

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: P684347

Luminaire Tested: **LX6C05D010 EX6C059040 6LBLWWH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684347
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-10)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C05D010 EX6C059040 6LBLWWH
Description: 6 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 6LRLWW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

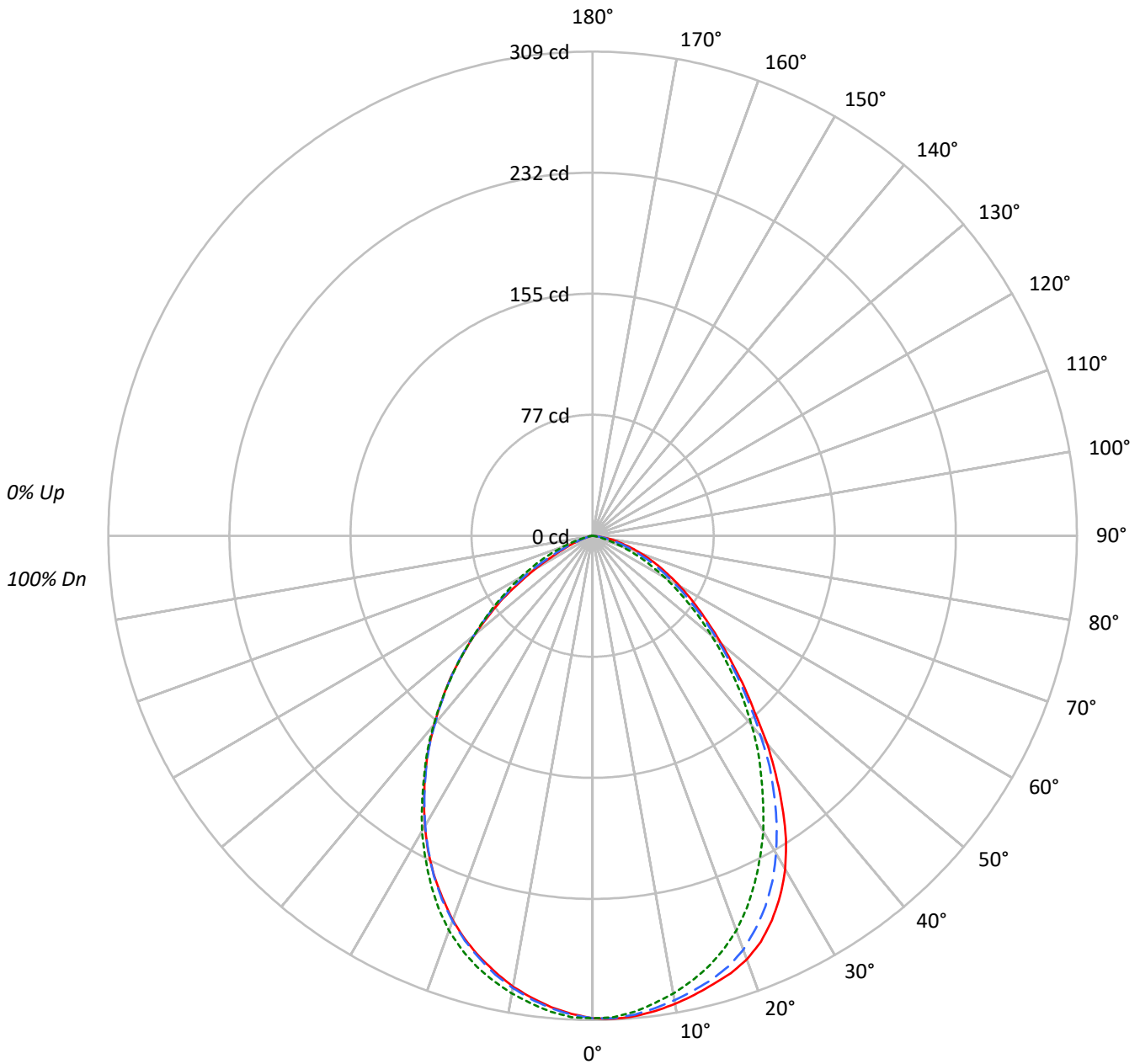
Lumens per Lamp: N/A
Luminaire Lumens: 560.0 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V):
Input Current (A_{in}): 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									
RC	80									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																			
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89																			
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	78																			
3	95	87	80	74	93	85	79	74	82	77	73	80	75	71	77	73	70	68																			
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60																			
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	60	56	54																			
6	77	65	57	51	75	64	57	51	62	56	51	61	55	50	59	54	50	48																			
7	71	59	52	46	70	59	51	46	57	51	46	56	50	45	55	49	45	43																			
8	67	55	47	42	65	54	47	42	53	46	42	52	46	41	51	45	41	39																			
9	63	51	43	38	62	50	43	38	49	42	38	48	42	38	47	42	38	36																			
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35	33																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	16879	16879	16879
5°	16938	16784	16619
10°	16883	16510	16266
15°	16822	16169	15795
20°	16784	15635	15220
25°	16374	14795	14475
30°	15559	13781	13553
35°	14121	12548	12468
40°	12387	11293	11235
45°	10621	9869	9947
50°	9143	8409	8366
55°	7990	7101	6662
60°	7028	5822	4550
65°	6149	4514	2737
70°	5241	3029	1603
75°	4236	1589	868
80°	2936	631	505
85°	1195	189	252



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.8	5.2
10°-20°	80.6	14.4
20°-30°	114.6	20.5
30°-40°	120.7	21.5
40°-50°	100.6	18.0
50°-60°	67.9	12.1
60°-70°	34.4	6.2
70°-80°	11.1	2.0
80°-90°	1.3	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°	224.0	40.0
0°-40°	344.7	61.6
0°-60°	513.2	91.6
0°-90°	560.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	560.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	308	308	308	308	308	
5°	308	307	305	303	302	29
15°	296	293	285	279	278	84
25°	271	261	245	240	239	124
35°	211	202	188	186	186	131
45°	137	134	127	128	128	106
55°	84	80	74	72	70	75
65°	47	43	35	25	21	47
75°	20	16	8	4	4	22
85°	2	1	0	0	0	3
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°	307.9	307.9	307.9	307.9	307.9	307.9	307.9	307.9	307.9	307.9	307.9
2.5°	308.6	308.6	308.6	308.6	308.6	308.6	308.5	308.5	308.3	308.3	308.2
5°	307.8	307.9	307.9	307.8	307.8	307.6	307.6	307.5	307.1	306.9	306.8
7.5°	306.0	306.0	305.9	305.8	305.7	305.4	305.3	305.0	304.8	304.6	304.1
10°	303.3	303.3	303.2	303.0	302.9	302.7	302.7	302.3	301.9	301.3	301.0
12.5°	300.1	300.2	300.0	299.9	299.6	299.5	299.3	298.8	298.4	297.8	297.3
15°	296.4	296.6	296.6	296.2	295.9	295.8	295.4	295.1	294.4	293.8	293.2
17.5°	292.8	293.0	292.8	292.4	292.1	291.7	291.5	290.9	290.0	289.1	288.2
20°	287.7	288.0	287.6	287.1	286.4	286.3	286.0	285.0	283.7	282.4	281.1
22.5°	280.5	280.3	280.0	279.8	278.8	278.2	277.8	276.4	275.0	273.3	271.6
25°	270.7	271.1	270.5	269.6	269.1	268.4	267.4	266.0	264.6	262.9	260.9
27.5°	259.1	259.1	258.3	258.0	256.8	256.0	255.5	254.1	252.3	250.5	248.4
30°	245.8	245.2	245.2	243.7	242.8	242.5	241.9	239.6	238.0	236.2	234.0
32.5°	229.6	229.5	229.1	228.2	226.9	225.9	225.9	224.3	222.2	219.9	218.6
35°	211.0	211.1	210.9	209.9	209.9	208.6	208.4	207.0	205.3	203.6	201.9
37.5°	191.8	192.2	191.8	191.2	190.9	190.8	189.9	188.9	187.6	186.6	185.3
40°	173.1	172.5	172.7	171.7	171.8	171.6	171.2	169.8	169.1	168.1	166.7
42.5°	153.1	153.7	153.9	153.3	153.1	152.6	153.1	152.5	151.7	151.2	149.9
45°	137.0	136.4	136.7	136.5	136.6	135.8	135.5	135.3	134.9	134.0	133.5
47.5°	121.1	121.2	121.1	120.7	120.5	120.5	120.0	119.4	119.4	118.8	118.4
50°	107.2	107.2	107.4	106.9	106.7	106.3	106.4	105.8	105.3	104.8	104.5
52.5°	94.5	94.6	94.2	94.3	94.1	94.1	93.7	93.2	92.8	91.9	91.7
55°	83.6	83.7	83.2	83.4	82.8	82.5	82.3	81.6	81.6	80.7	79.6
57.5°	73.5	73.4	73.3	73.0	72.5	72.2	71.9	71.2	70.9	70.3	69.3
60°	64.1	64.0	63.7	63.6	63.3	62.6	62.6	62.1	61.1	60.4	59.5
62.5°	55.2	55.2	55.1	54.7	54.4	54.1	53.9	53.5	52.5	51.7	50.9
65°	47.4	47.3	47.0	46.5	46.3	46.3	45.5	45.2	44.4	43.7	42.7
67.5°	39.9	39.5	39.3	39.4	38.8	38.8	38.2	37.7	36.9	35.7	35.0
70°	32.7	32.5	32.3	32.1	32.0	31.6	31.3	30.6	29.9	29.0	27.8
72.5°	26.2	26.2	25.9	25.7	25.4	24.9	24.7	24.2	23.4	22.4	21.5
75°	20.0	20.0	20.0	19.6	19.4	19.1	18.5	18.2	17.3	16.7	15.6
77.5°	14.7	14.5	14.2	14.1	13.9	13.7	13.3	12.8	12.0	11.3	10.7
80°	9.3	9.6	9.3	9.3	8.8	8.6	8.5	7.9	7.6	6.9	6.4
82.5°	5.2	5.3	5.1	5.0	4.7	4.6	4.6	4.1	3.9	3.5	3.2
85°	1.9	2.0	1.9	1.9	1.7	1.8	1.7	1.6	1.3	1.1	1.0
87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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°	307.9	307.9	307.9	307.9	307.9	307.9	307.9	307.9	307.9	307.9	307.9
2.5°	308.2	308.0	308.0	307.9	307.8	307.8	307.8	307.7	307.5	307.5	307.3
5°	306.6	306.4	306.1	305.9	305.8	305.7	305.6	305.5	305.1	305.0	304.7
7.5°	303.8	303.6	303.1	302.9	302.6	302.5	302.1	301.9	301.5	301.0	300.8
10°	300.5	300.0	299.6	299.1	298.9	298.6	298.0	297.4	297.1	296.6	296.2
12.5°	296.8	296.2	295.3	294.7	294.5	294.0	293.2	292.7	291.9	291.1	290.4
15°	292.1	291.4	290.7	289.6	289.2	288.6	287.8	286.8	285.7	284.9	284.1
17.5°	287.1	285.9	284.8	283.5	282.6	282.3	281.0	279.5	278.6	277.1	276.2
20°	279.9	278.4	276.5	275.3	274.4	273.5	272.0	270.4	269.3	268.0	266.7
22.5°	270.1	268.6	266.5	264.6	264.0	262.6	261.3	259.9	258.4	257.1	255.4
25°	258.5	257.0	254.8	252.9	251.9	251.3	248.7	247.2	245.8	244.6	243.5
27.5°	246.6	243.8	242.4	239.5	238.5	238.3	235.9	234.4	232.8	231.3	229.8
30°	231.9	229.7	227.6	225.5	224.3	223.5	221.8	219.8	218.8	217.7	216.3
32.5°	216.7	214.7	212.0	210.1	209.1	208.1	206.6	205.2	203.7	202.5	202.2
35°	200.4	198.3	196.0	194.6	194.3	193.1	191.6	190.4	189.3	187.5	187.2
37.5°	183.1	181.8	180.3	178.2	177.3	177.3	175.7	174.9	173.4	173.3	172.5
40°	166.0	165.5	163.1	162.5	162.3	160.8	160.4	159.0	157.9	157.8	156.6
42.5°	149.1	147.8	147.4	146.3	145.4	145.2	144.3	143.6	143.2	142.6	142.0
45°	132.4	132.0	131.0	130.3	130.0	129.6	129.3	128.0	127.8	127.3	127.0
47.5°	117.9	117.0	116.1	115.3	115.2	114.6	113.8	113.8	112.7	112.6	112.4
50°	103.5	102.9	102.3	101.2	101.4	100.6	100.5	99.6	99.0	98.6	99.1
52.5°	90.9	89.6	89.4	88.5	88.2	88.3	87.1	86.8	86.6	86.2	86.0
55°	78.9	78.2	77.4	76.8	76.3	75.8	75.3	75.3	74.2	74.3	73.8
57.5°	68.3	67.8	66.7	65.8	65.6	65.0	64.5	64.0	63.9	63.1	62.6
60°	58.9	58.0	56.6	56.2	55.6	55.1	54.5	53.9	53.6	53.1	52.2
62.5°	50.1	48.5	48.0	47.2	46.5	46.2	45.3	44.6	44.1	43.4	42.6
65°	41.7	40.6	39.6	38.7	38.6	37.8	37.0	36.4	35.4	34.8	33.4
67.5°	34.0	33.0	32.0	31.0	30.3	30.1	29.0	28.3	27.5	26.3	25.1
70°	27.0	26.0	25.1	24.0	23.7	22.9	22.0	21.3	20.1	18.9	18.0
72.5°	20.6	19.5	18.5	17.7	17.2	16.5	15.6	14.8	13.6	12.4	11.6
75°	14.7	13.9	12.9	12.1	11.7	11.3	10.3	9.4	8.6	7.5	6.7
77.5°	9.9	9.1	8.3	7.6	7.0	6.7	6.1	5.4	4.7	4.0	3.5
80°	5.8	5.3	4.7	4.0	3.9	3.6	3.1	2.7	2.3	2.0	1.6
82.5°	2.8	2.5	2.1	1.8	1.6	1.4	1.2	1.0	0.8	0.7	0.7
85°	0.8	0.7	0.6	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3
87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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°	307.9	307.9	307.9	307.9	307.9	307.9	307.9	307.9	307.9	307.9	307.9
2.5°	307.0	306.9	306.8	306.7	306.5	306.5	306.2	306.0	306.0	305.8	305.7
5°	304.3	304.0	303.9	303.7	303.5	303.4	303.0	302.9	302.7	302.5	302.5
7.5°	300.5	300.1	299.7	299.5	299.4	299.1	298.9	298.8	298.4	298.2	297.8
10°	295.4	295.1	294.6	294.4	294.2	294.0	293.5	293.2	293.1	292.9	292.7
12.5°	289.6	289.1	288.6	288.2	288.0	287.7	287.2	286.9	286.9	286.4	286.4
15°	283.2	282.6	281.7	281.3	281.2	280.5	280.1	279.7	279.2	279.0	279.0
17.5°	275.2	274.1	273.3	273.3	272.9	272.3	271.6	271.3	271.0	270.6	270.4
20°	265.6	264.9	264.0	264.0	263.1	262.9	262.2	262.1	261.4	261.5	261.2
22.5°	254.2	253.7	253.2	252.8	252.3	251.7	251.4	251.5	251.2	251.1	251.0
25°	242.6	241.4	240.8	240.6	240.4	239.9	239.7	239.6	239.6	239.3	239.4
27.5°	229.2	228.4	227.6	227.9	227.5	227.1	226.9	226.6	226.8	226.7	226.8
30°	215.6	214.5	214.0	214.2	214.1	213.3	213.7	213.6	213.7	213.7	213.9
32.5°	201.2	200.4	200.3	200.4	199.5	199.6	199.2	199.8	199.9	200.6	200.0
35°	186.6	186.2	185.4	185.3	185.4	185.3	185.3	185.8	185.7	186.3	186.1
37.5°	171.6	171.4	170.6	170.9	170.4	171.2	171.4	171.2	171.9	171.7	171.6
40°	156.9	156.6	156.2	157.0	156.5	156.1	156.8	156.2	156.4	157.0	157.0
42.5°	142.0	141.5	141.5	141.5	141.4	141.4	141.7	142.0	141.8	141.9	142.7
45°	127.0	126.9	126.6	126.8	126.7	127.2	127.2	127.4	127.8	128.2	128.0
47.5°	112.5	112.3	112.6	112.4	112.5	112.2	112.4	113.0	113.5	112.8	113.5
50°	98.9	98.5	98.4	98.7	98.6	98.5	98.7	98.7	98.5	98.5	99.2
52.5°	86.0	85.6	85.3	85.8	85.5	85.6	85.2	85.2	85.4	85.2	84.9
55°	73.9	73.6	73.2	73.4	72.9	72.7	72.3	72.3	72.0	71.8	71.2
57.5°	62.3	62.1	61.2	61.1	61.2	60.4	59.7	59.4	58.6	58.4	58.3
60°	52.1	50.9	50.4	49.8	49.4	49.1	48.2	47.7	46.5	45.7	45.6
62.5°	41.4	40.9	40.3	39.3	39.1	38.1	37.3	35.9	35.3	34.4	33.4
65°	32.8	31.5	30.5	30.0	29.2	28.3	27.3	25.9	25.1	24.0	23.1
67.5°	24.0	22.9	21.6	21.2	20.5	19.4	18.4	17.2	16.6	15.5	15.2
70°	16.5	15.4	14.5	13.9	13.3	12.2	11.3	10.9	10.2	10.0	10.0
72.5°	10.6	9.6	8.6	8.3	7.9	7.2	6.6	6.4	6.6	6.5	6.5
75°	5.9	5.4	4.7	4.3	4.3	4.1	4.0	4.0	4.0	4.0	4.0
77.5°	3.0	2.7	2.5	2.4	2.4	2.4	2.5	2.5	2.5	2.6	2.5
80°	1.4	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.6	1.4
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
85°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	307.9	307.9	307.9	307.9	307.9	307.9	307.9	307.9
2.5°	305.6	305.4	305.4	305.3	305.3	305.3	305.3	305.4
5°	302.3	302.2	302.2	302.0	302.0	302.0	302.0	302.0
7.5°	297.8	297.6	297.7	297.5	297.5	297.6	297.5	297.4
10°	292.3	292.2	292.3	292.3	292.1	292.0	292.1	292.2
12.5°	286.1	286.0	285.8	285.9	285.9	285.8	285.7	285.5
15°	278.9	278.8	278.7	278.6	278.5	278.6	278.5	278.3
17.5°	270.4	270.4	270.3	270.2	270.1	269.9	270.0	270.3
20°	261.3	261.2	261.0	261.1	260.7	260.5	260.6	260.9
22.5°	250.8	250.5	250.7	250.4	250.4	250.5	250.4	250.2
25°	239.5	239.0	239.3	239.4	239.4	239.3	239.2	239.3
27.5°	226.8	227.1	227.1	226.9	227.3	226.8	227.0	227.1
30°	213.9	213.6	213.5	213.9	214.5	214.0	214.0	214.1
32.5°	200.6	200.1	200.1	200.3	200.2	200.2	200.7	200.1
35°	186.3	186.5	185.7	186.2	186.4	186.2	186.3	186.3
37.5°	171.9	171.7	171.7	171.7	172.0	172.0	172.2	172.1
40°	157.7	157.3	157.2	157.4	157.0	157.3	157.3	157.0
42.5°	142.4	142.5	143.0	142.5	142.6	142.5	142.3	142.2
45°	128.2	128.5	128.3	128.2	128.3	127.9	128.0	128.3
47.5°	113.2	113.8	113.2	113.6	113.5	113.3	113.1	112.7
50°	99.1	99.3	99.2	99.1	99.0	98.9	98.4	98.1
52.5°	84.8	84.8	84.8	84.8	83.7	84.2	84.0	83.4
55°	70.7	71.0	70.6	70.6	69.9	69.9	69.6	69.7
57.5°	57.1	56.8	56.5	56.5	55.8	55.5	55.2	54.7
60°	44.5	44.2	43.8	43.3	42.5	42.5	42.3	41.5
62.5°	32.6	32.1	31.8	31.4	30.7	30.3	30.0	30.2
65°	22.4	21.8	21.4	21.4	21.4	21.2	21.1	21.1
67.5°	14.7	15.0	14.8	15.0	15.0	14.8	14.7	14.9
70°	10.1	10.1	10.0	10.0	10.0	10.0	9.9	10.0
72.5°	6.5	6.5	6.5	6.6	6.5	6.5	6.6	6.6
75°	4.1	4.1	4.1	4.2	4.1	4.1	4.2	4.1
77.5°	2.5	2.6	2.6	2.6	2.6	2.5	2.6	2.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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)