

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: P844051

Luminaire Tested: **LD6C15DE010B2750 EU6C15B35 6LBLWWLI**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844051  
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 EU6C15B35 6LBLWWLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

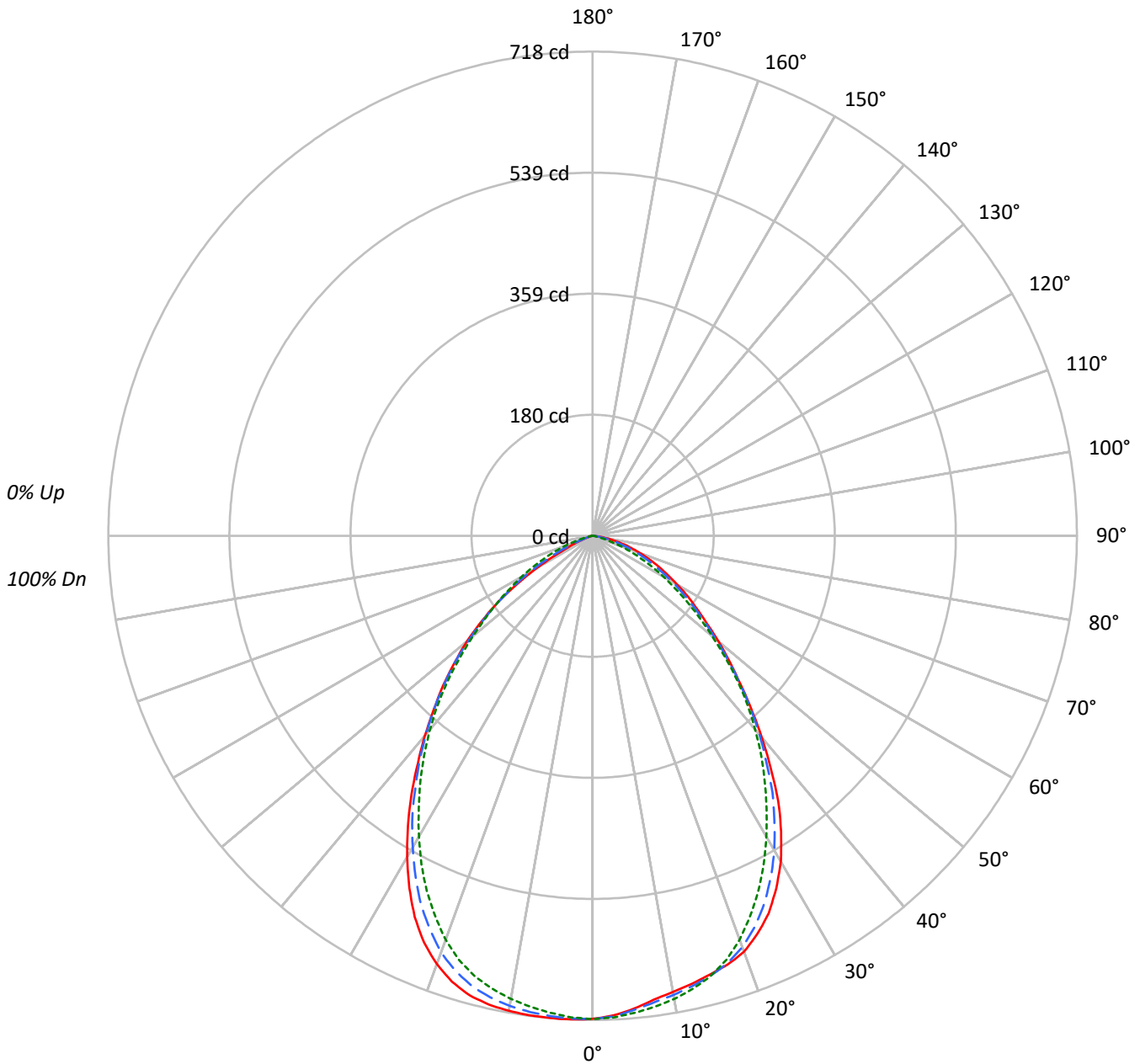
Lumens per Lamp: N/A  
Luminaire Lumens: 1317.8 lumens  
Efficiency: N/A  
Efficacy: 77.5 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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°	39279	39279	39279
5°	38741	39082	39506
10°	38226	38821	39823
15°	38207	38366	40034
20°	38293	37185	39425
25°	37357	35167	37732
30°	35316	32606	34796
35°	32110	29787	31333
40°	27924	26815	27666
45°	23933	23506	24266
50°	20758	19701	20690
55°	18016	16372	16286
60°	15865	13266	10306
65°	13906	10066	4942
70°	11957	6684	1811
75°	9722	2796	487
80°	6566	663	221
85°	2642	126	126



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.5	5.1
10°-20°	192.2	14.6
20°-30°	275.5	20.9
30°-40°	287.1	21.8
40°-50°	237.8	18.0
50°-60°	157.7	12.0
60°-70°	76.3	5.8
70°-80°	21.6	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°	535.2	40.6
0°-40°	822.3	62.4
0°-60°	1217.8	92.4
0°-90°	1317.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1317.8	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	716	716	716	716	716	
5°	704	706	710	715	718	67
15°	673	676	676	691	705	190
25°	618	602	581	603	624	283
35°	480	465	445	459	468	297
45°	309	308	303	311	313	240
55°	188	182	171	168	170	170
65°	107	97	78	53	38	107
75°	46	35	13	3	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°	716.5	716.5	716.5	716.5	716.5	716.5	716.5	716.5	716.5	716.5	716.5
2.5°	712.0	712.3	712.7	712.3	712.5	712.7	712.7	713.0	713.0	713.3	713.5
5°	704.0	704.7	704.7	704.7	704.7	704.9	705.2	705.2	704.9	704.9	705.9
7.5°	693.8	694.5	694.3	694.5	694.8	695.5	695.3	695.7	696.2	696.9	697.8
10°	686.7	686.9	686.7	687.5	687.9	688.4	688.4	688.8	689.4	690.0	691.3
12.5°	680.4	680.6	680.8	681.3	681.8	681.5	682.0	682.5	682.7	683.1	683.9
15°	673.2	674.5	674.1	674.5	674.7	674.9	675.1	675.4	675.1	675.1	675.6
17.5°	666.6	666.8	667.0	667.0	667.0	667.0	666.6	666.6	665.9	665.1	664.7
20°	656.4	656.2	655.7	655.7	654.8	655.0	654.0	653.6	652.3	650.8	649.1
22.5°	638.7	639.9	639.3	637.8	636.8	636.8	635.8	633.7	631.8	629.9	627.8
25°	617.6	617.1	616.4	615.4	614.1	613.1	611.6	610.3	607.2	603.9	602.0
27.5°	589.4	590.2	588.5	587.1	586.4	585.0	583.5	581.6	577.8	575.0	571.7
30°	557.9	557.5	557.3	555.4	553.5	553.9	551.1	548.9	546.1	541.4	538.8
32.5°	520.0	520.8	519.4	519.1	515.6	515.1	515.1	511.8	509.5	504.9	501.3
35°	479.8	479.3	478.9	477.2	477.0	475.6	474.3	472.0	469.0	467.5	464.7
37.5°	433.4	433.6	433.9	433.9	433.0	432.0	431.1	431.1	426.8	426.1	422.7
40°	390.2	390.8	390.6	388.9	389.2	389.4	389.2	388.9	386.4	385.4	384.9
42.5°	348.0	349.1	348.0	347.7	348.0	348.0	347.5	348.2	347.0	348.0	345.8
45°	308.7	309.7	308.9	308.7	308.2	309.4	308.0	309.1	308.4	307.2	307.8
47.5°	274.9	273.9	274.9	274.4	273.6	272.7	274.1	273.4	271.7	271.5	272.0
50°	243.4	242.8	243.4	243.1	241.9	241.9	241.7	241.2	240.7	239.3	238.4
52.5°	213.3	214.9	213.7	214.9	213.3	212.6	212.8	212.1	211.1	210.7	208.8
55°	188.5	188.7	188.7	188.7	187.7	187.2	186.8	186.2	186.2	184.1	182.2
57.5°	166.9	166.4	166.2	165.4	165.0	164.6	164.0	162.7	161.2	159.3	157.9
60°	144.7	145.1	145.1	144.2	143.4	142.8	142.5	141.5	139.9	138.0	135.9
62.5°	125.4	126.0	124.8	124.8	123.3	123.1	123.1	121.6	119.8	117.6	115.3
65°	107.2	107.0	107.5	105.8	106.1	104.6	104.2	103.4	101.5	99.0	96.8
67.5°	90.0	90.4	89.7	89.3	88.3	87.8	87.4	85.2	84.3	81.9	79.5
70°	74.6	74.1	73.6	73.6	72.7	71.9	71.7	69.4	68.2	66.3	63.7
72.5°	60.1	59.7	59.2	58.5	57.7	57.5	56.1	54.7	53.3	50.9	49.0
75°	45.9	45.7	45.2	44.7	43.6	43.0	42.8	41.1	38.6	36.7	35.0
77.5°	33.1	33.4	32.5	31.5	30.8	30.0	29.6	28.1	26.5	24.4	22.7
80°	20.8	21.0	20.8	20.1	19.1	18.9	18.2	17.2	15.9	14.5	13.2
82.5°	11.1	11.1	10.9	10.7	9.9	9.9	9.5	8.8	8.0	7.3	6.3
85°	4.2	4.2	4.0	3.8	3.6	3.6	3.3	3.1	2.6	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°	716.5	716.5	716.5	716.5	716.5	716.5	716.5	716.5	716.5	716.5	716.5
2.5°	713.5	713.7	713.9	714.2	714.2	714.2	714.4	714.6	714.6	714.9	715.2
5°	706.4	706.6	707.3	707.6	708.0	707.8	708.5	709.2	709.7	710.2	710.8
7.5°	698.4	699.0	699.9	700.7	700.9	701.2	701.8	702.8	703.5	704.5	705.2
10°	691.7	692.4	693.4	694.3	694.3	694.8	695.3	695.9	696.7	697.4	698.4
12.5°	684.4	685.3	685.6	686.0	686.0	686.3	686.7	686.9	687.7	687.9	689.4
15°	675.6	675.6	675.6	675.6	675.6	675.4	674.9	675.4	675.4	676.0	676.8
17.5°	663.6	663.6	662.1	661.3	661.7	660.5	660.2	659.2	659.2	659.2	660.0
20°	647.7	645.6	643.9	641.8	640.8	640.3	639.9	637.8	637.4	637.4	637.4
22.5°	625.2	622.8	620.4	618.8	616.2	615.2	614.3	612.9	611.2	610.3	612.4
25°	597.7	594.9	592.1	588.7	588.0	586.8	584.4	583.1	582.3	581.4	581.8
27.5°	568.6	564.6	561.5	558.2	556.9	555.6	553.5	551.3	548.9	549.4	549.4
30°	535.3	530.5	527.1	523.1	522.9	521.5	519.6	517.0	515.1	515.1	516.2
32.5°	499.0	495.7	492.6	488.1	487.4	486.4	485.0	482.7	481.2	479.8	480.8
35°	462.3	457.1	455.0	452.1	452.3	449.8	447.6	446.2	446.4	445.1	445.8
37.5°	422.7	419.7	416.6	415.4	414.3	412.8	411.8	410.9	410.5	410.5	410.0
40°	382.8	381.1	379.7	379.3	377.0	377.6	377.4	376.6	375.2	374.7	376.1
42.5°	345.1	343.5	342.8	341.6	341.3	340.7	340.7	339.9	339.7	339.9	339.7
45°	306.3	306.1	304.4	304.4	305.3	304.7	302.8	304.0	304.0	303.2	304.7
47.5°	270.5	270.8	269.9	268.0	268.0	266.7	265.4	266.5	267.3	266.1	266.7
50°	238.2	236.7	234.8	233.4	234.2	233.6	232.5	231.5	230.8	231.0	231.9
52.5°	207.4	206.7	204.5	202.9	202.4	202.6	201.2	199.8	200.0	199.8	199.4
55°	179.7	179.7	176.8	176.1	174.2	174.2	172.3	172.1	171.3	171.3	170.2
57.5°	155.8	153.7	152.0	150.3	149.7	148.7	148.0	146.3	145.5	144.2	143.9
60°	133.8	131.1	130.0	128.1	126.6	125.6	124.5	123.1	122.2	121.0	119.5
62.5°	114.1	111.3	108.9	107.0	105.8	105.6	103.6	102.1	100.2	98.7	96.4
65°	94.4	92.8	90.2	87.6	87.1	85.9	84.1	82.2	79.7	77.6	76.3
67.5°	77.2	75.1	72.7	71.3	69.6	68.6	66.5	63.7	61.0	58.9	56.4
70°	61.8	58.7	56.6	54.3	53.7	51.6	49.7	46.9	44.5	41.7	37.9
72.5°	46.4	43.4	41.7	39.3	37.9	36.7	34.1	31.5	27.7	25.6	22.2
75°	32.7	30.0	27.7	25.3	24.4	22.7	20.6	17.8	15.3	13.2	10.9
77.5°	20.3	18.7	16.6	14.7	13.7	12.8	11.1	9.0	7.3	5.7	4.2
80°	11.6	10.2	8.8	7.3	6.9	6.3	5.0	3.8	3.1	2.1	1.4
82.5°	5.4	4.5	3.8	3.1	2.9	2.3	1.7	1.2	0.7	0.4	0.2
85°	1.7	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°	716.5	716.5	716.5	716.5	716.5	716.5	716.5	716.5	716.5	716.5	716.5
2.5°	715.2	715.4	715.6	715.6	715.6	715.8	715.8	716.3	716.5	716.8	716.8
5°	711.4	712.0	712.5	712.7	713.0	713.7	713.9	714.6	715.2	715.6	716.1
7.5°	706.2	706.8	707.8	708.3	708.7	709.7	710.4	711.6	712.3	713.3	714.2
10°	699.5	700.5	701.8	702.4	702.8	704.0	705.4	706.8	708.0	709.5	710.6
12.5°	689.8	691.3	692.9	693.4	694.0	695.7	697.4	699.5	701.2	703.0	704.9
15°	677.7	679.6	680.8	681.3	682.2	684.6	686.3	688.6	691.3	694.0	696.2
17.5°	660.9	661.9	664.0	664.9	666.1	668.5	671.1	673.9	676.4	679.4	682.7
20°	638.9	640.3	642.9	643.9	645.3	647.4	651.2	653.6	657.3	661.1	663.6
22.5°	611.4	614.1	616.6	617.9	618.8	621.4	624.0	628.0	631.1	636.3	639.3
25°	583.1	583.7	585.9	588.0	588.5	591.7	594.9	599.6	602.6	606.0	610.3
27.5°	550.4	551.3	554.6	555.2	555.4	558.9	562.4	566.3	568.8	572.6	574.7
30°	516.2	517.9	519.4	520.4	521.9	523.6	526.9	531.7	533.6	536.9	539.7
32.5°	481.4	481.4	484.8	485.0	486.0	489.8	491.7	494.5	497.8	500.5	500.2
35°	447.0	447.9	449.1	450.8	451.4	453.8	454.5	456.6	458.8	460.7	463.0
37.5°	411.2	411.2	413.7	415.0	415.7	416.8	418.1	420.2	421.4	422.1	423.5
40°	377.0	378.0	378.5	379.0	379.0	380.6	381.6	383.3	383.9	385.8	384.9
42.5°	342.6	342.0	342.3	343.5	343.7	344.7	345.4	346.3	347.2	346.8	348.5
45°	305.9	306.1	306.5	306.5	307.2	308.4	309.7	310.1	310.8	312.0	312.2
47.5°	267.5	268.6	268.0	269.9	270.3	270.5	273.4	273.6	276.0	276.5	276.5
50°	231.7	231.7	233.2	233.8	234.4	235.1	236.0	236.9	237.7	239.3	239.8
52.5°	199.6	200.0	200.0	199.4	200.0	200.0	202.4	202.6	202.4	202.9	203.6
55°	170.7	170.9	169.5	170.4	170.2	169.5	170.0	168.6	168.3	169.0	168.6
57.5°	143.0	142.0	141.8	140.6	140.6	139.4	138.2	138.2	137.3	135.6	135.4
60°	118.1	116.7	115.7	115.1	113.2	112.0	110.3	108.9	107.0	104.9	103.6
62.5°	94.7	93.1	91.2	90.2	88.7	85.9	83.8	81.6	78.6	76.7	74.8
65°	73.8	71.3	68.2	66.7	65.4	62.7	59.9	56.4	53.3	50.7	47.4
67.5°	53.5	50.7	47.6	45.5	44.0	40.9	37.7	34.6	31.0	28.1	26.5
70°	35.0	31.5	28.7	27.0	25.6	22.5	19.5	16.8	15.1	14.5	14.2
72.5°	19.9	16.3	14.2	12.6	11.3	9.2	7.6	6.7	6.1	5.9	5.4
75°	8.6	6.3	5.0	4.0	3.6	2.9	2.6	2.6	2.6	2.3	2.3
77.5°	3.1	2.1	1.7	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°	716.5	716.5	716.5	716.5	716.5	716.5	716.5	716.5
2.5°	717.0	717.5	717.5	717.7	717.9	717.9	717.9	717.9
5°	716.5	717.0	717.3	717.5	717.7	717.9	717.9	717.9
7.5°	714.6	715.6	715.8	716.3	716.8	717.0	717.0	717.3
10°	711.8	712.7	713.5	713.9	714.4	714.9	715.4	715.4
12.5°	706.6	708.0	708.9	709.5	710.6	711.2	711.6	712.0
15°	698.0	699.9	701.2	702.1	703.0	704.5	704.7	705.4
17.5°	685.3	687.9	688.4	689.8	691.0	693.4	693.1	693.4
20°	666.8	669.7	670.6	672.0	673.9	675.6	677.0	675.8
22.5°	642.2	645.6	647.0	648.3	649.6	651.0	652.9	653.1
25°	613.1	616.0	617.1	618.1	620.4	621.6	623.5	623.8
27.5°	579.7	581.4	583.1	583.5	586.1	586.8	588.5	588.5
30°	541.8	543.7	545.6	546.4	547.0	547.7	548.9	549.7
32.5°	503.0	504.9	505.7	506.8	507.0	508.2	507.8	509.7
35°	464.2	464.7	465.4	465.1	466.8	466.5	468.4	468.2
37.5°	425.2	424.6	425.8	427.1	426.5	426.1	426.8	425.6
40°	386.0	386.4	386.6	387.7	386.6	387.3	386.8	386.6
42.5°	349.7	349.7	348.2	349.7	348.7	348.2	349.1	347.7
45°	312.7	312.4	312.7	313.0	313.0	313.0	312.0	313.0
47.5°	277.6	277.9	277.0	278.6	278.2	277.2	277.2	276.5
50°	240.5	241.9	243.6	242.2	243.4	242.6	241.9	242.6
52.5°	205.3	206.1	205.0	205.3	207.8	207.8	206.5	206.1
55°	167.6	167.6	168.1	168.3	168.6	171.7	170.0	170.4
57.5°	134.0	134.0	133.3	134.7	133.8	132.5	133.8	130.6
60°	101.7	101.5	100.8	99.9	97.5	96.8	94.2	94.0
62.5°	72.4	69.8	68.9	66.9	64.4	63.7	61.0	60.8
65°	44.9	41.9	40.9	40.0	38.8	38.6	37.7	38.1
67.5°	25.6	25.1	24.9	24.1	23.7	23.2	23.2	23.0
70°	13.5	12.6	12.3	12.1	12.1	11.1	10.9	11.3
72.5°	5.2	4.8	4.8	4.8	4.5	4.5	4.5	4.5
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)