

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: P394742

Luminaire Tested: **303-B1-LEDB1-3000-UNV-T5X-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394742
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-LEDB1-3000-UNV-T5X-DIM10
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, ONE LIGHTBAR, TYPE 5
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 576.3 lumens
Efficiency: N/A
Efficacy: 68.6 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

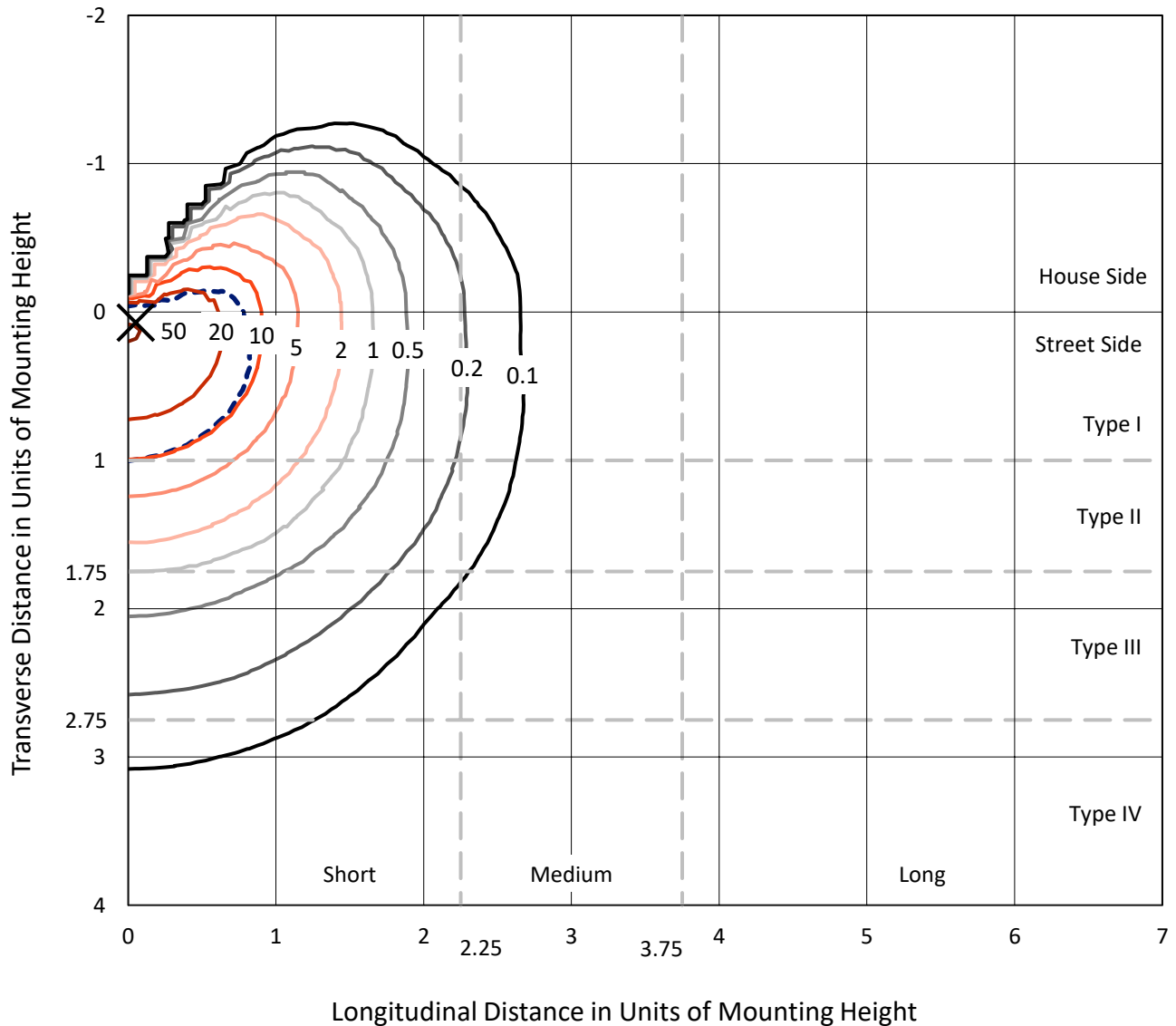
Input Watts (W): 8.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

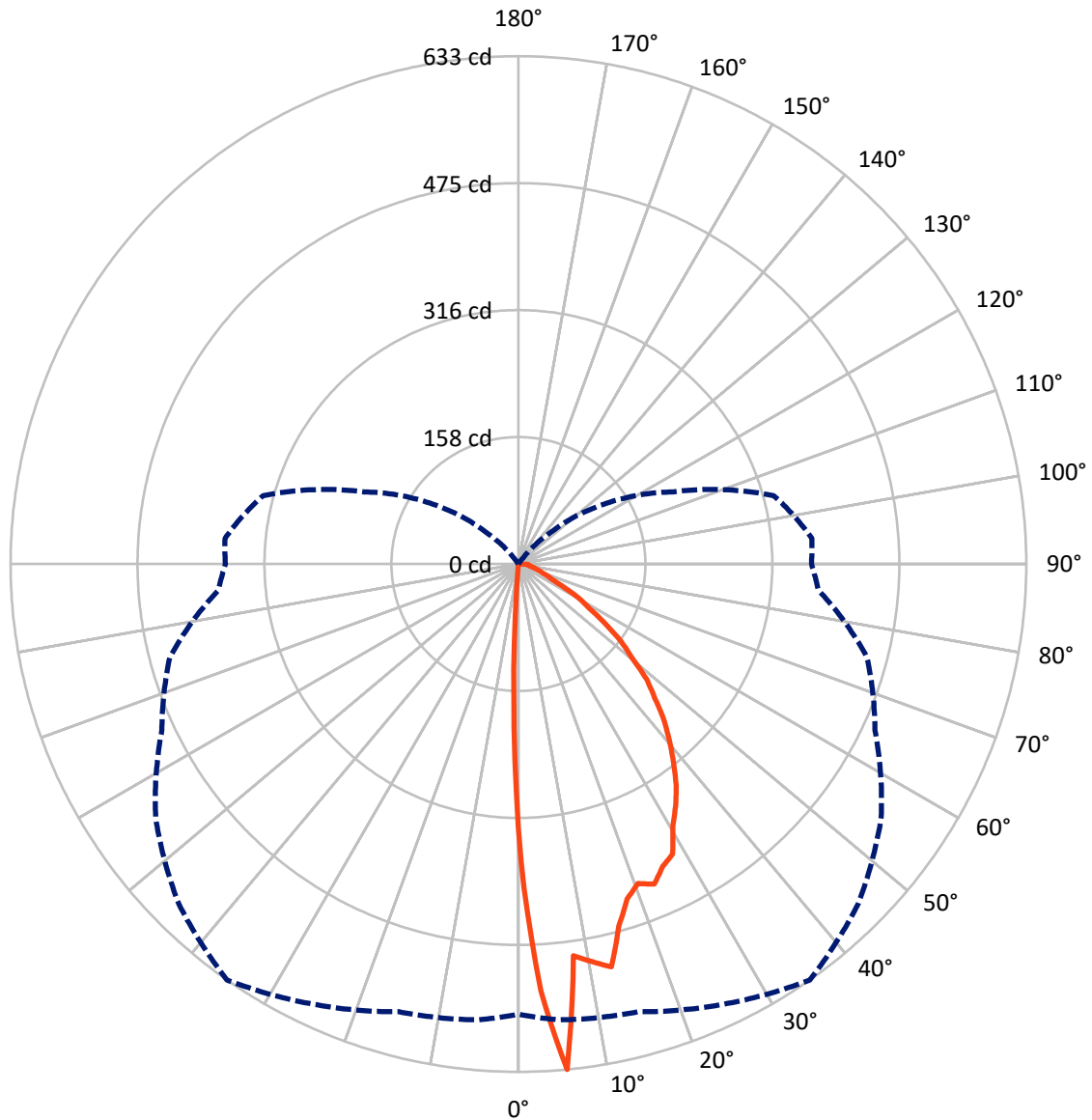
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 54.4 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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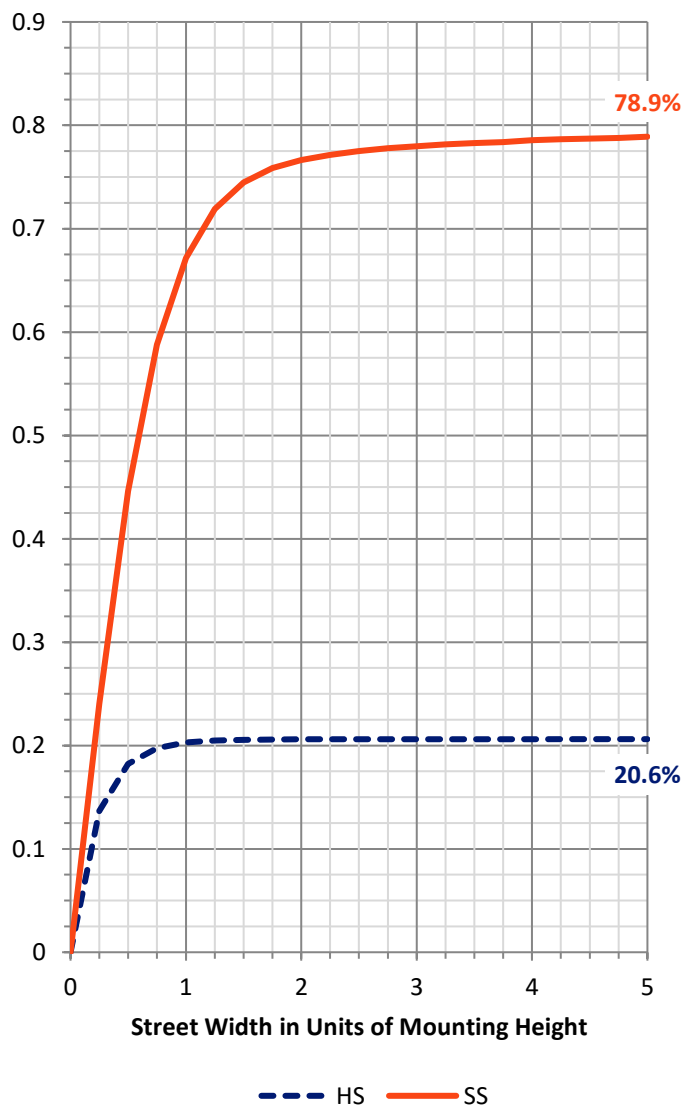
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	120.0	0.0	120.0
	% Fixture	20.8	0.0	20.8
Street Side	Lumens	456.2	0.0	456.2
	% Fixture	79.2	0.0	79.2
Total	Lumens	576.3	0.0	576.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.2	5.2
10°-20°	78.0	13.5
20°-30°	113.4	19.7
30°-40°	127.9	22.2
40°-50°	112.5	19.5
50°-60°	70.0	12.1
60°-70°	28.3	4.9
70°-80°	11.6	2.0
80°-90°	4.5	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°	576.3	100.0
0°-180°	576.3	100.0

Coefficient of Utilization



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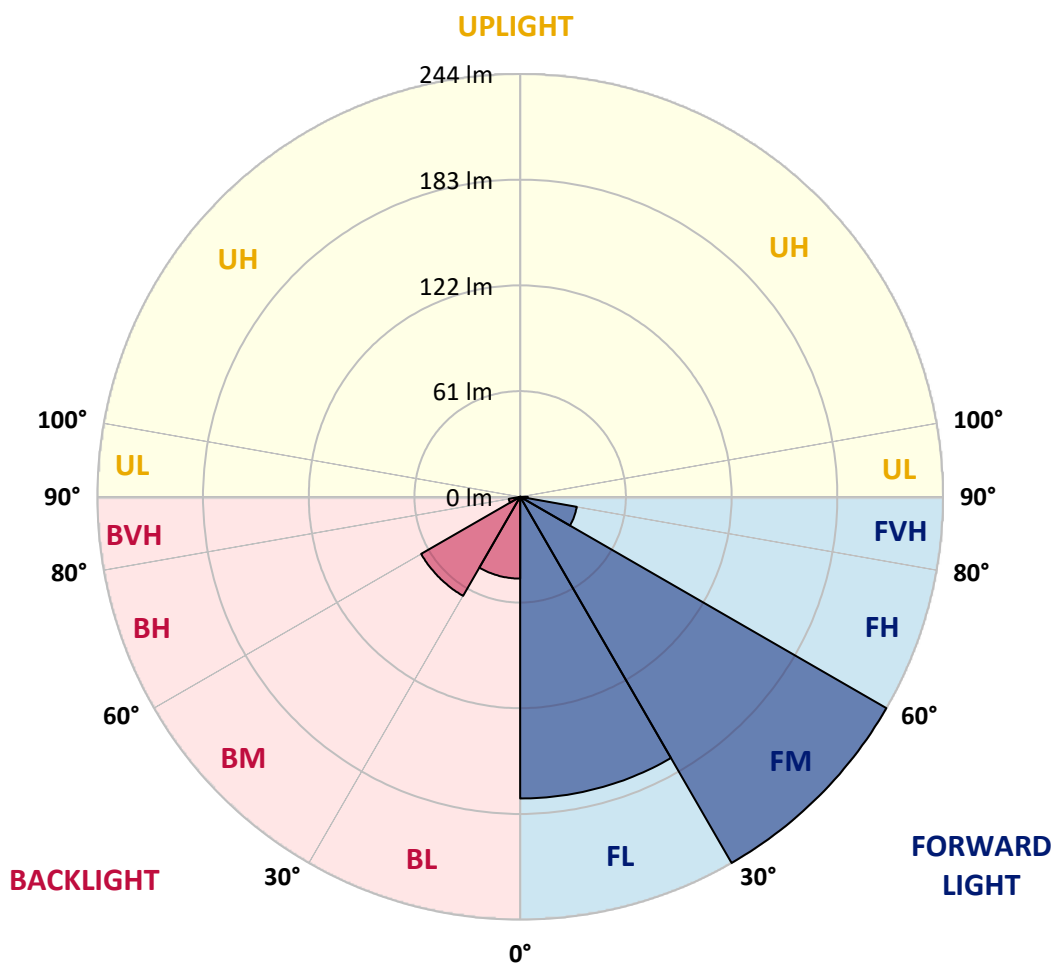
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	174.3	30.2			
FM (30°-60°)	244.3	42.4			
FH (60°-80°)	33.2	5.8			G0/660
FVH (80°-90°)	4.4	0.8			G0/10
BL (0°-30°)	47.3	8.2	B0/110		
BM (30°-60°)	66.1	11.5	B0/220		
BH (60°-80°)	6.7	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°	370.6	370.6	370.6	370.6	370.6	370.6	370.6	370.6	370.6	370.6	370.6
2.5°	570.2	557.3	540.8	541.7	532.5	531.6	522.4	411.1	376.2	369.7	369.7
5°	561.0	570.2	577.6	605.2	632.8	598.7	551.8	490.2	449.7	375.2	365.1
7.5°	490.2	481.9	488.4	489.3	493.0	509.5	547.2	482.8	433.2	373.4	362.4
10°	541.7	536.2	545.4	535.3	504.0	449.7	438.7	481.9	415.7	361.4	359.6
12.5°	475.5	471.8	484.7	512.3	515.0	494.8	428.6	424.9	410.2	352.2	354.1
15°	454.3	452.5	454.3	447.0	468.1	485.6	453.4	384.4	401.0	355.0	353.2
17.5°	448.8	448.8	439.6	435.9	438.7	441.5	446.1	385.4	388.1	352.2	344.0
20°	452.5	447.0	441.5	443.3	424.9	425.8	429.5	411.1	360.5	341.2	335.7
22.5°	428.6	424.0	435.0	434.1	433.2	410.2	399.2	398.2	344.9	335.7	332.0
25°	415.7	413.9	411.1	412.0	417.5	410.2	388.1	389.0	331.1	316.4	322.8
27.5°	399.2	395.5	396.4	396.4	409.3	393.6	371.6	366.0	323.7	306.3	308.1
30°	382.6	383.5	382.6	381.7	378.9	370.6	362.4	352.2	326.5	302.6	296.1
32.5°	362.4	356.8	363.3	357.8	359.6	352.2	343.1	338.5	311.8	289.7	282.4
35°	344.0	341.2	343.1	342.1	338.5	331.1	319.1	312.7	294.3	274.1	271.3
37.5°	324.7	319.1	323.7	325.6	313.6	309.9	301.7	293.4	273.2	253.8	253.8
40°	299.8	301.7	297.1	298.0	289.7	286.0	278.7	268.6	254.8	237.3	233.6
42.5°	279.6	273.2	269.5	271.3	265.8	264.0	257.5	251.1	230.8	216.1	214.3
45°	251.1	248.3	248.3	243.7	238.2	238.2	228.1	223.5	210.6	196.8	196.8
47.5°	222.6	221.6	216.1	216.1	215.2	213.4	204.2	195.0	186.7	170.1	172.0
50°	196.8	195.9	193.1	194.1	183.0	182.1	176.6	167.4	157.3	149.0	148.1
52.5°	166.5	164.6	164.6	160.0	160.0	157.3	149.0	143.5	134.3	126.0	126.0
55°	135.2	136.1	135.2	131.5	130.6	128.8	121.4	115.9	109.4	99.3	96.6
57.5°	110.4	114.0	108.5	105.8	104.8	103.0	100.2	93.8	84.6	76.3	74.5
60°	75.4	75.4	76.3	82.8	86.5	80.9	78.2	70.8	64.4	57.0	55.2
62.5°	59.8	59.8	59.8	57.9	63.5	61.6	59.8	55.2	48.7	42.3	40.5
65°	48.7	48.7	47.8	46.9	46.0	47.8	46.0	40.5	36.8	32.2	31.3
67.5°	41.4	40.5	41.4	39.5	37.7	36.8	35.9	33.1	29.4	24.8	23.9
70°	34.9	34.9	34.0	32.2	30.4	27.6	28.5	25.8	23.0	19.3	19.3
72.5°	29.4	29.4	28.5	27.6	24.8	23.0	21.2	21.2	17.5	14.7	13.8
75°	24.8	24.8	23.9	23.0	21.2	19.3	16.6	14.7	12.9	10.1	9.2
77.5°	22.1	21.2	21.2	19.3	17.5	15.6	12.9	11.0	9.2	6.4	6.4
80°	18.4	18.4	18.4	16.6	14.7	12.9	11.0	8.3	6.4	3.7	2.8
82.5°	16.6	15.6	15.6	14.7	12.9	11.0	8.3	5.5	3.7	1.8	0.9
85°	14.7	14.7	13.8	12.9	12.0	9.2	7.4	4.6	1.8	0.0	0.0
87.5°	13.8	13.8	12.9	12.0	11.0	9.2	6.4	4.6	1.8	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°	370.6	370.6	370.6	370.6	370.6	370.6	370.6	370.6	370.6	370.6
2.5°	368.8	370.6	366.0	234.5	168.3	162.8	163.7	162.8	156.4	152.7
5°	367.0	329.3	212.5	129.7	52.4	0.0	0.0	0.0	0.0	0.0
7.5°	364.2	314.5	211.5	126.0	53.3	0.0	0.0	0.0	0.0	0.0
10°	355.9	309.9	208.8	135.2	52.4	0.0	0.0	0.0	0.0	0.0
12.5°	355.9	307.2	204.2	140.7	51.5	0.0	0.0	0.0	0.0	0.0
15°	352.2	302.6	203.3	141.6	51.5	0.0	0.0	0.0	0.0	0.0
17.5°	344.0	299.8	199.6	138.9	50.6	0.0	0.0	0.0	0.0	0.0
20°	332.9	289.7	195.0	137.0	49.7	0.0	0.0	0.0	0.0	0.0
22.5°	328.3	274.1	190.4	129.7	47.8	0.0	0.0	0.0	0.0	0.0
25°	315.5	266.7	184.9	126.0	46.0	0.0	0.0	0.0	0.0	0.0
27.5°	308.1	255.7	178.4	119.6	44.1	0.0	0.0	0.0	0.0	0.0
30°	288.8	253.8	169.2	119.6	42.3	0.0	0.0	0.0	0.0	0.0
32.5°	282.4	244.6	163.7	114.0	39.5	0.0	0.0	0.0	0.0	0.0
35°	264.0	233.6	155.4	107.6	37.7	0.0	0.0	0.0	0.0	0.0
37.5°	252.0	217.1	143.5	100.2	34.0	0.0	0.0	0.0	0.0	0.0
40°	234.5	201.4	134.3	91.1	17.5	0.0	0.0	0.0	0.0	0.0
42.5°	211.5	182.1	123.2	84.6	29.4	0.0	0.0	0.0	0.0	0.0
45°	194.1	165.5	111.3	70.8	26.7	0.0	0.0	0.0	0.0	0.0
47.5°	169.2	145.3	95.6	67.1	23.0	0.0	0.0	0.0	0.0	0.0
50°	146.2	124.2	81.9	57.9	20.2	0.0	0.0	0.0	0.0	0.0
52.5°	121.4	104.8	68.1	48.7	16.6	0.0	0.0	0.0	0.0	0.0
55°	95.6	81.9	56.1	39.5	12.9	0.0	0.0	0.0	0.0	0.0
57.5°	73.6	65.3	44.1	30.4	10.1	0.0	0.0	0.0	0.0	0.0
60°	56.1	46.9	34.0	20.2	7.4	0.0	0.0	0.0	0.0	0.0
62.5°	40.5	34.0	23.9	15.6	5.5	0.0	0.0	0.0	0.0	0.0
65°	31.3	25.8	16.6	11.0	3.7	0.0	0.0	0.0	0.0	0.0
67.5°	23.9	19.3	12.9	7.4	1.8	0.0	0.0	0.0	0.0	0.0
70°	19.3	14.7	9.2	4.6	1.8	0.0	0.0	0.0	0.0	0.0
72.5°	13.8	11.0	7.4	3.7	0.9	0.0	0.0	0.0	0.0	0.0
75°	9.2	7.4	4.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	5.5	4.6	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.9	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)