

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: P844083

Luminaire Tested: **LD6C15DE010B2750 EU6C15B50 6LBDWWLI**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844083  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C15DE010B2750 EU6C15B50 6LBLDWWLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

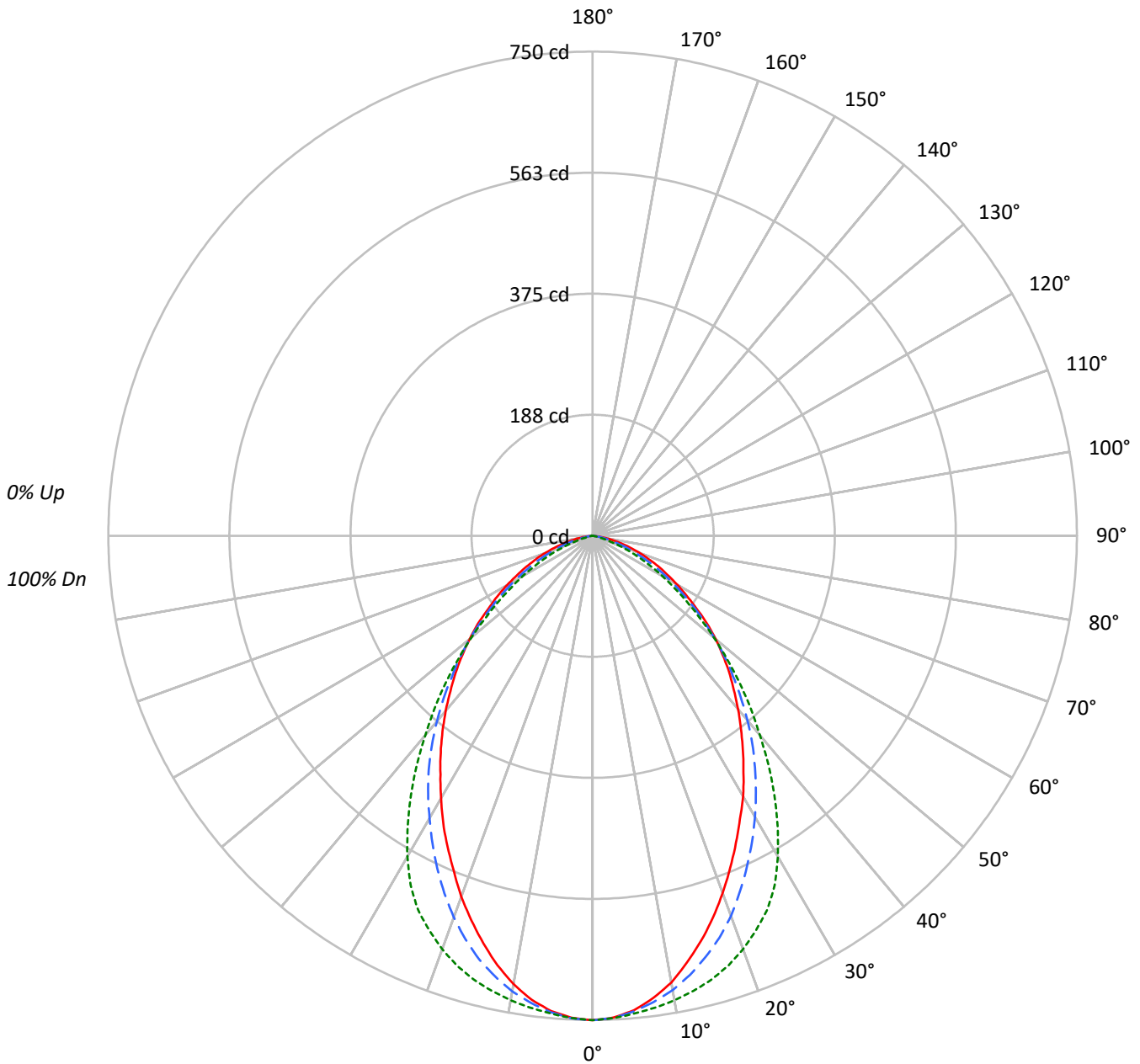
Lumens per Lamp: N/A  
Luminaire Lumens: 1343.2 lumens  
Efficiency: N/A  
Efficacy: 79.0 lumens/watt  
Spacing Criteria (0/90/45): 0.97 / 1.15 / 1.13  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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				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	108	105	102	99	101	98	96	97	95	93	93	92	90	88				88
2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	85	82	79	77				77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	77	73	69	67				67
4	88	77	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59				59
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53				53
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47				47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	54	48	44	42				42
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38				38
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35				35
10	59	46	39	34	57	46	39	34	45	39	34	44	38	34	43	38	34	32				32

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

	0°	90°	180°
0°	41137	41137	41137
5°	40590	40881	40661
10°	39105	40669	39261
15°	36856	40386	37100
20°	34350	39758	34711
25°	31762	38694	32149
30°	29498	36322	29707
35°	27144	32846	27452
40°	25083	28811	25319
45°	23173	24902	23250
50°	21193	20869	21176
55°	18733	17051	18800
60°	16534	13683	16775
65°	14554	10170	14658
70°	12262	6395	12566
75°	9722	2711	9976
80°	6472	631	6945
85°	2642	126	3145



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.9	5.2
10°-20°	190.8	14.2
20°-30°	263.4	19.6
30°-40°	277.1	20.6
40°-50°	238.6	17.8
50°-60°	169.9	12.6
60°-70°	95.8	7.1
70°-80°	33.9	2.5
80°-90°	3.8	0.3
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°	524.1	39.0
0°-40°	801.2	59.6
0°-60°	1209.6	90.1
0°-90°	1343.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1343.2	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	750	750	750	750	750	
5°	738	739	743	741	739	69
15°	649	676	712	679	654	182
25°	525	566	640	569	532	242
35°	406	438	491	443	410	254
45°	299	308	321	308	300	230
55°	196	189	178	189	197	177
65°	112	96	78	97	113	111
75°	46	31	13	31	47	50
85°	4	2	0	2	5	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°	750.4	750.4	750.4	750.4	750.4	750.4	750.4	750.4	750.4	750.4	750.4
2.5°	747.1	747.4	747.4	747.6	747.4	747.4	747.6	747.6	747.4	747.6	747.6
5°	737.6	737.4	737.6	737.9	738.7	738.7	738.3	738.3	739.1	738.9	739.4
7.5°	722.0	722.0	722.8	723.3	723.3	723.5	724.1	725.1	726.1	726.4	728.1
10°	702.5	702.8	702.5	703.5	704.3	705.5	705.3	707.0	708.8	711.3	714.5
12.5°	676.7	677.5	679.0	679.0	681.2	682.5	682.3	686.3	689.5	692.5	696.6
15°	649.4	649.2	650.4	652.5	654.7	656.5	657.2	662.4	665.7	670.8	675.7
17.5°	620.1	619.4	621.4	622.6	626.3	628.7	630.1	634.7	639.9	645.9	652.7
20°	588.8	590.1	590.6	592.3	597.4	599.0	601.6	606.6	611.8	618.8	626.6
22.5°	556.7	558.4	559.5	561.7	565.7	567.2	569.7	577.0	582.8	589.0	596.3
25°	525.1	527.1	528.9	531.7	534.4	536.6	539.9	544.9	551.5	557.3	565.5
27.5°	494.3	496.0	496.6	499.8	503.1	506.1	507.9	513.9	519.4	526.4	534.4
30°	466.0	465.0	466.3	469.1	472.8	474.8	477.8	481.8	487.8	494.5	502.8
32.5°	434.9	434.9	436.9	440.2	443.3	444.7	445.7	451.2	457.2	463.8	470.5
35°	405.6	406.7	408.4	410.4	413.6	414.9	417.1	421.1	425.9	433.2	438.2
37.5°	377.4	378.1	379.8	381.8	384.3	386.9	387.8	392.1	395.7	401.6	406.3
40°	350.5	350.8	352.7	353.6	355.8	356.7	358.7	361.1	366.0	368.6	373.0
42.5°	323.4	324.7	325.4	327.2	327.4	329.5	330.5	331.3	335.3	336.8	339.3
45°	298.9	298.9	299.6	299.6	300.9	300.2	301.6	303.1	303.4	305.9	307.5
47.5°	273.4	272.6	273.6	273.4	273.1	273.1	273.6	273.8	274.6	276.4	277.1
50°	248.5	246.7	246.7	246.5	246.3	247.1	247.1	246.7	246.7	247.6	246.7
52.5°	223.3	222.7	221.5	220.5	220.0	220.0	220.0	218.9	218.9	218.5	216.7
55°	196.0	196.7	196.2	195.7	195.5	194.7	194.7	193.4	191.4	190.4	189.4
57.5°	172.4	173.3	173.3	172.4	171.1	170.6	169.3	168.6	166.9	165.1	163.1
60°	150.8	152.1	150.3	149.5	149.3	148.6	148.1	145.3	143.5	141.8	139.5
62.5°	130.3	130.8	129.6	128.8	128.1	127.2	127.0	124.8	121.7	119.5	116.8
65°	112.2	111.5	110.9	109.8	108.5	107.5	107.5	104.5	101.7	99.0	96.2
67.5°	93.5	93.9	93.2	92.2	90.2	89.2	87.7	85.7	83.1	80.4	77.2
70°	76.5	76.1	75.4	74.5	73.2	71.4	70.1	69.2	65.7	62.4	59.7
72.5°	60.9	60.6	59.9	58.6	56.9	56.2	55.1	52.6	49.8	47.1	44.1
75°	45.9	46.1	44.8	44.3	42.3	41.6	41.4	38.3	36.1	33.5	30.8
77.5°	32.8	32.8	31.5	30.6	29.6	29.1	28.0	26.3	24.5	22.0	19.8
80°	20.5	20.5	20.5	19.6	18.5	18.1	17.2	16.1	14.3	12.8	11.3
82.5°	11.0	11.0	10.5	10.3	9.7	9.3	9.0	8.6	7.3	6.6	5.5
85°	4.2	4.2	4.0	4.0	3.5	3.5	3.3	3.0	2.5	2.2	2.0
87.5°	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2	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°	750.4	750.4	750.4	750.4	750.4	750.4	750.4	750.4	750.4	750.4	750.4
2.5°	747.9	747.9	747.6	747.9	747.9	747.9	747.9	747.9	747.9	747.9	748.2
5°	739.8	740.7	740.9	741.1	741.6	741.8	742.1	742.4	742.7	742.9	742.9
7.5°	729.6	731.4	732.6	733.9	734.3	734.8	735.6	736.6	737.4	737.4	737.1
10°	717.3	719.6	722.0	724.4	725.1	726.4	727.5	729.1	730.3	730.6	730.6
12.5°	701.3	703.7	708.3	712.1	713.6	715.3	717.8	720.0	721.3	722.0	721.8
15°	681.2	686.5	692.8	697.0	699.0	702.1	706.1	708.5	710.5	711.6	711.0
17.5°	659.4	666.2	673.0	678.7	681.5	684.5	690.0	694.5	697.5	698.2	697.7
20°	634.7	642.2	649.4	656.7	660.5	664.0	669.7	675.5	680.5	681.5	680.7
22.5°	605.1	613.6	622.3	630.7	634.9	638.2	646.4	652.9	658.7	661.2	659.4
25°	574.5	583.5	592.8	600.1	604.9	610.4	617.9	625.4	632.4	639.7	633.1
27.5°	541.9	550.2	560.0	570.0	574.5	578.5	586.2	595.8	603.1	610.4	603.1
30°	509.4	519.9	528.6	537.4	542.5	547.2	554.9	562.8	569.7	573.8	569.2
32.5°	478.8	486.5	495.3	503.9	507.3	511.2	517.6	524.9	531.7	532.9	529.9
35°	446.7	453.5	460.7	466.3	470.5	474.6	480.3	484.8	486.5	490.8	487.8
37.5°	410.4	416.4	422.9	427.0	430.7	433.9	438.2	442.2	443.7	447.0	444.7
40°	376.1	381.1	384.9	389.1	391.1	394.4	396.1	399.4	401.2	402.6	402.9
42.5°	343.0	345.7	348.5	351.6	352.3	353.0	357.3	359.5	361.3	362.2	360.8
45°	309.1	311.9	313.0	315.2	316.4	317.0	318.7	319.0	319.4	321.2	320.5
47.5°	278.4	278.6	279.3	280.4	280.9	280.9	281.9	280.9	281.3	281.6	282.1
50°	246.0	247.8	246.0	247.1	247.3	247.1	246.3	245.8	245.1	244.7	244.5
52.5°	215.4	215.8	214.7	214.0	213.2	213.4	211.4	210.5	210.7	209.2	211.0
55°	187.6	186.7	184.5	183.6	181.9	181.6	181.4	180.1	178.1	178.4	178.8
57.5°	160.9	159.1	156.8	155.6	155.0	153.0	152.8	150.8	149.5	149.3	149.3
60°	136.5	135.1	132.8	130.5	128.8	127.8	126.5	124.5	125.0	124.8	123.5
62.5°	113.5	111.8	108.5	106.0	105.0	104.2	102.5	101.0	100.3	101.0	100.3
65°	93.0	90.2	86.4	84.0	83.7	82.7	80.7	79.6	78.9	78.4	79.2
67.5°	73.9	70.1	67.9	64.6	63.1	62.6	59.9	58.4	58.6	58.4	58.6
70°	56.4	52.6	49.6	47.1	45.1	44.3	42.8	40.8	40.6	39.9	40.8
72.5°	40.8	37.5	34.8	32.0	30.4	29.3	27.3	25.3	24.9	24.3	24.3
75°	28.0	25.3	22.3	19.8	18.5	17.6	15.5	14.1	12.8	12.8	12.8
77.5°	17.6	15.3	13.0	11.3	10.5	9.5	7.7	6.2	5.7	5.0	5.3
80°	10.0	8.2	7.0	5.7	5.0	4.5	3.5	2.7	2.0	2.0	2.0
82.5°	4.8	4.0	3.0	2.5	2.2	1.8	1.3	1.0	0.7	0.5	0.5
85°	1.5	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°	750.4	750.4	750.4	750.4	750.4	750.4	750.4	750.4	750.4	750.4	750.4
2.5°	747.9	748.2	747.9	748.2	747.9	748.4	748.4	748.2	748.2	748.2	747.9
5°	742.7	742.7	742.4	742.4	742.4	742.1	741.4	741.4	740.9	740.7	740.1
7.5°	736.9	736.3	735.6	735.4	734.6	733.9	732.3	731.1	730.1	728.8	727.5
10°	729.9	728.6	727.1	726.1	725.5	723.8	721.6	718.6	716.5	714.3	711.8
12.5°	720.8	719.3	716.5	714.5	713.3	710.1	706.8	703.0	699.0	695.0	692.5
15°	709.0	706.5	703.0	701.0	698.8	694.2	688.5	683.2	679.2	674.8	668.7
17.5°	695.3	691.5	686.7	683.4	680.7	674.8	668.0	661.2	655.2	649.7	643.7
20°	676.3	671.7	666.0	661.7	658.9	651.2	643.9	635.8	628.7	622.1	615.1
22.5°	653.9	646.4	640.6	635.6	632.7	623.9	615.9	607.3	599.6	593.8	586.2
25°	625.9	618.6	611.3	607.3	602.5	593.3	585.0	576.3	569.0	561.7	554.7
27.5°	596.1	587.5	579.5	574.7	570.5	561.5	553.2	545.2	537.0	528.9	522.7
30°	563.5	554.9	548.7	542.7	537.9	530.6	520.4	512.3	505.1	497.8	491.3
32.5°	527.1	520.1	512.6	509.6	506.1	497.3	489.4	481.5	474.2	467.1	460.3
35°	485.0	479.5	475.0	471.8	469.5	461.8	455.5	447.3	442.7	435.4	430.5
37.5°	442.0	439.2	436.2	432.1	429.0	424.4	420.6	413.9	408.7	403.4	397.9
40°	400.6	397.6	393.7	391.6	390.9	386.9	381.6	378.1	375.0	370.3	367.3
42.5°	360.3	358.7	354.7	353.8	352.7	349.2	346.8	343.7	341.7	338.2	336.8
45°	319.2	319.0	317.9	317.0	316.4	313.9	313.5	309.7	307.9	307.1	305.7
47.5°	282.9	282.1	280.6	282.1	279.8	279.6	279.6	278.9	278.2	276.1	275.8
50°	245.8	247.1	247.3	246.5	248.0	247.8	246.5	246.7	247.3	248.3	246.7
52.5°	211.7	212.7	214.5	213.7	215.0	216.2	215.8	217.8	216.9	218.0	220.0
55°	179.4	182.1	183.9	183.2	184.1	185.6	186.1	187.9	189.4	191.1	192.4
57.5°	151.6	152.3	154.8	155.6	155.8	157.1	159.6	162.3	164.1	165.3	166.6
60°	124.3	126.8	128.5	128.5	130.5	132.3	134.5	137.1	139.1	142.0	144.4
62.5°	101.2	101.7	104.2	104.5	106.0	108.9	110.7	114.5	117.0	120.3	123.3
65°	78.9	81.2	82.7	82.9	85.1	87.5	89.9	93.5	97.0	99.7	102.5
67.5°	59.1	60.4	62.4	64.1	64.6	67.9	71.7	74.9	77.9	80.4	84.0
70°	41.4	42.3	45.1	46.1	47.6	50.1	53.1	56.6	60.2	63.7	66.4
72.5°	25.3	27.6	29.3	30.8	32.0	35.1	38.3	41.4	44.3	47.4	50.9
75°	14.1	15.5	17.6	19.0	20.3	22.5	25.6	28.6	31.3	34.1	36.6
77.5°	6.2	7.7	9.5	10.5	11.5	13.5	15.8	18.3	20.5	22.5	24.9
80°	2.5	3.5	4.5	5.3	5.7	7.0	8.8	10.0	11.5	13.3	15.0
82.5°	1.0	1.3	1.8	2.2	2.5	3.3	4.0	4.8	6.0	6.8	7.7
85°	0.2	0.2	0.5	0.5	0.7	1.0	1.3	1.8	2.0	2.2	2.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.5
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°	750.4	750.4	750.4	750.4	750.4	750.4	750.4	750.4
2.5°	747.9	747.6	747.6	747.6	747.6	747.4	747.4	747.4
5°	740.3	739.8	739.6	739.6	738.9	739.1	739.1	738.9
7.5°	727.1	726.6	725.9	726.4	726.1	725.3	725.1	724.8
10°	709.8	708.8	708.5	707.3	706.5	706.3	706.3	705.3
12.5°	689.3	686.5	686.3	685.0	683.2	682.3	682.7	681.2
15°	666.4	662.4	660.5	659.4	657.4	655.7	654.1	653.7
17.5°	638.6	634.2	632.7	631.6	627.4	627.1	625.1	624.3
20°	609.6	605.6	603.3	601.8	598.5	595.6	595.3	595.0
22.5°	581.3	574.7	572.7	570.5	567.0	564.5	563.0	561.7
25°	549.2	543.9	540.5	538.1	535.7	533.7	531.7	531.5
27.5°	517.1	512.1	509.9	507.9	504.6	502.4	500.4	501.3
30°	485.8	480.8	478.3	476.8	473.5	472.2	468.7	469.3
32.5°	454.8	450.2	448.4	445.5	442.5	440.9	439.7	438.7
35°	425.0	421.1	418.6	416.7	413.9	411.4	410.2	410.2
37.5°	394.6	390.9	389.6	388.0	385.6	382.1	380.9	381.8
40°	363.8	361.1	359.8	358.7	356.3	355.0	353.8	353.8
42.5°	334.5	331.7	331.5	330.5	328.5	327.8	326.7	326.0
45°	304.0	302.7	301.6	301.6	301.4	301.1	300.4	299.9
47.5°	274.6	274.9	274.4	274.1	274.4	273.6	274.6	273.8
50°	247.8	247.3	247.8	247.3	247.6	248.5	247.6	248.3
52.5°	219.2	221.5	221.8	220.7	221.8	222.5	222.9	224.2
55°	194.0	194.7	195.1	196.2	196.7	198.2	196.7	196.7
57.5°	169.3	170.6	171.1	171.9	173.9	173.1	174.4	175.4
60°	147.1	148.6	149.5	150.3	151.0	152.8	153.4	153.0
62.5°	125.2	127.6	127.8	129.8	130.3	131.6	132.5	131.6
65°	105.0	107.0	108.5	109.8	111.3	112.5	112.2	113.0
67.5°	86.4	88.9	90.2	90.7	92.8	93.2	94.4	95.2
70°	69.7	71.4	72.9	73.6	74.9	76.5	77.6	78.4
72.5°	53.1	55.8	57.3	57.9	59.9	60.9	61.3	62.1
75°	39.3	41.6	42.3	43.6	44.6	46.9	46.6	47.1
77.5°	27.3	28.8	30.4	30.4	32.0	32.6	33.8	34.1
80°	16.3	18.1	18.8	19.0	20.3	21.0	21.6	22.0
82.5°	8.6	9.7	9.7	10.3	11.3	11.3	11.5	12.1
85°	3.3	3.8	4.0	4.0	4.2	4.8	4.8	5.0
87.5°	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7
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)