

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: P844085

Luminaire Tested: **LD6C15DE010B50 EU6C15B50 6LBLWWLI**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844085  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C15DE010B50 EU6C15B50 6LBLWWLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

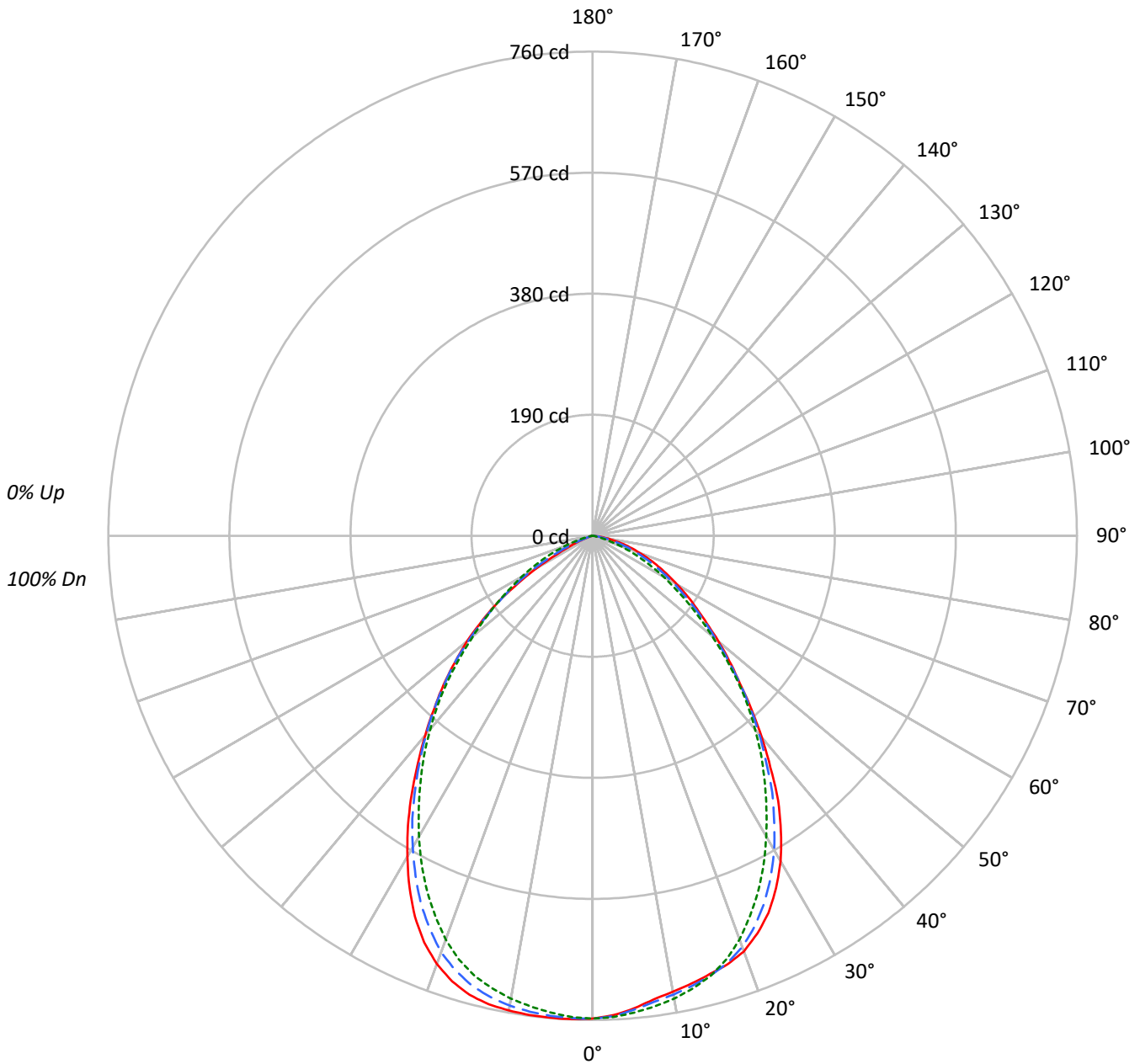
Lumens per Lamp: N/A  
Luminaire Lumens: 1393.9 lumens  
Efficiency: N/A  
Efficacy: 82.0 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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	108	104	101	109	105	102	100	101	99	97	98	96	94	94	92	91	89																			
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78																			
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69																			
4	89	79	71	66	87	77	71	65	75	69	64	73	68	64	71	66	63	61																			
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54																			
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49																			
7	72	60	52	47	70	59	52	46	58	51	46	56	50	46	55	50	46	44																			
8	67	55	48	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40																			
9	63	51	44	39	62	50	43	38	49	43	38	48	42	38	47	42	38	36																			
10	59	47	40	35	58	47	40	35	46	40	35	45	39	35	44	39	35	33																			

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

	0°	90°	180°
0°	41548	41548	41548
5°	40981	41338	41795
10°	40436	41065	42122
15°	40415	40590	42350
20°	40504	39338	41706
25°	39516	37200	39910
30°	37360	34493	36803
35°	33970	31507	33147
40°	29534	28367	29262
45°	25313	24871	25662
50°	21952	20844	21893
55°	19058	17328	17232
60°	16775	14034	10898
65°	14710	10663	5228
70°	12646	7069	1939
75°	10273	2987	530
80°	6945	695	221
85°	2830	126	126



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.4	5.1
10°-20°	203.3	14.6
20°-30°	291.4	20.9
30°-40°	303.7	21.8
40°-50°	251.6	18.0
50°-60°	166.8	12.0
60°-70°	80.8	5.8
70°-80°	22.9	1.6
80°-90°	2.2	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°	566.1	40.6
0°-40°	869.8	62.4
0°-60°	1288.1	92.4
0°-90°	1393.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1393.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	758	758	758	758	758	
5°	745	747	751	756	760	70
15°	712	715	715	731	746	201
25°	653	637	615	638	660	299
35°	508	492	471	485	495	315
45°	326	326	321	329	331	254
55°	199	193	181	178	180	180
65°	113	102	82	56	40	113
75°	48	37	14	3	2	52
85°	4	2	0	0	0	7
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°	757.9	757.9	757.9	757.9	757.9	757.9	757.9	757.9	757.9	757.9	757.9
2.5°	753.2	753.5	754.0	753.5	753.7	754.0	754.0	754.2	754.2	754.4	754.7
5°	744.7	745.4	745.4	745.4	745.4	745.6	745.9	745.9	745.6	745.6	746.7
7.5°	733.9	734.6	734.4	734.6	734.9	735.7	735.4	735.9	736.4	737.2	738.1
10°	726.4	726.7	726.4	727.1	727.7	728.2	728.2	728.6	729.1	729.9	731.1
12.5°	719.6	719.9	720.1	720.7	721.1	720.9	721.4	721.9	722.2	722.7	723.4
15°	712.1	713.4	713.2	713.4	713.6	713.9	714.1	714.4	714.1	714.1	714.6
17.5°	705.1	705.3	705.7	705.7	705.7	705.7	705.1	705.1	704.4	703.6	703.1
20°	694.3	694.1	693.6	693.6	692.6	692.9	691.8	691.4	690.1	688.3	686.6
22.5°	675.6	676.8	676.4	674.6	673.6	673.6	672.5	670.3	668.3	666.3	664.1
25°	653.3	652.8	652.0	651.1	649.5	648.5	647.1	645.5	642.3	638.8	636.8
27.5°	623.5	624.2	622.5	620.9	620.2	618.7	617.2	615.2	611.2	608.2	604.8
30°	590.2	589.7	589.4	587.4	585.4	585.9	583.0	580.6	577.7	572.7	569.9
32.5°	550.1	550.9	549.3	549.1	545.3	544.9	544.9	541.4	538.9	534.1	530.3
35°	507.6	507.0	506.5	504.8	504.6	503.0	501.8	499.3	496.0	494.5	491.5
37.5°	458.5	458.7	459.0	459.0	458.0	457.0	455.9	455.9	451.5	450.8	447.2
40°	412.7	413.4	413.1	411.4	411.6	411.9	411.6	411.4	408.7	407.6	407.2
42.5°	368.1	369.3	368.1	367.8	368.1	368.1	367.6	368.4	367.1	368.1	365.8
45°	326.5	327.5	326.8	326.5	326.1	327.2	325.8	327.0	326.3	325.0	325.5
47.5°	290.7	289.7	290.7	290.2	289.5	288.4	290.0	289.2	287.5	287.3	287.7
50°	257.4	256.9	257.4	257.1	255.9	255.9	255.6	255.2	254.7	253.2	252.1
52.5°	225.6	227.4	226.1	227.4	225.6	224.9	225.1	224.3	223.4	222.8	220.8
55°	199.4	199.6	199.6	199.6	198.5	198.1	197.6	197.0	197.0	194.8	192.8
57.5°	176.5	176.0	175.8	175.0	174.5	174.0	173.6	172.0	170.5	168.5	167.0
60°	153.0	153.5	153.5	152.5	151.8	151.0	150.7	149.8	148.0	146.0	143.7
62.5°	132.7	133.3	132.0	132.0	130.4	130.2	130.2	128.7	126.7	124.5	121.9
65°	113.4	113.2	113.7	111.9	112.2	110.6	110.2	109.5	107.5	104.7	102.4
67.5°	95.2	95.6	94.9	94.4	93.4	92.9	92.4	90.1	89.2	86.6	84.1
70°	78.9	78.4	77.8	77.8	76.9	76.1	75.8	73.4	72.1	70.1	67.4
72.5°	63.6	63.1	62.6	61.9	61.1	60.8	59.3	57.9	56.4	53.8	51.8
75°	48.5	48.3	47.8	47.3	46.1	45.6	45.4	43.6	40.8	38.8	37.0
77.5°	35.0	35.3	34.3	33.3	32.6	31.8	31.3	29.8	28.0	25.8	24.0
80°	22.0	22.3	22.0	21.3	20.3	20.0	19.2	18.3	16.8	15.2	14.1
82.5°	11.7	11.7	11.5	11.3	10.5	10.5	10.0	9.3	8.5	7.7	6.8
85°	4.5	4.5	4.2	4.0	3.8	3.8	3.5	3.3	2.7	2.5	2.0
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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°	757.9	757.9	757.9	757.9	757.9	757.9	757.9	757.9	757.9	757.9	757.9
2.5°	754.7	754.9	755.2	755.5	755.5	755.5	755.7	756.0	756.0	756.2	756.4
5°	747.2	747.4	748.2	748.5	748.9	748.7	749.4	750.2	750.7	751.2	752.0
7.5°	738.7	739.4	740.4	741.2	741.4	741.7	742.5	743.4	744.2	745.2	745.9
10°	731.7	732.4	733.4	734.4	734.4	734.9	735.4	736.2	737.0	737.7	738.7
12.5°	724.0	724.9	725.1	725.6	725.6	725.9	726.4	726.7	727.4	727.7	729.1
15°	714.6	714.6	714.6	714.6	714.6	714.4	713.9	714.4	714.4	715.2	715.9
17.5°	701.8	701.8	700.4	699.6	699.8	698.6	698.4	697.4	697.4	697.4	698.1
20°	685.1	682.8	681.1	678.8	677.8	677.3	676.8	674.6	674.3	674.3	674.3
22.5°	661.3	658.8	656.3	654.6	651.8	650.8	649.8	648.3	646.5	645.5	647.8
25°	632.3	629.3	626.2	622.7	622.0	620.7	618.2	616.7	616.0	615.0	615.4
27.5°	601.5	597.2	594.0	590.5	589.2	587.7	585.4	583.2	580.6	581.2	581.2
30°	566.2	561.2	557.6	553.4	553.1	551.7	549.7	546.9	544.9	544.9	546.2
32.5°	527.9	524.4	521.1	516.3	515.6	514.5	513.1	510.5	509.0	507.6	508.5
35°	489.0	483.6	481.2	478.3	478.5	475.7	473.5	472.0	472.2	470.8	471.5
37.5°	447.2	444.0	440.7	439.4	438.2	436.7	435.6	434.7	434.2	434.2	433.7
40°	404.9	403.2	401.7	401.2	398.8	399.4	399.2	398.4	396.9	396.4	397.9
42.5°	365.1	363.3	362.6	361.3	361.1	360.3	360.3	359.6	359.3	359.6	359.3
45°	324.1	323.7	322.0	322.0	323.0	322.3	320.3	321.5	321.5	320.8	322.3
47.5°	286.2	286.4	285.5	283.4	283.4	282.2	280.7	282.0	282.7	281.4	282.2
50°	251.9	250.4	248.4	246.9	247.6	247.2	245.9	244.8	244.1	244.4	245.4
52.5°	219.4	218.6	216.4	214.6	214.1	214.4	212.8	211.3	211.6	211.3	210.8
55°	190.1	190.1	187.1	186.2	184.2	184.2	182.3	182.0	181.3	181.3	180.0
57.5°	164.8	162.6	160.8	159.0	158.2	157.3	156.5	154.7	154.0	152.5	152.2
60°	141.5	138.8	137.5	135.5	134.0	132.9	131.7	130.2	129.2	128.0	126.5
62.5°	120.7	117.7	115.2	113.2	111.9	111.7	109.7	107.9	105.9	104.4	102.0
65°	99.9	98.1	95.4	92.6	92.1	90.9	88.8	86.9	84.4	82.2	80.6
67.5°	81.6	79.4	76.9	75.4	73.6	72.7	70.3	67.4	64.6	62.4	59.5
70°	65.4	62.1	59.9	57.3	56.8	54.6	52.6	49.6	47.1	44.1	40.1
72.5°	49.1	45.8	44.1	41.6	40.1	38.8	36.1	33.3	29.3	27.1	23.6
75°	34.6	31.8	29.3	26.8	25.8	24.0	21.8	18.8	16.3	14.1	11.5
77.5°	21.6	19.8	17.6	15.5	14.5	13.5	11.7	9.5	7.7	6.0	4.5
80°	12.3	10.8	9.3	7.7	7.3	6.8	5.3	4.0	3.3	2.2	1.5
82.5°	5.7	4.8	4.0	3.3	3.0	2.5	1.8	1.3	0.7	0.5	0.2
85°	1.8	1.3	1.0	0.7	0.5	0.5	0.2	0.2	0.2	0.2	0.2
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):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	757.9	757.9	757.9	757.9	757.9	757.9	757.9	757.9	757.9	757.9	757.9
2.5°	756.4	756.7	756.9	756.9	756.9	757.2	757.2	757.7	757.9	758.2	758.2
5°	752.4	753.2	753.7	754.0	754.2	754.9	755.2	756.0	756.4	756.9	757.5
7.5°	746.9	747.6	748.7	749.2	749.7	750.7	751.4	752.7	753.5	754.4	755.5
10°	739.9	740.9	742.5	742.9	743.4	744.7	746.2	747.6	748.9	750.4	751.7
12.5°	729.7	731.1	732.9	733.4	734.2	735.9	737.7	739.9	741.7	743.7	745.6
15°	716.9	718.9	720.1	720.7	721.6	724.2	725.9	728.4	731.1	734.2	736.4
17.5°	699.1	700.2	702.4	703.3	704.6	707.1	709.9	712.8	715.4	718.7	722.2
20°	675.8	677.3	680.1	681.1	682.6	684.8	688.8	691.4	695.4	699.3	701.8
22.5°	646.7	649.5	652.2	653.5	654.6	657.3	660.1	664.3	667.6	673.1	676.4
25°	616.7	617.4	619.8	622.0	622.5	626.0	629.3	634.3	637.5	641.0	645.5
27.5°	582.1	583.2	586.7	587.2	587.4	591.2	594.9	598.9	601.7	605.7	607.9
30°	546.2	547.9	549.3	550.4	552.1	553.9	557.4	562.3	564.4	567.9	570.9
32.5°	509.4	509.4	512.8	513.1	514.1	518.0	520.0	523.1	526.6	529.3	529.1
35°	472.8	473.7	475.0	476.8	477.5	480.1	480.8	483.0	485.2	487.3	489.8
37.5°	434.9	434.9	437.6	438.9	439.7	440.9	442.2	444.4	445.7	446.4	447.9
40°	398.8	399.9	400.4	400.8	400.8	402.6	403.6	405.4	406.1	408.1	407.2
42.5°	362.3	361.8	362.0	363.3	363.6	364.6	365.3	366.4	367.3	366.8	368.6
45°	323.5	323.7	324.3	324.3	325.0	326.3	327.5	328.0	328.8	330.0	330.3
47.5°	282.9	284.2	283.4	285.5	286.0	286.2	289.2	289.5	292.0	292.4	292.4
50°	245.2	245.2	246.6	247.4	247.9	248.6	249.6	250.7	251.4	253.2	253.6
52.5°	211.1	211.6	211.6	210.8	211.6	211.6	214.1	214.4	214.1	214.6	215.3
55°	180.5	180.7	179.3	180.3	180.0	179.3	179.8	178.3	178.0	178.7	178.3
57.5°	151.2	150.3	150.0	148.7	148.7	147.4	146.3	146.3	145.2	143.5	143.2
60°	124.9	123.4	122.5	121.7	119.7	118.5	116.7	115.2	113.2	110.9	109.7
62.5°	100.2	98.4	96.4	95.4	93.9	90.9	88.6	86.4	83.1	81.1	79.1
65°	78.2	75.4	72.1	70.6	69.1	66.3	63.4	59.5	56.4	53.6	50.1
67.5°	56.6	53.6	50.3	48.1	46.5	43.4	39.8	36.6	32.8	29.8	28.0
70°	37.0	33.3	30.2	28.6	27.1	23.8	20.5	17.8	16.1	15.2	15.0
72.5°	21.0	17.2	15.0	13.2	12.1	9.7	8.0	7.0	6.6	6.2	5.7
75°	9.0	6.8	5.3	4.2	3.8	3.0	2.7	2.7	2.7	2.5	2.5
77.5°	3.3	2.2	1.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	1.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0
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):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	757.9	757.9	757.9	757.9	757.9	757.9	757.9	757.9
2.5°	758.4	759.0	759.0	759.2	759.5	759.5	759.5	759.5
5°	757.9	758.4	758.7	759.0	759.2	759.5	759.5	759.5
7.5°	756.0	756.9	757.2	757.7	758.2	758.4	758.4	758.7
10°	752.9	754.0	754.7	755.2	755.7	756.2	756.7	756.7
12.5°	747.4	748.9	750.0	750.4	751.7	752.2	752.7	753.2
15°	738.4	740.4	741.7	742.7	743.7	745.2	745.4	746.2
17.5°	724.9	727.7	728.2	729.7	730.9	733.4	733.2	733.4
20°	705.3	708.4	709.4	710.8	712.8	714.6	716.1	714.9
22.5°	679.3	682.8	684.3	685.9	687.0	688.6	690.6	690.8
25°	648.5	651.5	652.8	653.8	656.3	657.5	659.5	659.8
27.5°	613.2	615.0	616.7	617.2	620.0	620.7	622.5	622.5
30°	573.1	575.1	577.2	577.9	578.6	579.4	580.6	581.4
32.5°	532.1	534.1	534.8	536.1	536.3	537.6	537.1	539.1
35°	491.1	491.5	492.3	492.0	493.8	493.5	495.5	495.3
37.5°	449.7	449.2	450.4	451.7	451.2	450.8	451.5	450.2
40°	408.4	408.7	408.9	410.2	408.9	409.6	409.2	408.9
42.5°	369.9	369.9	368.4	369.9	368.8	368.4	369.3	367.8
45°	330.7	330.5	330.7	331.0	331.0	331.0	330.0	331.0
47.5°	293.7	293.9	293.0	294.8	294.2	293.2	293.2	292.4
50°	254.4	255.9	257.6	256.2	257.4	256.7	255.9	256.7
52.5°	217.1	218.1	216.8	217.1	219.9	219.9	218.3	218.1
55°	177.3	177.3	177.8	178.0	178.3	181.5	179.8	180.3
57.5°	141.7	141.7	141.0	142.5	141.5	140.2	141.5	138.2
60°	107.7	107.5	106.7	105.7	103.1	102.4	99.6	99.4
62.5°	76.6	73.8	72.9	70.9	68.1	67.4	64.6	64.3
65°	47.6	44.3	43.4	42.3	41.0	40.8	39.8	40.3
67.5°	27.1	26.5	26.3	25.5	25.1	24.5	24.5	24.3
70°	14.3	13.2	13.0	12.8	12.8	11.7	11.5	12.1
72.5°	5.5	5.0	5.0	5.0	4.8	4.8	4.8	4.8
75°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.2
87.5°	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



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















(END OF REPORT)