

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: P844084

Luminaire Tested: **LD6C15DE010B50 EU6C15B50 6LBLWWH**

Issue Date: 5/7/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P844084  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C15DE010B50 EU6C15B50 6LBLWWH  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

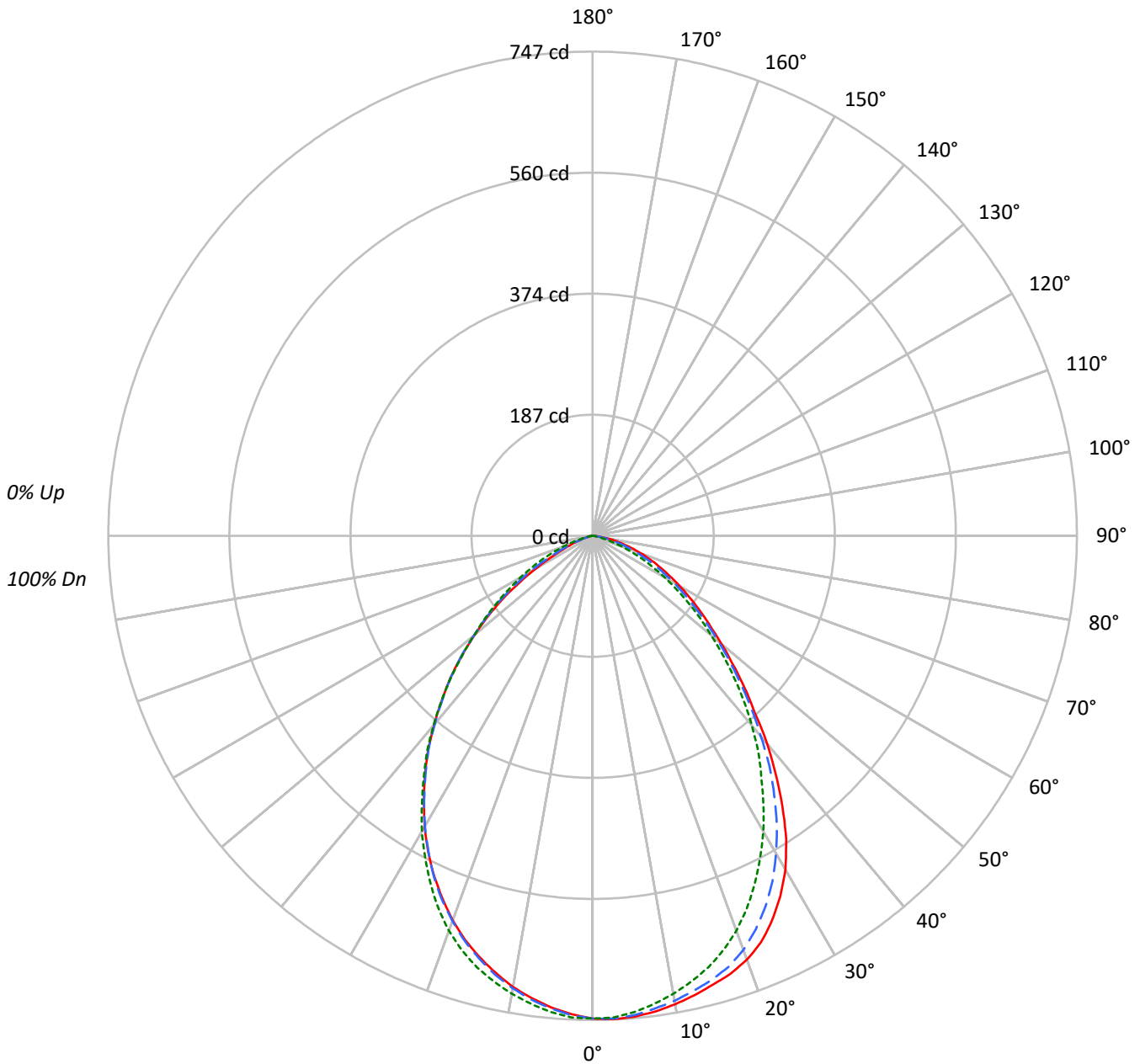
Lumens per Lamp: N/A  
Luminaire Lumens: 1354.8 lumens  
Efficiency: N/A  
Efficacy: 79.7 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 17  
Input Voltage (V):  
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: 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°	40830	40830	40830
5°	40975	40601	40205
10°	40848	39940	39356
15°	40698	39121	38207
20°	40604	37827	36823
25°	39619	35802	35010
30°	37639	33347	32790
35°	34164	30356	30162
40°	29970	27323	27179
45°	25700	23878	24065
50°	22114	20349	20238
55°	19335	17185	16133
60°	16983	14078	11008
65°	14865	10909	6628
70°	12678	7341	3895
75°	10230	3813	2118
80°	7103	1515	1200
85°	2830	440	629



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.8	5.2
10°-20°	194.9	14.4
20°-30°	277.3	20.5
30°-40°	291.9	21.5
40°-50°	243.3	18.0
50°-60°	164.3	12.1
60°-70°	83.3	6.2
70°-80°	26.9	2.0
80°-90°	3.1	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°	542.0	40.0
0°-40°	833.9	61.6
0°-60°	1241.5	91.6
0°-90°	1354.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1354.8	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	745	745	745	745	745	
5°	745	742	738	732	731	71
15°	717	709	689	676	673	203
25°	655	631	592	580	579	300
35°	510	488	454	449	451	318
45°	332	323	308	309	310	257
55°	202	192	180	174	169	182
65°	115	103	84	61	51	114
75°	48	38	18	10	10	52
85°	4	2	1	1	1	8
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°	744.8	744.8	744.8	744.8	744.8	744.8	744.8	744.8	744.8	744.8	744.8
2.5°	746.6	746.6	746.6	746.6	746.6	746.6	746.4	746.4	745.8	745.8	745.6
5°	744.6	744.8	744.8	744.6	744.6	744.0	744.0	743.8	743.1	742.6	742.4
7.5°	740.3	740.3	740.0	739.8	739.6	738.9	738.5	737.8	737.3	736.9	735.8
10°	733.8	733.8	733.6	733.0	732.8	732.3	732.3	731.4	730.3	729.0	728.3
12.5°	726.1	726.3	725.9	725.5	724.8	724.6	724.1	722.8	722.0	720.6	719.3
15°	717.1	717.5	717.5	716.5	715.8	715.5	714.7	714.0	712.3	710.8	709.2
17.5°	708.3	708.8	708.3	707.6	706.8	705.8	705.2	703.7	701.5	699.5	697.3
20°	696.0	696.8	695.7	694.5	693.0	692.8	692.0	689.5	686.3	683.2	680.0
22.5°	678.8	678.3	677.5	677.0	674.5	673.0	672.0	668.7	665.3	661.2	657.2
25°	655.0	655.9	654.5	652.2	651.0	649.5	647.0	643.5	640.2	636.0	631.2
27.5°	626.9	626.9	625.0	624.1	621.4	619.4	618.2	614.7	610.4	606.1	600.8
30°	594.6	593.1	593.1	589.6	587.3	586.6	585.4	579.6	575.9	571.3	566.0
32.5°	555.6	555.3	554.3	552.1	549.0	546.6	546.6	542.6	537.5	532.0	528.8
35°	510.5	510.7	510.2	507.8	507.8	504.7	504.3	500.7	496.8	492.4	488.4
37.5°	463.9	464.9	463.9	462.7	462.0	461.7	459.4	456.9	453.9	451.4	448.4
40°	418.8	417.3	417.9	415.3	415.7	415.1	414.1	410.9	409.1	406.6	403.4
42.5°	370.3	371.8	372.3	370.8	370.3	369.3	370.3	369.0	367.0	365.7	362.8
45°	331.5	330.0	330.7	330.2	330.5	328.5	327.8	327.2	326.5	324.3	323.0
47.5°	293.0	293.2	293.0	291.9	291.4	291.4	290.4	288.9	288.9	287.5	286.4
50°	259.3	259.3	259.9	258.6	258.2	257.1	257.3	255.8	254.9	253.6	252.9
52.5°	228.6	228.9	227.8	228.1	227.6	227.6	226.5	225.6	224.5	222.3	221.8
55°	202.3	202.5	201.3	201.8	200.3	199.6	199.0	197.6	197.6	195.2	192.5
57.5°	177.8	177.5	177.3	176.5	175.5	174.7	174.0	172.3	171.5	170.0	167.7
60°	154.9	154.7	154.2	154.0	153.3	151.5	151.5	150.2	147.8	146.2	143.9
62.5°	133.5	133.5	133.2	132.4	131.7	130.9	130.4	129.5	126.9	125.2	123.2
65°	114.6	114.4	113.7	112.4	111.9	111.9	110.2	109.4	107.5	105.7	103.4
67.5°	96.7	95.6	95.2	95.4	93.9	93.9	92.4	91.2	89.4	86.4	84.6
70°	79.1	78.6	78.2	77.6	77.3	76.4	75.6	74.1	72.3	70.1	67.4
72.5°	63.4	63.4	62.6	62.1	61.3	60.3	59.9	58.6	56.6	54.0	52.0
75°	48.3	48.3	48.3	47.3	46.9	46.3	44.8	44.1	41.8	40.3	37.8
77.5°	35.5	35.0	34.3	34.1	33.5	33.0	32.3	31.1	29.1	27.3	25.8
80°	22.5	23.3	22.5	22.5	21.3	20.7	20.5	19.0	18.3	16.8	15.5
82.5°	12.5	12.8	12.3	12.1	11.3	11.0	11.0	10.0	9.5	8.5	7.7
85°	4.5	4.8	4.5	4.5	4.0	4.2	4.0	3.8	3.3	2.7	2.5
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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°	744.8	744.8	744.8	744.8	744.8	744.8	744.8	744.8	744.8	744.8	744.8
2.5°	745.6	745.1	745.1	744.8	744.6	744.6	744.6	744.4	743.8	743.8	743.6
5°	741.8	741.3	740.6	740.0	739.8	739.6	739.3	739.1	738.1	737.8	737.1
7.5°	735.1	734.5	733.4	732.8	732.1	731.8	730.8	730.3	729.3	728.3	727.8
10°	727.0	725.9	724.8	723.5	723.1	722.3	721.1	719.5	718.8	717.5	716.5
12.5°	718.0	716.5	714.5	713.1	712.5	711.3	709.2	708.0	706.3	704.3	702.5
15°	706.8	705.0	703.2	700.5	699.7	698.2	696.2	693.8	691.3	689.3	687.3
17.5°	694.5	691.8	689.0	686.0	683.8	683.0	679.7	676.3	674.0	670.4	668.2
20°	677.2	673.5	669.0	666.0	664.0	661.8	658.0	654.3	651.4	648.4	645.2
22.5°	653.4	649.9	644.7	640.2	638.7	635.4	632.1	628.7	625.2	621.9	617.9
25°	625.4	621.7	616.4	611.8	609.4	607.9	601.6	598.1	594.6	591.9	589.1
27.5°	596.6	589.8	586.4	579.4	577.0	576.6	570.8	567.1	563.3	559.6	556.1
30°	561.1	555.8	550.5	545.5	542.6	540.8	536.5	531.8	529.2	526.8	523.2
32.5°	524.3	519.5	513.0	508.2	506.0	503.4	499.7	496.5	492.8	490.0	489.3
35°	484.9	479.7	474.1	470.6	470.2	467.2	463.5	460.7	458.0	453.6	452.9
37.5°	442.9	439.9	436.2	431.1	428.9	428.9	425.2	423.2	419.6	419.4	417.3
40°	401.6	400.3	394.6	393.1	392.6	389.1	388.0	384.6	382.0	381.8	378.8
42.5°	360.8	357.5	356.5	354.0	351.8	351.2	349.0	347.5	346.5	345.0	343.5
45°	320.3	319.5	317.0	315.2	314.4	313.5	312.7	309.7	309.3	308.0	307.2
47.5°	285.1	283.1	280.9	278.9	278.7	277.2	275.4	275.4	272.7	272.4	271.9
50°	250.3	248.9	247.6	244.8	245.4	243.4	243.1	240.8	239.6	238.6	239.9
52.5°	219.8	216.8	216.3	214.1	213.3	213.5	210.8	210.0	209.5	208.6	208.0
55°	190.8	189.3	187.3	185.7	184.6	183.3	182.2	182.2	179.5	179.8	178.5
57.5°	165.2	164.0	161.5	159.3	158.8	157.3	156.0	154.7	154.5	152.7	151.5
60°	142.5	140.2	137.0	135.9	134.4	133.2	132.0	130.4	129.7	128.4	126.2
62.5°	121.2	117.4	116.1	114.1	112.4	111.7	109.7	107.9	106.6	104.9	103.1
65°	100.9	98.1	95.9	93.6	93.4	91.4	89.6	88.1	85.7	84.1	80.9
67.5°	82.4	79.9	77.3	75.1	73.4	72.9	70.1	68.3	66.6	63.6	60.8
70°	65.4	62.8	60.8	58.1	57.3	55.3	53.3	51.6	48.5	45.8	43.6
72.5°	49.8	47.1	44.8	42.8	41.6	39.8	37.8	35.9	32.8	30.0	28.0
75°	35.5	33.5	31.3	29.3	28.2	27.3	25.1	22.7	20.7	18.0	16.3
77.5°	24.0	22.0	20.0	18.3	17.0	16.3	14.8	13.0	11.3	9.7	8.5
80°	14.1	12.8	11.3	9.7	9.5	8.8	7.5	6.6	5.5	4.8	3.8
82.5°	6.8	6.0	5.0	4.2	3.8	3.5	3.0	2.5	2.0	1.8	1.8
85°	2.0	1.8	1.5	1.3	1.0	1.0	0.7	0.7	0.7	0.7	0.7
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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°	744.8	744.8	744.8	744.8	744.8	744.8	744.8	744.8	744.8	744.8	744.8
2.5°	742.9	742.6	742.4	742.0	741.6	741.6	740.9	740.3	740.3	739.8	739.6
5°	736.3	735.6	735.4	734.8	734.3	734.1	733.0	732.8	732.3	731.8	731.8
7.5°	727.0	726.1	725.0	724.6	724.3	723.5	723.1	722.8	722.0	721.5	720.6
10°	714.7	714.0	712.7	712.3	711.8	711.3	710.0	709.2	709.0	708.5	708.0
12.5°	700.5	699.5	698.2	697.3	696.8	696.0	694.8	694.0	694.0	693.0	693.0
15°	685.2	683.8	681.5	680.5	680.3	678.8	677.7	676.8	675.5	675.0	675.0
17.5°	665.7	663.2	661.2	661.2	660.2	658.7	657.2	656.5	655.7	654.7	654.3
20°	642.7	640.9	638.7	638.7	636.4	636.0	634.5	634.2	632.5	632.7	631.9
22.5°	614.9	613.9	612.7	611.6	610.4	608.9	608.1	608.4	607.6	607.4	607.1
25°	586.9	584.1	582.7	582.1	581.6	580.3	579.8	579.6	579.6	578.8	579.1
27.5°	554.5	552.5	550.5	551.3	550.3	549.5	549.0	548.3	548.8	548.6	548.8
30°	521.5	519.0	517.7	518.2	518.0	516.0	517.0	516.8	517.0	517.0	517.5
32.5°	486.7	484.9	484.7	484.9	482.7	482.9	482.0	483.4	483.7	485.2	484.0
35°	451.4	450.4	448.6	448.4	448.6	448.4	448.4	449.4	449.2	450.7	450.1
37.5°	415.1	414.6	412.9	413.3	412.4	414.1	414.6	414.1	415.9	415.3	415.1
40°	379.6	378.8	377.8	379.8	378.5	377.6	379.3	377.8	378.3	379.8	379.8
42.5°	343.5	342.3	342.3	342.3	342.0	342.0	342.8	343.5	343.0	343.2	345.2
45°	307.2	306.9	306.2	306.7	306.4	307.7	307.7	308.2	309.3	310.2	309.7
47.5°	272.1	271.6	272.4	271.9	272.1	271.4	271.9	273.4	274.7	272.9	274.7
50°	239.3	238.4	238.1	238.8	238.6	238.4	238.8	238.8	238.4	238.4	240.1
52.5°	208.0	207.1	206.3	207.5	206.8	207.1	206.0	206.0	206.6	206.0	205.3
55°	178.7	178.0	177.0	177.5	176.3	176.0	175.0	175.0	174.3	173.8	172.3
57.5°	150.7	150.2	148.0	147.8	148.0	146.2	144.5	143.7	141.7	141.2	141.0
60°	126.0	123.2	121.9	120.5	119.4	118.7	116.7	115.4	112.4	110.6	110.4
62.5°	100.2	98.9	97.4	95.2	94.7	92.1	90.1	86.8	85.4	83.1	80.9
65°	79.3	76.1	73.8	72.6	70.6	68.3	66.1	62.6	60.8	58.1	55.8
67.5°	58.1	55.3	52.4	51.3	49.6	46.9	44.5	41.6	40.1	37.5	36.8
70°	39.8	37.3	35.0	33.5	32.3	29.5	27.3	26.3	24.7	24.3	24.3
72.5°	25.5	23.3	20.7	20.0	19.0	17.6	16.1	15.5	16.1	15.8	15.8
75°	14.3	13.0	11.3	10.5	10.5	10.0	9.7	9.7	9.7	9.7	9.7
77.5°	7.3	6.6	6.0	5.7	5.7	5.7	6.0	6.0	6.0	6.2	6.0
80°	3.5	3.3	3.3	3.3	3.5	3.5	3.5	3.5	3.5	3.8	3.5
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	2.0	2.0	2.0	2.0	2.0
85°	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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°	744.8	744.8	744.8	744.8	744.8	744.8	744.8	744.8
2.5°	739.3	738.9	738.9	738.5	738.5	738.5	738.5	738.9
5°	731.4	731.0	731.0	730.6	730.6	730.6	730.6	730.6
7.5°	720.6	720.0	720.2	719.8	719.8	720.0	719.8	719.5
10°	707.2	707.0	707.2	707.2	706.8	706.5	706.8	707.0
12.5°	692.2	692.0	691.5	691.8	691.8	691.5	691.3	690.7
15°	674.8	674.5	674.2	674.0	673.7	674.0	673.7	673.2
17.5°	654.3	654.3	653.9	653.7	653.4	653.0	653.2	653.9
20°	632.1	631.9	631.4	631.6	630.7	630.1	630.5	631.2
22.5°	606.9	606.1	606.7	605.9	605.9	606.1	605.9	605.4
25°	579.4	578.3	578.8	579.1	579.1	578.8	578.6	578.8
27.5°	548.8	549.5	549.5	549.0	549.8	548.8	549.3	549.5
30°	517.5	516.8	516.5	517.5	519.0	517.7	517.7	518.0
32.5°	485.2	484.2	484.2	484.7	484.5	484.5	485.5	484.2
35°	450.7	451.2	449.2	450.4	450.9	450.4	450.7	450.7
37.5°	415.9	415.3	415.3	415.3	416.1	416.1	416.6	416.4
40°	381.6	380.5	380.3	380.9	379.8	380.5	380.5	379.8
42.5°	344.5	344.8	346.0	344.8	345.0	344.8	344.3	344.0
45°	310.2	310.9	310.4	310.2	310.4	309.5	309.7	310.4
47.5°	273.9	275.4	273.9	274.9	274.7	274.1	273.6	272.7
50°	239.9	240.4	240.1	239.9	239.6	239.3	238.1	237.3
52.5°	205.1	205.1	205.1	205.1	202.5	203.8	203.3	201.8
55°	171.0	171.8	170.7	170.7	169.0	169.0	168.5	168.8
57.5°	138.2	137.5	136.6	136.6	135.0	134.2	133.5	132.4
60°	107.7	106.9	105.9	104.6	102.9	102.9	102.4	100.4
62.5°	78.9	77.6	76.9	75.8	74.4	73.4	72.6	73.1
65°	54.0	52.8	51.8	51.8	51.8	51.3	51.1	51.1
67.5°	35.5	36.3	35.9	36.3	36.3	35.9	35.5	36.1
70°	24.5	24.5	24.3	24.3	24.3	24.3	24.0	24.3
72.5°	15.8	15.8	15.8	16.1	15.8	15.8	16.1	16.1
75°	10.0	10.0	10.0	10.3	10.0	10.0	10.3	10.0
77.5°	6.0	6.2	6.2	6.2	6.2	6.0	6.2	6.2
80°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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)