

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: P394746

Luminaire Tested: **303-B1-LEDB2-4000-UNV-T5X-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394746
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-LEDB2-4000-UNV-T5X-DIM10
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, TWO LIGHTBAR, TYPE 5
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1225.7 lumens
Efficiency: N/A
Efficacy: 79.1 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

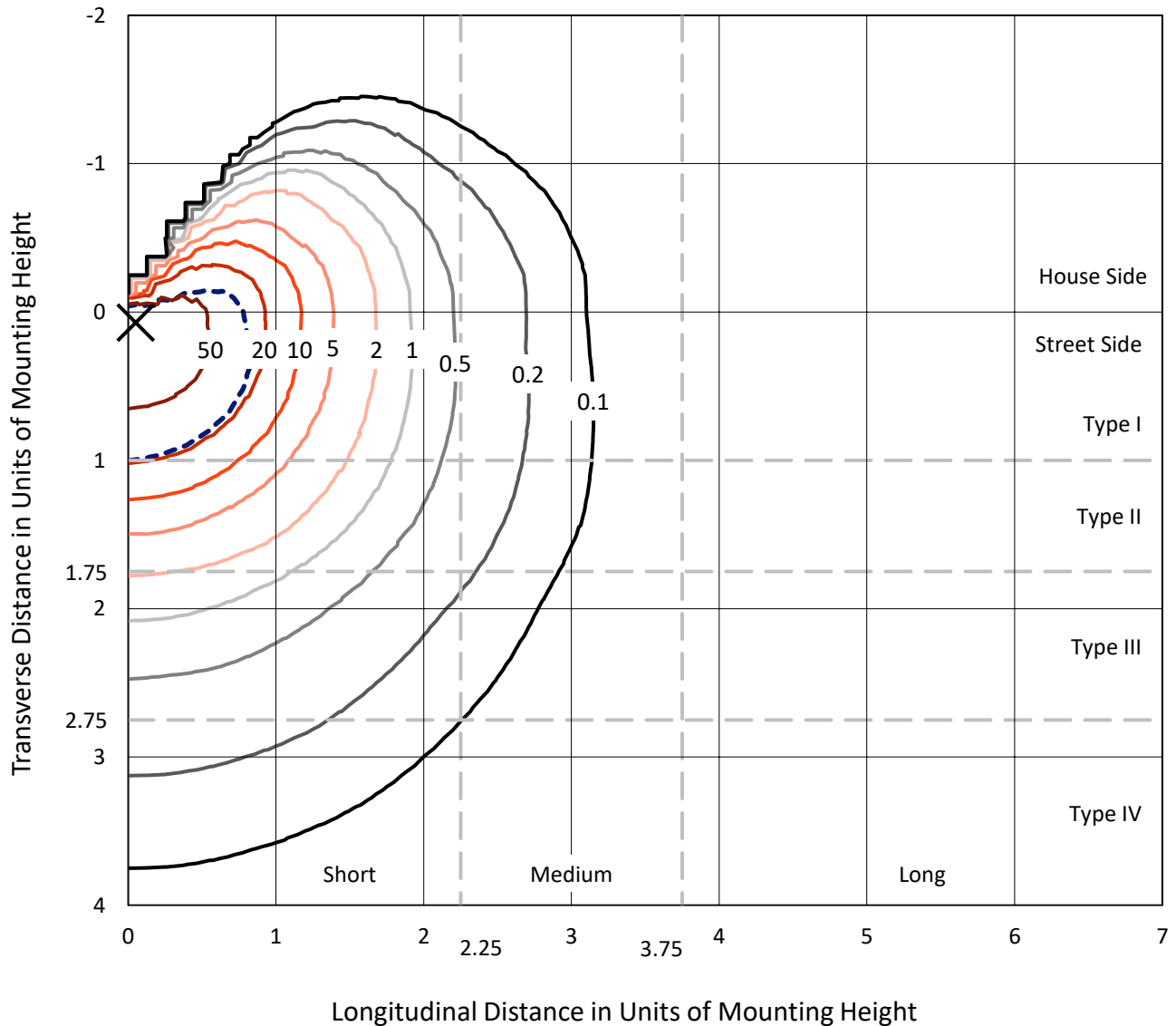


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Iso-Footcandle Lines of Horizontal Illumination

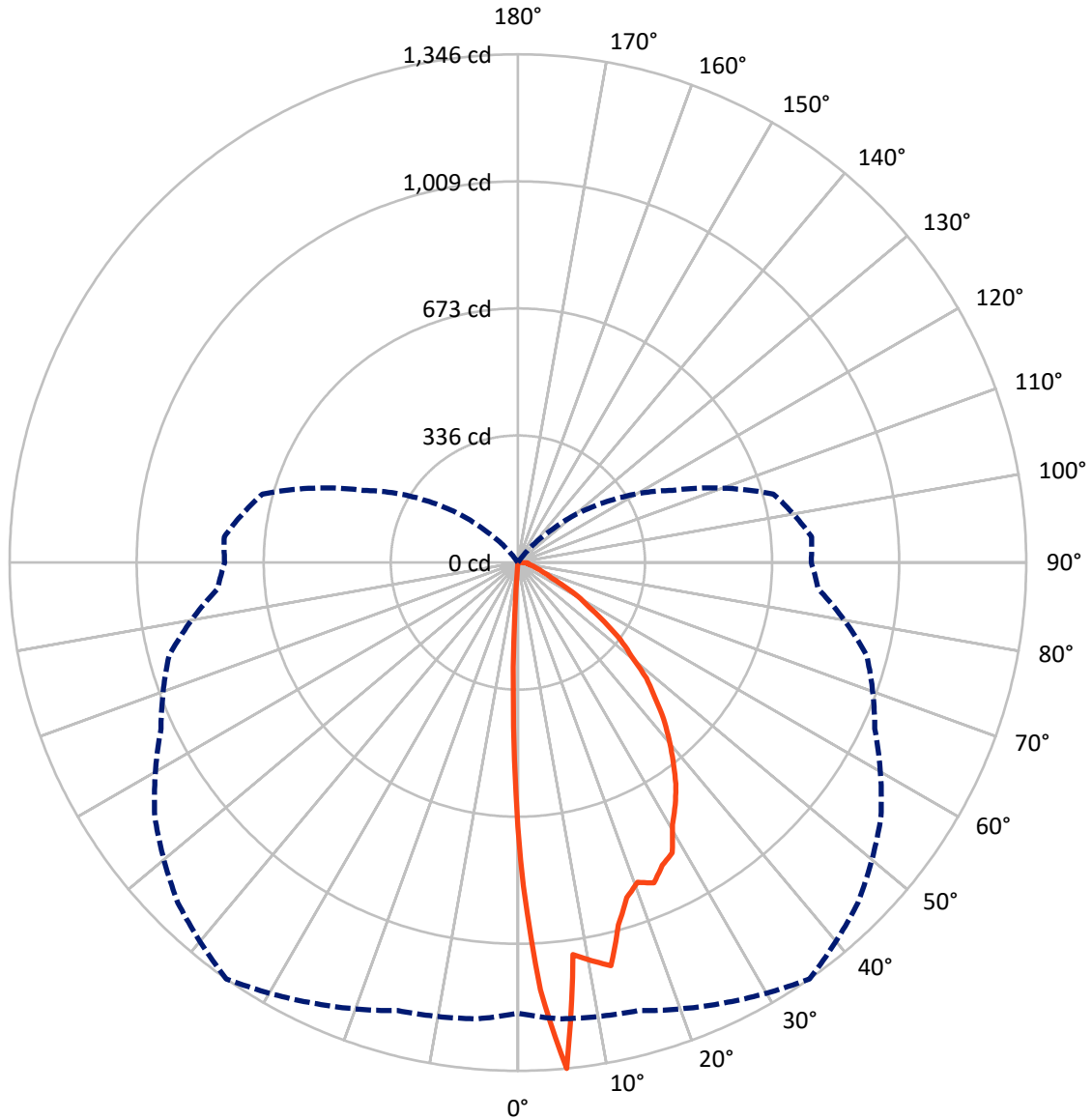
✕ Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 115.6 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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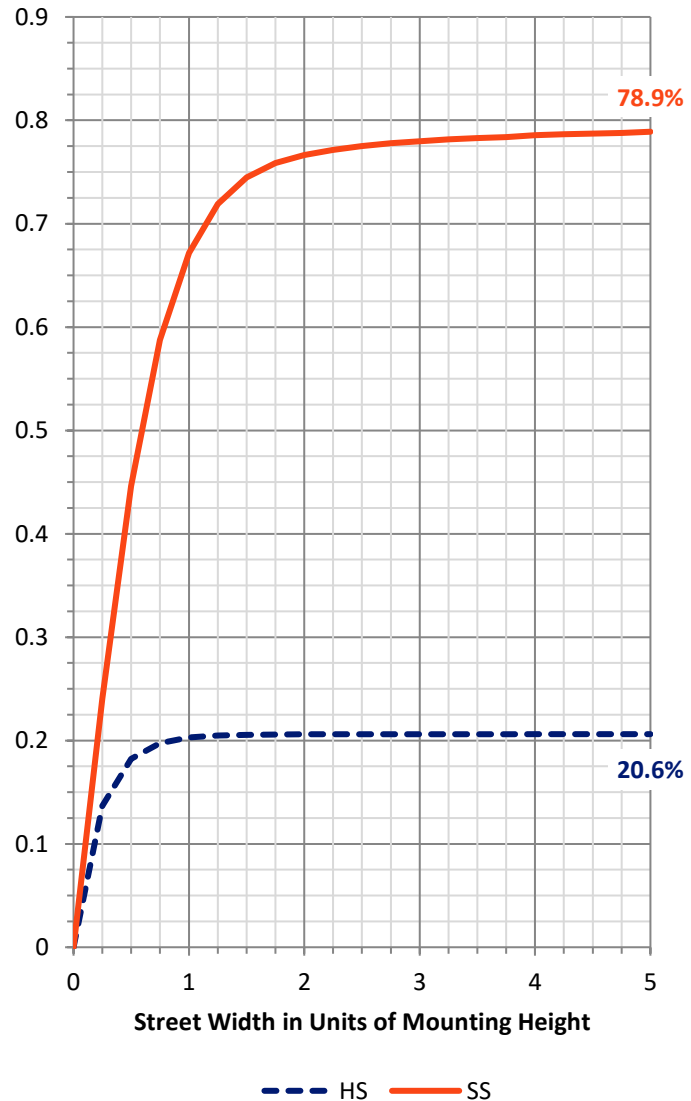
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	255.3	0.0	255.3
	% Fixture	20.8	0.0	20.8
Street Side	Lumens	970.4	0.0	970.4
	% Fixture	79.2	0.0	79.2
Total	Lumens	1225.7	0.0	1225.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.2	5.2
10°-20°	165.9	13.5
20°-30°	241.1	19.7
30°-40°	272.0	22.2
40°-50°	239.4	19.5
50°-60°	148.8	12.1
60°-70°	60.1	4.9
70°-80°	24.7	2.0
80°-90°	9.5	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°	1225.7	100.0
0°-180°	1225.7	100.0



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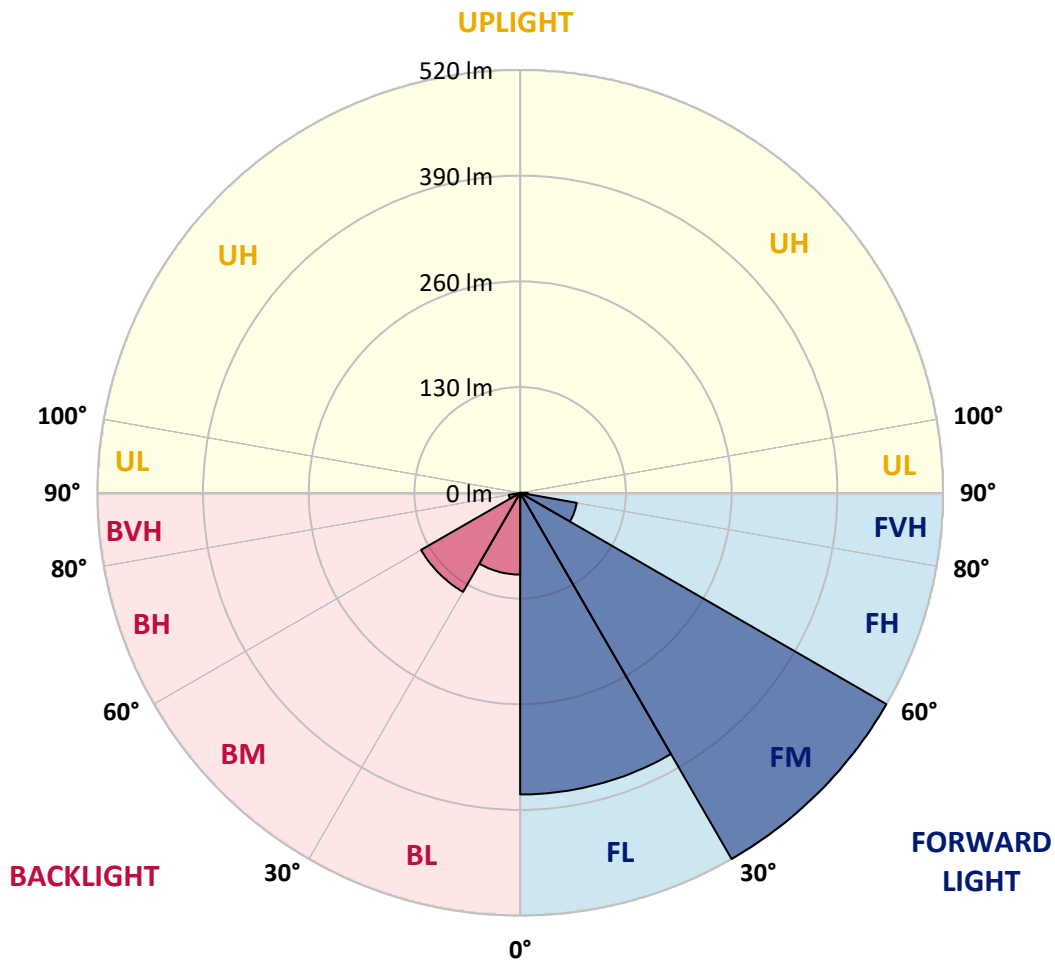
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	370.7	30.2			
FM	(30°-60°)	519.6	42.4			
FH	(60°-80°)	70.6	5.8			G0/660
FVH	(80°-90°)	9.4	0.8			G0/10
BL	(0°-30°)	100.5	8.2	B0/110		
BM	(30°-60°)	140.5	11.5	B0/220		
BH	(60°-80°)	14.2	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°	788.4	788.4	788.4	788.4	788.4	788.4	788.4	788.4	788.4	788.4	788.4
2.5°	1212.8	1185.5	1150.2	1152.2	1132.6	1130.7	1111.1	874.4	800.1	786.4	786.4
5°	1193.3	1212.8	1228.5	1287.2	1345.9	1273.5	1173.7	1042.7	956.6	798.1	776.6
7.5°	1042.7	1025.1	1038.7	1040.7	1048.5	1083.7	1163.9	1027.0	921.4	794.2	770.7
10°	1152.2	1140.5	1160.0	1138.5	1072.0	956.6	933.1	1025.1	884.2	768.8	764.9
12.5°	1011.4	1003.5	1030.9	1089.6	1095.5	1052.4	911.6	903.8	872.5	749.2	753.1
15°	966.4	962.5	966.4	950.7	995.7	1032.9	964.4	817.7	852.9	755.1	751.2
17.5°	954.6	954.6	935.1	927.2	933.1	939.0	948.8	819.6	825.5	749.2	731.6
20°	962.5	950.7	939.0	942.9	903.8	905.7	913.5	874.4	766.8	725.8	714.0
22.5°	911.6	901.8	925.3	923.3	921.4	872.5	849.0	847.0	733.6	714.0	706.2
25°	884.2	880.3	874.4	876.4	888.1	872.5	825.5	827.5	704.2	672.9	686.6
27.5°	849.0	841.2	843.1	843.1	870.5	837.3	790.3	778.6	688.6	651.4	655.3
30°	813.8	815.7	813.8	811.8	806.0	788.4	770.7	749.2	694.5	643.6	629.9
32.5°	770.7	759.0	772.7	761.0	764.9	749.2	729.7	719.9	663.2	616.2	600.6
35°	731.6	725.8	729.7	727.7	719.9	704.2	678.8	665.1	626.0	582.9	577.1
37.5°	690.5	678.8	688.6	692.5	667.1	659.2	641.6	624.0	581.0	539.9	539.9
40°	637.7	641.6	631.9	633.8	616.2	608.4	592.7	571.2	541.9	504.7	496.9
42.5°	594.7	581.0	573.2	577.1	565.3	561.4	547.7	534.0	491.0	459.7	455.8
45°	534.0	528.2	528.2	518.4	506.7	506.7	485.1	475.4	448.0	418.6	418.6
47.5°	473.4	471.4	459.7	459.7	457.8	453.8	434.3	414.7	397.1	361.9	365.8
50°	418.6	416.7	410.8	412.8	389.3	387.3	375.6	356.0	334.5	316.9	314.9
52.5°	354.1	350.2	350.2	340.4	340.4	334.5	316.9	305.2	285.6	268.0	268.0
55°	287.6	289.5	287.6	279.7	277.8	273.9	258.2	246.5	232.8	211.3	205.4
57.5°	234.7	242.6	230.8	225.0	223.0	219.1	213.2	199.5	180.0	162.4	158.5
60°	160.4	160.4	162.4	176.1	183.9	172.1	166.3	150.6	136.9	121.3	117.4
62.5°	127.2	127.2	127.2	123.2	135.0	131.1	127.2	117.4	103.7	90.0	86.1
65°	103.7	103.7	101.7	99.8	97.8	101.7	97.8	86.1	78.2	68.5	66.5
67.5°	88.0	86.1	88.0	84.1	80.2	78.2	76.3	70.4	62.6	52.8	50.9
70°	74.3	74.3	72.4	68.5	64.6	58.7	60.6	54.8	48.9	41.1	41.1
72.5°	62.6	62.6	60.6	58.7	52.8	48.9	45.0	45.0	37.2	31.3	29.3
75°	52.8	52.8	50.9	48.9	45.0	41.1	35.2	31.3	27.4	21.5	19.6
77.5°	46.9	45.0	45.0	41.1	37.2	33.3	27.4	23.5	19.6	13.7	13.7
80°	39.1	39.1	39.1	35.2	31.3	27.4	23.5	17.6	13.7	7.8	5.9
82.5°	35.2	33.3	33.3	31.3	27.4	23.5	17.6	11.7	7.8	3.9	2.0
85°	31.3	31.3	29.3	27.4	25.4	19.6	15.6	9.8	3.9	0.0	0.0
87.5°	29.3	29.3	27.4	25.4	23.5	19.6	13.7	9.8	3.9	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°	788.4	788.4	788.4	788.4	788.4	788.4	788.4	788.4	788.4	788.4
2.5°	784.4	788.4	778.6	498.8	358.0	346.2	348.2	346.2	332.6	324.7
5°	780.5	700.3	451.9	275.8	111.5	0.0	0.0	0.0	0.0	0.0
7.5°	774.7	669.0	449.9	268.0	113.5	0.0	0.0	0.0	0.0	0.0
10°	757.1	659.2	444.1	287.6	111.5	0.0	0.0	0.0	0.0	0.0
12.5°	757.1	653.4	434.3	299.3	109.5	0.0	0.0	0.0	0.0	0.0
15°	749.2	643.6	432.3	301.3	109.5	0.0	0.0	0.0	0.0	0.0
17.5°	731.6	637.7	424.5	295.4	107.6	0.0	0.0	0.0	0.0	0.0
20°	708.1	616.2	414.7	291.5	105.6	0.0	0.0	0.0	0.0	0.0
22.5°	698.4	582.9	404.9	275.8	101.7	0.0	0.0	0.0	0.0	0.0
25°	671.0	567.3	393.2	268.0	97.8	0.0	0.0	0.0	0.0	0.0
27.5°	655.3	543.8	379.5	254.3	93.9	0.0	0.0	0.0	0.0	0.0
30°	614.2	539.9	359.9	254.3	90.0	0.0	0.0	0.0	0.0	0.0
32.5°	600.6	520.4	348.2	242.6	84.1	0.0	0.0	0.0	0.0	0.0
35°	561.4	496.9	330.6	228.9	80.2	0.0	0.0	0.0	0.0	0.0
37.5°	536.0	461.7	305.2	213.2	72.4	0.0	0.0	0.0	0.0	0.0
40°	498.8	428.4	285.6	193.7	37.2	0.0	0.0	0.0	0.0	0.0
42.5°	449.9	387.3	262.1	180.0	62.6	0.0	0.0	0.0	0.0	0.0
45°	412.8	352.1	236.7	150.6	56.7	0.0	0.0	0.0	0.0	0.0
47.5°	359.9	309.1	203.4	142.8	48.9	0.0	0.0	0.0	0.0	0.0
50°	311.0	264.1	174.1	123.2	43.0	0.0	0.0	0.0	0.0	0.0
52.5°	258.2	223.0	144.8	103.7	35.2	0.0	0.0	0.0	0.0	0.0
55°	203.4	174.1	119.3	84.1	27.4	0.0	0.0	0.0	0.0	0.0
57.5°	156.5	138.9	93.9	64.6	21.5	0.0	0.0	0.0	0.0	0.0
60°	119.3	99.8	72.4	43.0	15.6	0.0	0.0	0.0	0.0	0.0
62.5°	86.1	72.4	50.9	33.3	11.7	0.0	0.0	0.0	0.0	0.0
65°	66.5	54.8	35.2	23.5	7.8	0.0	0.0	0.0	0.0	0.0
67.5°	50.9	41.1	27.4	15.6	3.9	0.0	0.0	0.0	0.0	0.0
70°	41.1	31.3	19.6	9.8	3.9	0.0	0.0	0.0	0.0	0.0
72.5°	29.3	23.5	15.6	7.8	2.0	0.0	0.0	0.0	0.0	0.0
75°	19.6	15.6	9.8	3.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	11.7	9.8	3.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	5.9	3.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.0	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)