	687.9	682.4	686.1	684.3	676.9	662.2	638.3	625.4	588.6	548.1	542.6
37.5°	649.3	638.3	647.5	651.2	627.2	619.9	603.3	586.8	546.3	507.7	507.7
40°	599.6	603.3	594.1	596.0	579.4	572.1	557.3	537.1	509.5	474.6	467.2
42.5°	559.2	546.3	538.9	542.6	531.6	527.9	515.0	502.2	461.7	432.3	428.6
45°	502.2	496.6	496.6	487.4	476.4	476.4	456.2	447.0	421.2	393.6	393.6
47.5°	445.1	443.3	432.3	432.3	430.4	426.7	408.4	390.0	373.4	340.3	344.0
50°	393.6	391.8	386.3	388.1	366.0	364.2	353.2	334.8	314.5	298.0	296.1
52.5°	332.9	329.3	329.3	320.1	320.1	314.5	298.0	286.9	268.6	252.0	252.0
55°	270.4	272.2	270.4	263.0	261.2	257.5	242.8	231.8	218.9	198.7	193.1
57.5°	220.7	228.1	217.1	211.5	209.7	206.0	200.5	187.6	169.2	152.7	149.0
60°	150.8	150.8	152.7	165.5	172.9	161.9	156.4	141.6	128.8	114.0	110.4
62.5°	119.6	119.6	119.6	115.9	126.9	123.2	119.6	110.4	97.5	84.6	80.9
65°	97.5	97.5	95.6	93.8	92.0	95.6	92.0	80.9	73.6	64.4	62.5
67.5°	82.8	80.9	82.8	79.1	75.4	73.6	71.7	66.2	58.9	49.7	47.8
70°	69.9	69.9	68.1	64.4	60.7	55.2	57.0	51.5	46.0	38.6	38.6
72.5°	58.9	58.9	57.0	55.2	49.7	46.0	42.3	42.3	34.9	29.4	27.6
75°	49.7	49.7	47.8	46.0	42.3	38.6	33.1	29.4	25.8	20.2	18.4
77.5°	44.1	42.3	42.3	38.6	34.9	31.3	25.8	22.1	18.4	12.9	12.9
80°	36.8	36.8	36.8	33.1	29.4	25.8	22.1	16.6	12.9	7.4	5.5
82.5°	33.1	31.3	31.3	29.4	25.8	22.1	16.6	11.0	7.4	3.7	1.8
85°	29.4	29.4	27.6	25.8	23.9	18.4	14.7	9.2	3.7	0.0	0.0
87.5°	27.6	27.6	25.8	23.9	22.1	18.4	12.9	9.2	3.7	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°	741.3	741.3	741.3	741.3	741.3	741.3	741.3	741.3	741.3	741.3
2.5°	737.6	741.3	732.1	469.1	336.6	325.6	327.4	325.6	312.7	305.3
5°	733.9	658.5	424.9	259.4	104.8	0.0	0.0	0.0	0.0	0.0
7.5°	728.4	629.1	423.1	252.0	106.7	0.0	0.0	0.0	0.0	0.0
10°	711.9	619.9	417.5	270.4	104.8	0.0	0.0	0.0	0.0	0.0
12.5°	711.9	614.4	408.4	281.4	103.0	0.0	0.0	0.0	0.0	0.0
15°	704.5	605.2	406.5	283.3	103.0	0.0	0.0	0.0	0.0	0.0
17.5°	687.9	599.6	399.2	277.8	101.2	0.0	0.0	0.0	0.0	0.0
20°	665.9	579.4	390.0	274.1	99.3	0.0	0.0	0.0	0.0	0.0
22.5°	656.7	548.1	380.8	259.4	95.6	0.0	0.0	0.0	0.0	0.0
25°	630.9	533.4	369.7	252.0	92.0	0.0	0.0	0.0	0.0	0.0
27.5°	616.2	511.4	356.8	239.1	88.3	0.0	0.0	0.0	0.0	0.0
30°	577.6	507.7	338.5	239.1	84.6	0.0	0.0	0.0	0.0	0.0
32.5°	564.7	489.3	327.4	228.1	79.1	0.0	0.0	0.0	0.0	0.0
35°	527.9	467.2	310.9	215.2	75.4	0.0	0.0	0.0	0.0	0.0
37.5°	504.0	434.1	286.9	200.5	68.1	0.0	0.0	0.0	0.0	0.0
40°	469.1	402.8	268.6	182.1	34.9	0.0	0.0	0.0	0.0	0.0
42.5°	423.1	364.2	246.5	169.2	58.9	0.0	0.0	0.0	0.0	0.0
45°	388.1	331.1	222.6	141.6	53.3	0.0	0.0	0.0	0.0	0.0
47.5°	338.5	290.6	191.3	134.3	46.0	0.0	0.0	0.0	0.0	0.0
50°	292.5	248.3	163.7	115.9	40.5	0.0	0.0	0.0	0.0	0.0
52.5°	242.8	209.7	136.1	97.5	33.1	0.0	0.0	0.0	0.0	0.0
55°	191.3	163.7	112.2	79.1	25.8	0.0	0.0	0.0	0.0	0.0
57.5°	147.2	130.6	88.3	60.7	20.2	0.0	0.0	0.0	0.0	0.0
60°	112.2	93.8	68.1	40.5	14.7	0.0	0.0	0.0	0.0	0.0
62.5°	80.9	68.1	47.8	31.3	11.0	0.0	0.0	0.0	0.0	0.0
65°	62.5	51.5	33.1	22.1	7.4	0.0	0.0	0.0	0.0	0.0
67.5°	47.8	38.6	25.8	14.7	3.7	0.0	0.0	0.0	0.0	0.0
70°	38.6	29.4	18.4	9.2	3.7	0.0	0.0	0.0	0.0	0.0
72.5°	27.6	22.1	14.7	7.4	1.8	0.0	0.0	0.0	0.0	0.0
75°	18.4	14.7	9.2	3.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	11.0	9.2	3.7	1.8	0.0	0.0	0.0	0.0	0.0	0.0
80°	5.5	3.7	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.8	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)