

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: PORTFOLIO

Report Number: P858869

Luminaire Tested: **LX4C05D010 EX4C059830 4LBLWW\***

Issue Date: 2/9/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P858869  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/9/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C05D010 EX4C059830 4LBLWW\*  
Description:  
Light Source: -  
Ballast/Driver: -

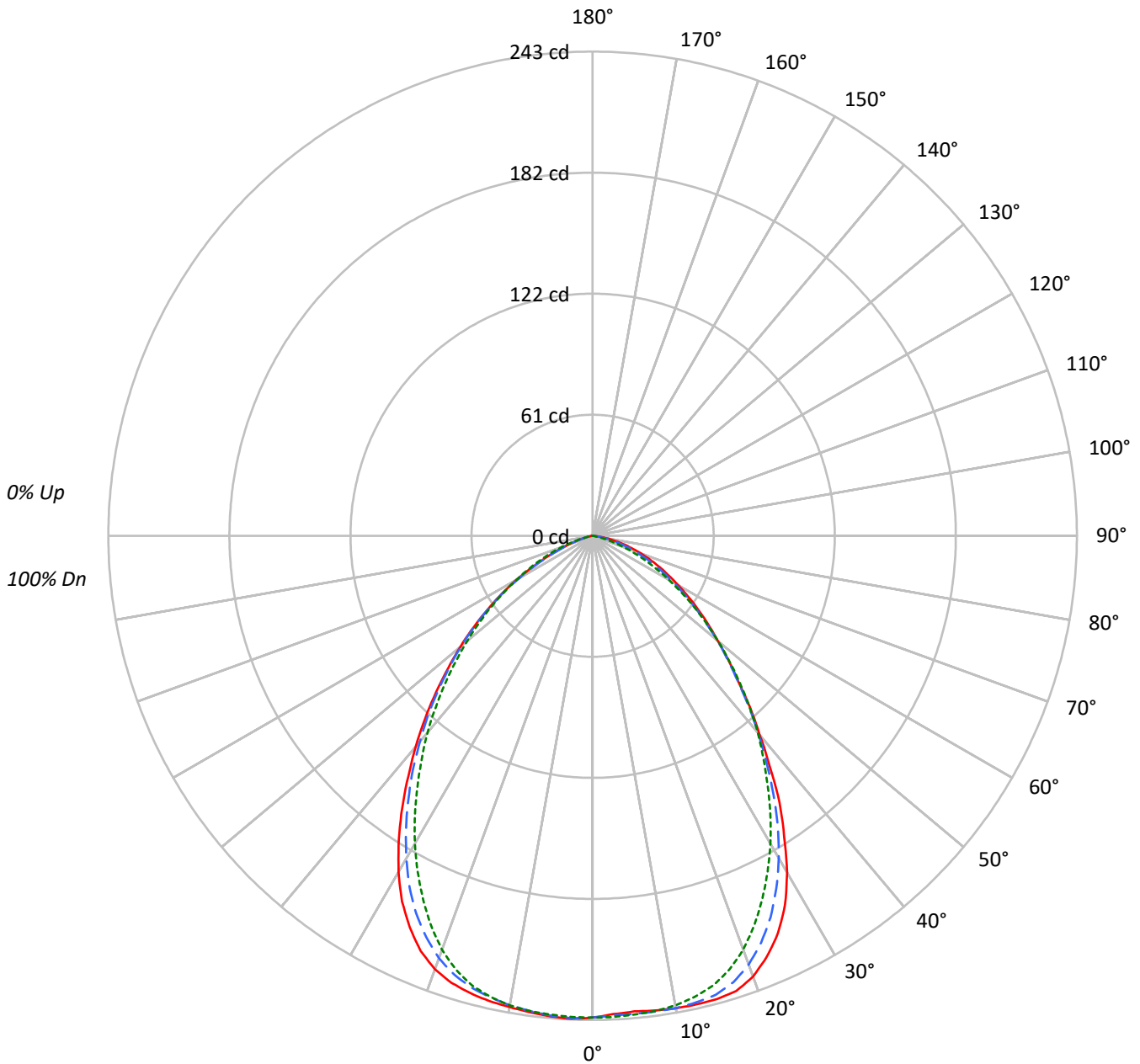
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 463.7 lumens  
Efficiency: N/A  
Efficacy: 64.4 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.18  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.2  
Input Voltage (V):  
Input Current (A<sub>in</sub>): 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: 25 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89			89
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78			78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68			68
4	88	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60			60
5	82	71	63	57	80	70	63	57	68	61	57	66	60	56	64	59	55	54			54
6	76	65	57	51	75	64	56	51	62	56	51	61	55	50	59	54	50	48			48
7	71	59	51	46	70	59	51	46	57	50	46	56	50	45	54	49	45	43			43
8	67	55	47	42	65	54	47	42	53	46	41	52	46	41	50	45	41	39			39
9	63	51	43	38	61	50	43	38	49	42	38	48	42	38	47	41	37	36			36
10	59	47	40	35	58	46	39	35	45	39	35	45	39	35	44	38	34	33			33

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	29706	29706	29706
5°	29548	29745	29856
10°	30039	29852	29965
15°	30627	29724	30220
20°	30776	28893	30266
25°	29835	27287	29415
30°	27691	25308	27634
35°	24521	22961	24986
40°	20913	20672	22148
45°	17965	18156	19303
50°	15672	15711	16552
55°	13858	13280	13708
60°	12138	10836	10787
65°	10756	8401	7471
70°	9160	5783	4454
75°	7405	3085	2041
80°	5023	778	495
85°	1551	282	282



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.0	5.0
10°-20°	66.5	14.4
20°-30°	96.1	20.7
30°-40°	99.4	21.4
40°-50°	82.1	17.7
50°-60°	56.7	12.2
60°-70°	29.7	6.4
70°-80°	9.3	2.0
80°-90°	0.8	0.2
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°-30°	185.7	40.0
0°-40°	285.1	61.5
0°-60°	423.9	91.4
0°-90°	463.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	463.7	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	242	242	242	242	242	
5°	240	241	241	242	242	23
15°	241	238	234	235	238	68
25°	220	211	201	209	217	100
35°	164	158	153	161	167	101
45°	103	103	104	109	111	81
55°	65	63	62	64	64	58
65°	37	34	29	24	26	37
75°	16	12	6	4	4	17
85°	1	0	0	0	0	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	241.8	241.8	241.8	241.8	241.8	241.8	241.8	241.8	241.8	241.8	241.8
2.5°	240.3	240.4	240.4	240.6	240.6	240.6	240.7	240.7	240.8	240.9	240.9
5°	239.6	239.6	239.8	239.9	240.1	240.1	240.3	240.4	240.6	240.7	240.8
7.5°	240.3	240.3	240.4	240.5	240.5	240.6	240.6	240.7	240.8	240.9	240.9
10°	240.8	240.8	240.8	240.8	240.9	240.9	240.9	240.8	240.8	240.8	240.7
12.5°	240.9	240.9	240.9	240.8	240.9	240.8	240.8	240.5	240.3	240.1	239.9
15°	240.8	240.8	240.7	240.6	240.5	240.3	240.2	239.8	239.4	238.9	238.5
17.5°	239.6	239.4	239.3	239.1	238.7	238.5	238.3	237.4	236.8	235.9	234.9
20°	235.4	235.2	235.0	234.5	234.1	233.7	233.2	231.9	231.3	230.0	229.0
22.5°	228.6	228.5	228.6	227.7	226.8	226.2	225.9	224.9	223.8	222.0	221.0
25°	220.1	219.5	219.5	218.2	217.8	217.4	217.0	215.8	214.2	212.6	211.2
27.5°	209.0	208.2	207.9	207.7	206.6	205.8	205.2	204.3	202.9	201.5	199.6
30°	195.2	195.1	194.7	193.9	193.0	192.6	191.9	190.4	189.1	188.1	186.8
32.5°	178.9	178.8	178.8	178.8	178.3	178.2	177.1	176.3	175.3	173.7	172.9
35°	163.5	163.4	163.5	162.1	161.8	161.5	161.4	160.9	159.5	158.7	158.0
37.5°	146.1	146.3	146.2	145.8	146.2	145.4	146.1	144.9	144.3	144.1	143.3
40°	130.4	131.1	130.4	130.5	130.9	130.1	130.1	129.8	129.5	129.3	129.1
42.5°	116.9	116.0	116.6	116.1	116.6	116.3	115.8	116.1	116.2	115.8	115.7
45°	103.4	103.5	103.7	103.4	103.4	103.2	103.9	103.4	103.4	103.5	102.9
47.5°	92.4	92.1	92.3	92.1	92.2	92.0	92.2	92.3	92.1	92.1	91.6
50°	82.0	81.9	82.5	82.0	82.0	81.9	82.0	81.8	81.5	81.5	81.7
52.5°	73.0	72.7	72.6	73.0	72.4	72.4	72.5	72.3	72.0	71.8	71.3
55°	64.7	64.6	64.7	64.3	64.1	64.1	63.7	63.5	63.4	63.0	62.7
57.5°	56.9	56.6	56.7	56.6	56.2	56.1	55.7	55.7	55.4	55.0	54.6
60°	49.4	49.4	49.7	49.3	49.0	48.9	48.7	48.5	47.9	47.3	46.7
62.5°	42.8	42.9	42.8	42.5	42.4	42.2	42.0	41.4	40.8	40.5	39.9
65°	37.0	36.9	36.6	36.4	35.9	35.9	35.6	35.3	34.7	34.2	33.5
67.5°	30.9	30.8	30.8	30.8	30.2	30.1	30.0	29.4	28.9	28.2	27.6
70°	25.5	25.7	25.4	25.1	24.9	24.8	24.5	24.0	23.4	22.7	22.2
72.5°	20.3	20.5	20.2	20.2	19.6	19.4	19.4	18.9	18.2	17.7	16.9
75°	15.6	15.7	15.5	15.3	15.0	14.9	14.4	14.1	13.6	12.9	12.2
77.5°	11.2	11.1	11.1	10.7	10.3	10.3	10.3	9.7	9.1	8.6	8.0
80°	7.1	7.0	6.8	6.6	6.3	6.2	6.2	5.7	5.3	4.9	4.5
82.5°	3.7	3.6	3.5	3.4	3.2	3.0	3.1	2.8	2.6	2.1	1.9
85°	1.1	1.2	1.2	1.1	1.0	1.0	1.0	0.9	0.7	0.6	0.5
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



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	241.8	241.8	241.8	241.8	241.8	241.8	241.8	241.8	241.8	241.8	241.8
2.5°	241.0	241.1	241.2	241.3	241.3	241.4	241.5	241.6	241.7	241.7	241.8
5°	240.9	241.0	241.0	241.1	241.1	241.1	241.2	241.2	241.2	241.2	241.3
7.5°	240.9	240.9	240.9	240.9	240.9	240.8	240.8	240.8	240.6	240.6	240.6
10°	240.5	240.4	240.3	240.1	240.1	240.0	239.8	239.6	239.4	239.3	239.2
12.5°	239.6	239.3	238.9	238.5	238.4	238.3	237.8	237.6	237.3	237.0	236.8
15°	237.7	237.2	236.6	235.9	235.7	235.5	234.9	234.3	234.0	233.7	233.3
17.5°	234.2	233.1	232.3	231.2	230.8	230.6	229.6	229.1	228.5	228.3	227.8
20°	227.7	226.7	225.3	224.4	223.8	223.3	222.4	221.7	221.0	221.0	220.5
22.5°	219.6	218.4	216.6	215.4	215.3	214.2	213.5	212.6	212.3	211.8	211.8
25°	209.5	208.3	206.4	205.4	204.8	204.6	203.3	202.2	201.7	201.3	201.6
27.5°	198.1	196.5	195.1	193.7	193.2	192.7	191.6	191.2	190.2	190.1	190.0
30°	185.3	183.6	182.2	181.6	180.7	180.2	179.4	178.8	178.4	178.4	178.3
32.5°	171.7	170.3	169.6	168.2	167.7	167.1	166.6	166.0	166.2	166.0	166.1
35°	157.1	156.8	155.4	154.6	154.6	154.4	153.6	153.2	153.0	153.1	153.6
37.5°	143.2	142.1	141.3	140.7	141.2	140.6	140.5	140.5	141.1	140.7	141.4
40°	128.4	128.3	128.0	128.1	128.2	127.6	127.8	127.9	128.2	128.9	129.0
42.5°	115.6	115.5	115.5	115.5	115.2	114.9	115.2	115.9	115.8	116.4	116.8
45°	103.1	102.9	103.3	103.0	103.5	103.7	103.4	103.6	104.2	104.5	105.2
47.5°	91.8	91.8	91.8	92.0	91.5	91.9	92.1	92.5	92.7	92.9	93.3
50°	81.2	81.2	81.1	81.1	81.1	81.3	80.9	81.4	81.5	82.2	82.7
52.5°	71.5	71.0	71.3	71.1	70.7	70.5	70.7	70.8	71.4	71.6	72.1
55°	62.2	62.2	61.5	61.3	61.6	61.5	61.4	61.4	61.7	62.0	62.4
57.5°	54.0	53.5	53.0	52.9	52.6	52.7	52.7	52.6	52.4	52.5	52.6
60°	46.3	45.9	45.1	45.1	45.0	44.9	44.5	44.4	44.0	44.1	43.7
62.5°	39.2	39.1	38.0	37.6	37.6	37.4	36.9	36.7	36.1	36.1	35.8
65°	32.9	32.4	31.7	31.0	31.0	30.7	30.4	29.6	29.2	28.9	28.4
67.5°	27.1	26.2	25.6	25.1	24.7	24.6	24.0	23.5	22.7	22.3	21.4
70°	21.4	20.8	20.2	19.6	19.3	18.9	18.3	17.5	16.9	16.1	15.5
72.5°	16.1	15.6	15.1	14.4	13.9	13.6	13.0	12.2	11.3	10.8	10.1
75°	11.6	11.0	10.3	9.6	9.4	9.1	8.4	7.8	7.1	6.5	5.8
77.5°	7.6	6.8	6.2	5.5	5.4	5.3	4.5	4.0	3.6	3.2	2.8
80°	4.0	3.7	3.2	2.8	2.6	2.2	1.9	1.6	1.3	1.1	0.9
82.5°	1.7	1.4	1.2	1.0	0.9	0.8	0.6	0.5	0.4	0.4	0.4
85°	0.4	0.4	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1	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):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	241.8	241.8	241.8	241.8	241.8	241.8	241.8	241.8	241.8	241.8	241.8
2.5°	241.8	241.9	242.0	242.0	242.1	242.2	242.2	242.3	242.4	242.5	242.5
5°	241.4	241.4	241.4	241.5	241.5	241.5	241.5	241.7	241.7	241.8	241.8
7.5°	240.5	240.5	240.5	240.5	240.4	240.5	240.4	240.4	240.6	240.7	240.8
10°	239.1	239.0	239.0	238.9	238.9	238.9	239.0	239.1	239.2	239.3	239.5
12.5°	236.8	236.7	236.7	236.6	236.6	236.7	236.8	236.9	237.3	237.5	237.8
15°	233.2	233.1	233.2	233.3	233.5	233.7	234.0	234.3	234.8	235.2	235.7
17.5°	227.8	227.9	228.0	228.3	228.6	228.9	229.6	230.3	231.0	231.7	232.4
20°	220.6	221.0	221.1	221.7	221.9	222.7	223.6	224.6	225.6	226.5	227.5
22.5°	211.9	212.1	212.5	213.2	213.8	214.8	215.8	217.0	218.1	219.4	220.8
25°	202.0	202.1	203.1	203.1	204.3	205.2	206.3	207.7	209.4	210.9	211.9
27.5°	190.7	191.2	192.0	192.3	193.2	194.7	195.6	197.3	198.9	200.3	201.4
30°	178.9	179.3	180.7	180.8	181.5	182.7	184.1	185.7	186.9	188.4	189.5
32.5°	166.5	167.5	168.3	168.9	169.1	171.0	171.7	172.8	174.3	175.9	176.8
35°	154.4	154.9	156.1	156.4	156.9	158.0	159.5	160.4	161.1	162.1	163.3
37.5°	141.6	142.9	143.2	144.3	144.5	145.5	146.2	147.3	148.2	149.1	149.3
40°	129.7	130.2	131.2	131.4	131.6	133.0	133.9	134.1	134.6	135.5	136.5
42.5°	117.6	118.1	119.1	118.9	119.7	120.4	120.8	121.9	122.3	122.6	122.6
45°	105.8	105.9	106.7	107.0	107.5	107.8	108.6	109.1	109.3	110.1	110.5
47.5°	94.3	94.5	95.1	95.8	95.5	96.0	96.9	97.2	97.3	97.8	98.1
50°	83.2	83.6	84.4	84.2	84.7	85.0	85.8	86.1	86.1	86.1	86.2
52.5°	72.8	73.1	73.3	73.5	73.7	74.2	74.5	74.4	74.7	75.1	74.8
55°	62.4	62.7	63.1	63.3	63.3	63.4	63.2	64.0	63.7	63.6	63.7
57.5°	53.0	52.6	52.5	53.0	53.1	53.1	52.8	53.1	53.1	53.0	52.7
60°	43.8	43.5	43.4	43.5	43.2	42.9	43.1	42.9	42.4	42.3	42.4
62.5°	35.4	35.1	34.4	34.4	34.2	34.2	33.4	33.5	33.2	32.6	32.8
65°	27.7	26.9	26.6	26.5	25.9	25.3	25.1	24.5	24.0	23.9	24.0
67.5°	20.8	20.0	19.4	19.1	18.7	18.3	17.7	17.0	17.3	17.1	17.6
70°	14.4	13.9	13.3	12.8	13.0	12.5	12.0	12.0	12.1	12.2	12.5
72.5°	9.6	8.9	8.6	8.4	8.2	7.8	8.0	8.0	7.9	8.0	7.8
75°	5.4	5.1	4.8	4.7	4.5	4.5	4.5	4.5	4.5	4.4	4.4
77.5°	2.4	2.2	2.1	2.1	2.1	2.1	2.0	1.9	1.9	1.9	1.8
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
87.5°	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.1	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





TEST NUMBER: P858869

CATALOG NUMBER: LX4C05D010 EX4C059830 4LBLWW\*

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	241.8	241.8	241.8	241.8	241.8	241.8	241.8	241.8
2.5°	242.6	242.6	242.6	242.6	242.7	242.7	242.7	242.7
5°	241.9	242.0	242.0	242.0	242.1	242.1	242.1	242.1
7.5°	240.9	240.9	240.9	241.0	241.0	241.1	241.1	241.2
10°	239.6	239.8	239.9	240.0	240.1	240.1	240.1	240.2
12.5°	238.3	238.5	238.5	238.7	238.9	239.0	239.1	239.2
15°	236.2	236.6	236.8	236.8	237.2	237.4	237.5	237.6
17.5°	233.1	233.8	234.1	234.3	234.6	235.0	235.2	235.3
20°	228.6	229.4	229.7	230.2	230.7	231.1	231.3	231.5
22.5°	222.1	223.0	223.6	224.2	224.6	225.1	225.8	225.5
25°	213.0	214.6	215.3	215.5	216.5	217.0	217.4	217.0
27.5°	202.9	203.9	204.4	205.0	205.7	206.3	206.4	207.0
30°	190.7	192.2	192.1	192.7	193.6	194.2	194.4	194.8
32.5°	177.9	178.6	179.2	179.2	179.5	180.5	180.1	180.9
35°	164.4	164.5	165.4	165.3	166.0	166.0	166.0	166.6
37.5°	150.0	151.1	150.6	151.7	151.3	151.6	151.6	151.8
40°	136.8	137.1	137.1	137.5	137.8	137.5	137.7	138.1
42.5°	123.1	123.5	123.6	123.4	123.7	124.5	123.9	124.4
45°	110.5	110.8	111.1	110.8	111.3	111.0	111.3	111.1
47.5°	98.4	98.4	98.3	99.0	98.4	98.4	98.8	98.2
50°	86.2	86.8	86.4	86.7	86.9	86.9	86.6	86.6
52.5°	75.3	75.2	74.9	75.2	75.0	75.1	75.3	75.1
55°	64.0	64.4	64.2	64.1	64.2	64.2	64.7	64.0
57.5°	53.0	52.8	53.1	53.7	53.1	53.5	53.8	53.9
60°	42.4	42.4	43.0	42.7	43.2	43.7	44.1	43.9
62.5°	32.4	32.8	33.0	33.1	33.6	34.0	34.0	33.9
65°	24.0	24.6	24.6	25.0	25.1	25.1	25.3	25.7
67.5°	17.7	17.7	17.8	18.0	17.9	17.9	18.1	18.2
70°	12.4	12.1	12.5	12.4	12.4	12.2	12.4	12.4
72.5°	7.8	7.8	7.9	7.8	7.7	7.8	7.8	7.9
75°	4.2	4.4	4.2	4.2	4.3	4.1	4.2	4.3
77.5°	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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— 0°-180°    - - 45°-225°    - - - - 90°-270°















(END OF REPORT)