

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: P844017

Luminaire Tested: **LD6C15DE010B2750 EU6C15B27 6LBLWWLI**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844017  
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: LD6C15DE010B2750 EU6C15B27 6LBLWWLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

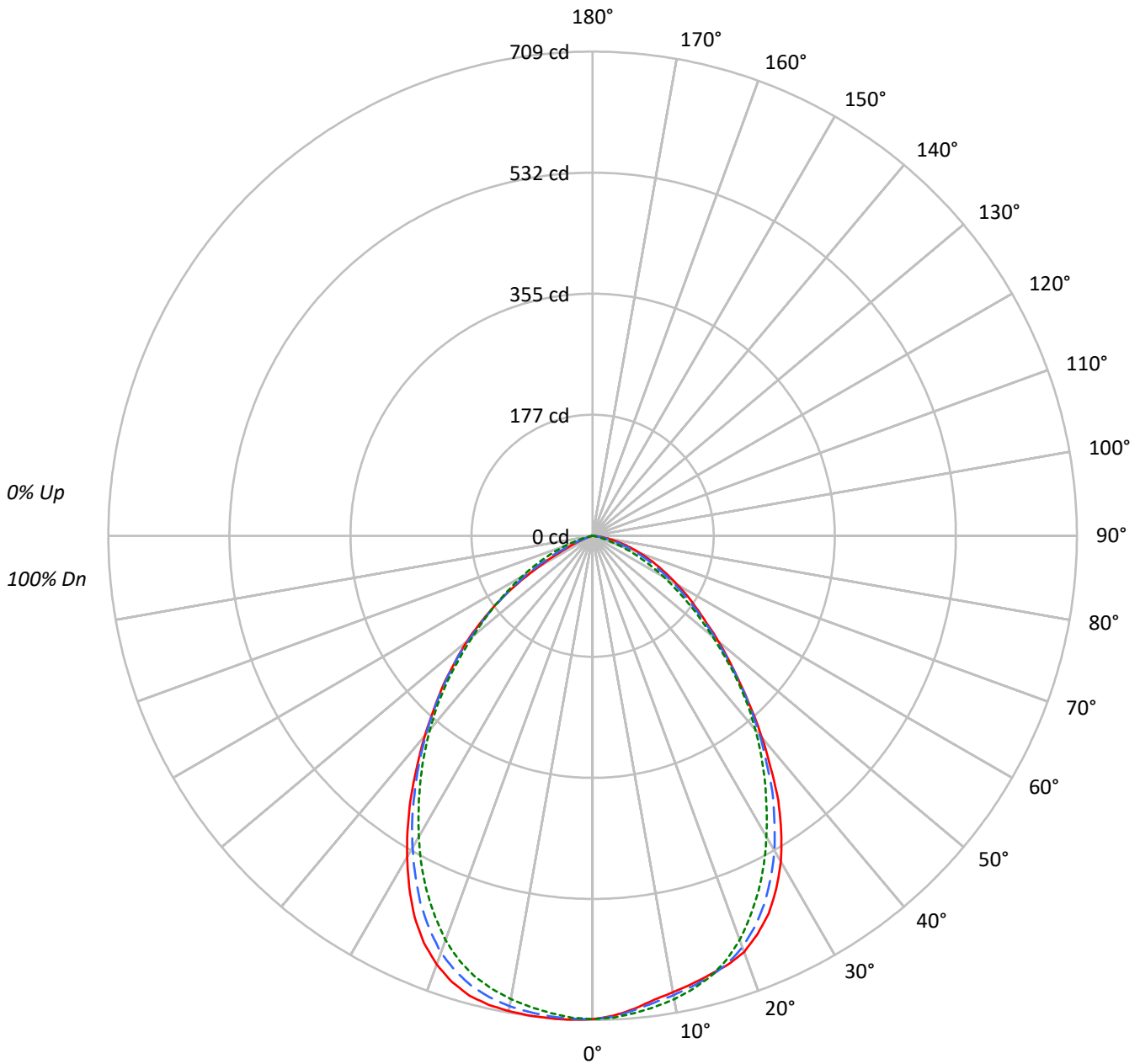
Lumens per Lamp: N/A  
Luminaire Lumens: 1301.9 lumens  
Efficiency: N/A  
Efficacy: 76.6 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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					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								
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°	38807	38807	38807
5°	38273	38609	39038
10°	37769	38348	39339
15°	37747	37906	39558
20°	37832	36742	38953
25°	36903	34744	37278
30°	34891	32214	34379
35°	31722	29426	30959
40°	27580	26492	27330
45°	23638	23227	23964
50°	20503	19462	20451
55°	17787	16181	16095
60°	15668	13102	10186
65°	13750	9949	4890
70°	11813	6588	1795
75°	9616	2775	487
80°	6503	663	221
85°	2642	126	126



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.7	5.1
10°-20°	189.9	14.6
20°-30°	272.2	20.9
30°-40°	283.6	21.8
40°-50°	235.0	18.0
50°-60°	155.8	12.0
60°-70°	75.4	5.8
70°-80°	21.3	1.6
80°-90°	2.1	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°	528.7	40.6
0°-40°	812.4	62.4
0°-60°	1203.1	92.4
0°-90°	1301.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1301.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	708	708	708	708	708	
5°	696	697	702	706	709	66
15°	665	668	668	683	697	188
25°	610	595	574	595	616	279
35°	474	459	440	453	463	294
45°	305	304	300	307	309	237
55°	186	180	169	166	168	168
65°	106	96	77	53	38	106
75°	45	35	13	2	2	49
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°	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.9
2.5°	703.4	703.7	704.2	703.7	704.0	704.2	704.2	704.4	704.4	704.6	704.9
5°	695.5	696.2	696.2	696.2	696.2	696.5	696.7	696.7	696.5	696.5	697.4
7.5°	685.5	686.2	686.0	686.2	686.4	687.1	686.8	687.4	687.8	688.5	689.5
10°	678.5	678.7	678.5	679.1	679.6	680.1	680.1	680.6	681.0	681.8	682.9
12.5°	672.1	672.3	672.7	673.1	673.5	673.3	673.8	674.2	674.5	675.0	675.6
15°	665.1	666.3	666.1	666.3	666.5	666.7	666.9	667.3	666.9	666.9	667.5
17.5°	658.6	658.8	659.0	659.0	659.0	659.0	658.6	658.6	657.8	657.2	656.7
20°	648.5	648.3	647.8	647.8	646.8	647.2	646.2	645.7	644.5	642.9	641.2
22.5°	631.0	632.1	631.7	630.0	629.1	629.1	628.1	626.0	624.2	622.3	620.2
25°	610.1	609.7	609.0	608.0	606.7	605.7	604.3	603.0	599.9	596.6	594.7
27.5°	582.3	583.1	581.4	580.0	579.3	577.9	576.5	574.6	570.9	568.1	564.8
30°	551.2	550.7	550.5	548.7	546.8	547.2	544.5	542.4	539.5	534.8	532.3
32.5°	513.8	514.5	513.1	512.8	509.4	508.9	508.9	505.7	503.3	498.9	495.3
35°	474.0	473.6	473.1	471.5	471.3	469.8	468.6	466.3	463.2	461.9	459.1
37.5°	428.2	428.4	428.7	428.7	427.7	426.9	425.9	425.9	421.7	420.9	417.7
40°	385.4	386.1	385.9	384.2	384.4	384.7	384.4	384.2	381.7	380.7	380.2
42.5°	343.8	345.0	343.8	343.5	343.8	343.8	343.3	344.0	342.9	343.8	341.7
45°	304.9	305.9	305.2	304.9	304.5	305.7	304.3	305.4	304.7	303.5	304.1
47.5°	271.5	270.5	271.5	271.1	270.3	269.4	270.9	270.1	268.5	268.2	268.7
50°	240.4	240.0	240.4	240.2	239.0	239.0	238.8	238.3	237.9	236.5	235.5
52.5°	210.7	212.4	211.2	212.4	210.7	210.0	210.3	209.5	208.6	208.1	206.2
55°	186.1	186.4	186.4	186.4	185.5	185.0	184.6	184.0	184.0	181.9	180.1
57.5°	164.9	164.5	164.1	163.5	163.0	162.6	162.0	160.7	159.3	157.4	156.0
60°	142.9	143.3	143.3	142.5	141.7	141.0	140.8	139.8	138.2	136.3	134.2
62.5°	124.0	124.4	123.2	123.2	121.8	121.6	121.6	120.3	118.3	116.2	113.9
65°	106.0	105.7	106.2	104.5	104.8	103.3	102.9	102.2	100.4	97.7	95.6
67.5°	88.8	89.4	88.6	88.2	87.3	86.7	86.3	84.2	83.2	80.9	78.6
70°	73.7	73.2	72.8	72.8	71.8	71.1	70.9	68.5	67.4	65.5	62.9
72.5°	59.4	58.9	58.5	57.7	57.1	56.8	55.4	54.0	52.7	50.2	48.4
75°	45.4	45.2	44.6	44.2	43.0	42.5	42.3	40.7	38.1	36.3	34.6
77.5°	32.8	33.0	32.0	31.1	30.4	29.7	29.2	27.8	26.2	24.1	22.4
80°	20.6	20.8	20.6	19.9	18.9	18.7	18.0	17.0	15.7	14.3	13.1
82.5°	11.0	11.0	10.8	10.6	9.8	9.8	9.3	8.7	7.9	7.3	6.3
85°	4.2	4.2	4.0	3.7	3.5	3.5	3.3	3.1	2.5	2.3	1.9
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°	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.9
2.5°	704.9	705.1	705.3	705.5	705.5	705.5	705.9	706.1	706.1	706.3	706.5
5°	697.8	698.1	698.8	699.0	699.5	699.3	699.9	700.7	701.1	701.6	702.3
7.5°	689.9	690.6	691.6	692.2	692.4	692.8	693.4	694.3	695.1	696.0	696.7
10°	683.3	684.1	685.0	686.0	686.0	686.4	686.8	687.6	688.3	688.9	689.9
12.5°	676.1	677.1	677.3	677.7	677.7	677.9	678.5	678.7	679.4	679.6	681.0
15°	667.5	667.5	667.5	667.5	667.5	667.3	666.7	667.3	667.3	667.9	668.6
17.5°	655.5	655.5	654.1	653.4	653.6	652.5	652.2	651.3	651.3	651.3	652.0
20°	639.9	637.8	636.2	634.1	633.1	632.6	632.1	630.0	629.8	629.8	629.8
22.5°	617.7	615.3	613.0	611.3	608.8	607.8	606.9	605.5	603.8	603.0	605.0
25°	590.5	587.7	584.9	581.6	581.0	579.8	577.5	576.0	575.4	574.4	574.8
27.5°	561.7	557.8	554.7	551.5	550.3	548.9	546.8	544.7	542.4	542.8	542.8
30°	528.8	524.1	520.8	516.9	516.7	515.2	513.4	510.7	508.9	508.9	510.1
32.5°	493.0	489.7	486.7	482.3	481.5	480.6	479.2	476.9	475.4	474.0	475.0
35°	456.8	451.6	449.5	446.6	447.0	444.3	442.2	440.8	441.0	439.7	440.4
37.5°	417.7	414.7	411.6	410.5	409.3	407.8	407.0	406.0	405.5	405.5	405.1
40°	378.2	376.5	375.1	374.6	372.6	373.0	372.8	372.1	370.7	370.2	371.7
42.5°	341.0	339.4	338.7	337.5	337.3	336.5	336.5	335.8	335.6	335.8	335.6
45°	302.6	302.4	300.8	300.8	301.7	301.0	299.1	300.3	300.3	299.6	301.0
47.5°	267.3	267.6	266.6	264.7	264.7	263.6	262.2	263.4	264.0	262.8	263.6
50°	235.3	233.8	232.0	230.6	231.3	230.8	229.6	228.8	228.0	228.2	229.2
52.5°	204.9	204.1	202.1	200.4	200.0	200.2	198.8	197.4	197.7	197.4	196.9
55°	177.5	177.5	174.7	174.0	172.1	172.1	170.3	170.1	169.3	169.3	168.2
57.5°	153.9	151.8	150.2	148.5	147.9	146.9	146.2	144.6	143.8	142.5	142.1
60°	132.1	129.6	128.4	126.5	125.1	124.2	123.0	121.6	120.7	119.5	118.1
62.5°	112.7	109.9	107.6	105.7	104.5	104.3	102.5	100.8	98.9	97.5	95.2
65°	93.3	91.7	89.1	86.5	86.1	84.9	83.0	81.1	78.8	76.7	75.3
67.5°	76.3	74.1	71.8	70.4	68.7	67.8	65.7	62.9	60.4	58.3	55.6
70°	61.0	58.0	55.8	53.5	53.1	51.0	49.1	46.3	44.0	41.1	37.4
72.5°	45.8	42.8	41.1	38.8	37.4	36.3	33.6	31.1	27.4	25.3	22.0
75°	32.3	29.7	27.4	25.1	24.1	22.4	20.3	17.6	15.2	13.1	10.8
77.5°	20.1	18.5	16.4	14.5	13.5	12.6	11.0	8.9	7.3	5.6	4.2
80°	11.4	10.0	8.7	7.3	6.8	6.3	4.9	3.7	3.1	2.1	1.4
82.5°	5.4	4.4	3.7	3.1	2.9	2.3	1.6	1.2	0.7	0.4	0.2
85°	1.6	1.2	1.0	0.7	0.4	0.4	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°	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.9
2.5°	706.5	706.7	707.0	707.0	707.0	707.2	707.2	707.7	707.9	708.2	708.2
5°	702.8	703.4	704.0	704.2	704.4	705.1	705.3	706.1	706.5	707.0	707.5
7.5°	697.6	698.4	699.3	699.7	700.2	701.1	701.8	703.0	703.7	704.6	705.5
10°	691.1	692.0	693.4	693.9	694.3	695.5	697.0	698.4	699.5	700.9	702.1
12.5°	681.5	682.9	684.5	685.0	685.7	687.4	688.9	691.1	692.8	694.5	696.5
15°	669.6	671.4	672.7	673.1	674.0	676.4	677.9	680.4	682.9	685.7	687.8
17.5°	653.0	653.9	656.1	656.9	658.1	660.5	663.0	665.8	668.2	671.2	674.5
20°	631.2	632.6	635.2	636.2	637.5	639.7	643.4	645.7	649.5	653.2	655.5
22.5°	604.1	606.7	609.2	610.4	611.3	614.0	616.5	620.4	623.5	628.7	631.7
25°	576.0	576.7	578.8	581.0	581.4	584.7	587.7	592.4	595.4	598.7	603.0
27.5°	543.7	544.7	548.0	548.4	548.7	552.2	555.7	559.4	562.0	565.7	567.8
30°	510.1	511.7	513.1	514.0	515.7	517.3	520.6	525.2	527.1	530.4	533.3
32.5°	475.7	475.7	479.0	479.2	480.2	483.9	485.8	488.5	491.8	494.4	494.1
35°	441.6	442.5	443.7	445.3	446.0	448.3	449.1	451.1	453.2	455.1	457.4
37.5°	406.2	406.2	408.8	409.9	410.7	411.8	413.0	415.1	416.3	417.0	418.4
40°	372.6	373.5	374.0	374.4	374.4	376.1	377.0	378.6	379.4	381.2	380.2
42.5°	338.4	337.9	338.1	339.4	339.6	340.6	341.2	342.1	343.1	342.6	344.3
45°	302.2	302.4	302.9	302.9	303.5	304.7	305.9	306.4	307.0	308.2	308.5
47.5°	264.3	265.5	264.7	266.6	267.1	267.3	270.1	270.3	272.7	273.2	273.2
50°	229.0	229.0	230.4	231.1	231.5	232.3	233.2	234.1	234.8	236.5	236.9
52.5°	197.1	197.7	197.7	196.9	197.7	197.7	200.0	200.2	200.0	200.4	201.2
55°	168.6	168.9	167.4	168.4	168.2	167.4	168.0	166.5	166.3	167.0	166.5
57.5°	141.3	140.3	140.1	138.9	138.9	137.7	136.5	136.5	135.7	134.0	133.8
60°	116.7	115.3	114.3	113.7	111.8	110.6	108.9	107.6	105.7	103.6	102.5
62.5°	93.5	91.9	90.0	89.1	87.7	84.9	82.8	80.7	77.6	75.7	73.9
65°	73.0	70.4	67.4	66.0	64.5	62.0	59.1	55.6	52.7	50.0	46.7
67.5°	52.9	50.0	47.0	44.9	43.5	40.5	37.2	34.2	30.7	27.8	26.2
70°	34.6	31.1	28.3	26.7	25.3	22.2	19.1	16.6	15.0	14.3	14.1
72.5°	19.7	16.2	14.1	12.4	11.2	9.1	7.5	6.6	6.0	5.8	5.4
75°	8.5	6.3	4.9	4.0	3.5	2.9	2.5	2.5	2.5	2.3	2.3
77.5°	3.1	2.1	1.6	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
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°	0.4	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°	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.9
2.5°	708.4	708.8	708.8	709.0	709.4	709.4	709.4	709.4
5°	707.9	708.4	708.6	708.8	709.0	709.4	709.4	709.4
7.5°	706.1	707.0	707.2	707.7	708.2	708.4	708.4	708.6
10°	703.2	704.2	704.9	705.3	705.9	706.3	706.7	706.7
12.5°	698.1	699.5	700.5	700.9	702.1	702.6	703.0	703.4
15°	689.7	691.6	692.8	693.7	694.5	696.0	696.2	697.0
17.5°	677.1	679.6	680.1	681.5	682.7	685.0	684.8	685.0
20°	658.8	661.7	662.5	664.0	665.8	667.5	668.8	667.7
22.5°	634.5	637.8	639.1	640.6	641.8	643.1	645.1	645.3
25°	605.7	608.6	609.7	610.7	613.0	614.2	616.0	616.3
27.5°	572.7	574.4	576.0	576.5	579.1	579.8	581.4	581.4
30°	535.4	537.2	539.1	539.8	540.5	541.2	542.4	543.1
32.5°	497.0	498.9	499.5	500.7	500.9	502.2	501.6	503.5
35°	458.6	459.1	459.8	459.5	461.2	460.9	462.8	462.6
37.5°	420.0	419.6	420.7	421.9	421.5	420.9	421.7	420.5
40°	381.5	381.7	381.9	383.1	381.9	382.7	382.1	381.9
42.5°	345.4	345.4	344.0	345.4	344.5	344.0	345.0	343.5
45°	308.9	308.7	308.9	309.1	309.1	309.1	308.2	309.1
47.5°	274.4	274.6	273.6	275.3	274.8	273.8	273.8	273.2
50°	237.7	239.0	240.6	239.2	240.4	239.8	239.0	239.8
52.5°	202.7	203.7	202.5	202.7	205.3	205.3	203.9	203.7
55°	165.6	165.6	166.0	166.3	166.5	169.5	168.0	168.4
57.5°	132.4	132.4	131.7	133.1	132.1	130.9	132.1	129.1
60°	100.6	100.4	99.6	98.7	96.4	95.6	93.1	92.9
62.5°	71.6	69.0	68.0	66.2	63.6	62.9	60.4	60.1
65°	44.4	41.4	40.5	39.6	38.4	38.1	37.2	37.7
67.5°	25.3	24.7	24.5	23.9	23.4	23.0	23.0	22.6
70°	13.3	12.4	12.2	12.0	12.0	11.0	10.8	11.2
72.5°	5.2	4.7	4.7	4.7	4.4	4.4	4.4	4.4
75°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
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)