

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: P844033

Luminaire Tested: **LD6C15DE010B2750 EU6C15B30 6LBLWWH**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844033
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: LD6C15DE010B2750 EU6C15B30 6LBLWWH
Description:
Light Source: -
Ballast/Driver:

Summary

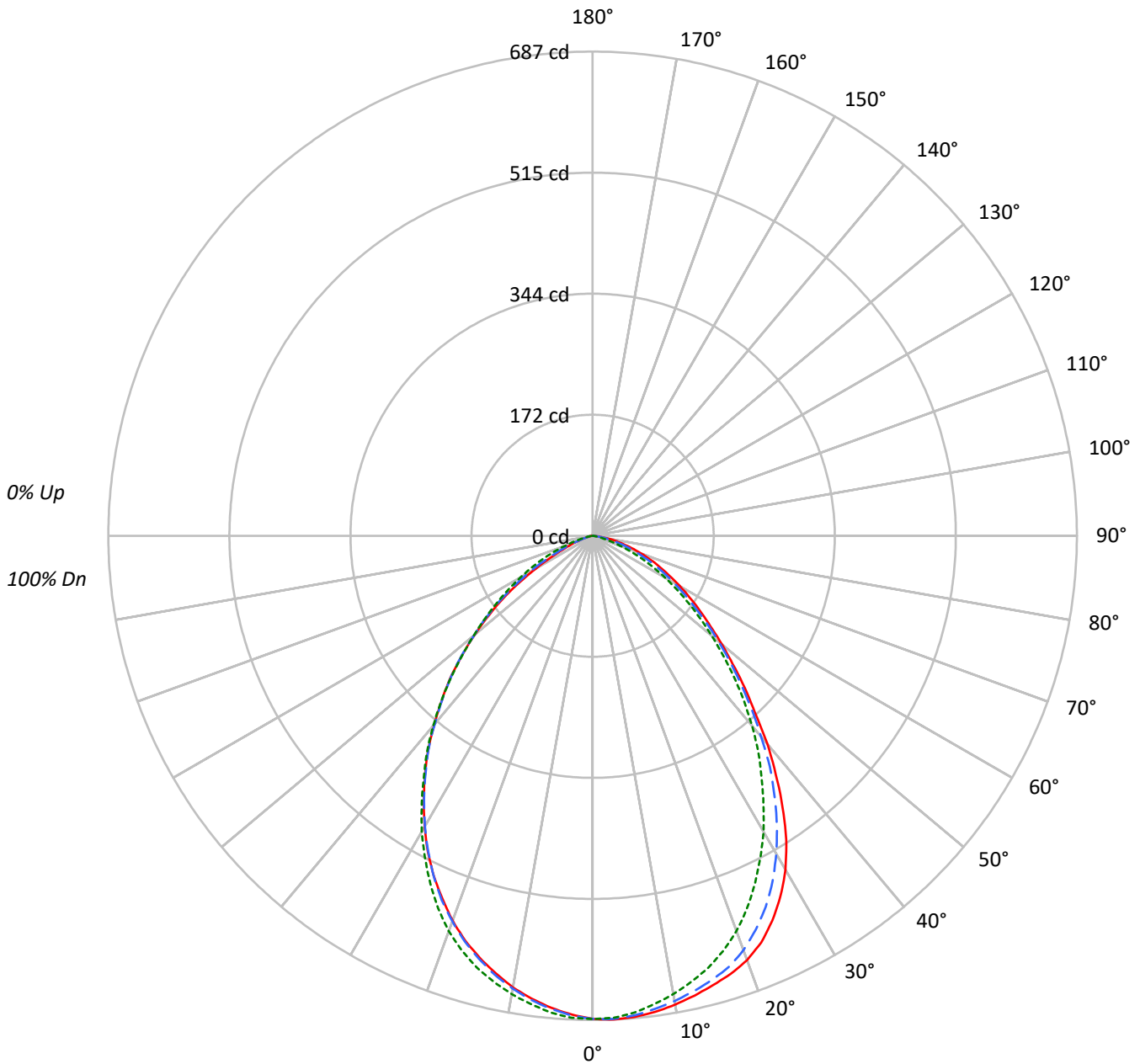
Lumens per Lamp: N/A
Luminaire Lumens: 1246.9 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	37585	37585	37585
5°	37712	37371	37002
10°	37597	36762	36227
15°	37458	36005	35170
20°	37372	34816	33895
25°	36468	32947	32222
30°	34638	30688	30182
35°	31440	27947	27760
40°	27587	25154	25011
45°	23654	21971	22157
50°	20358	18729	18626
55°	17787	15808	14843
60°	15646	12959	10131
65°	13698	10040	6097
70°	11669	6764	3574
75°	9404	3516	1949
80°	6535	1357	1105
85°	2579	440	629



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.2	5.2
10°-20°	179.4	14.4
20°-30°	255.2	20.5
30°-40°	268.7	21.5
40°-50°	223.9	18.0
50°-60°	151.3	12.1
60°-70°	76.7	6.2
70°-80°	24.7	2.0
80°-90°	2.8	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°	498.9	40.0
0°-40°	767.5	61.6
0°-60°	1142.7	91.6
0°-90°	1246.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1246.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	686	686	686	686	686	
5°	685	683	679	674	672	65
15°	660	653	634	622	620	186
25°	603	581	545	534	533	276
35°	470	450	418	413	415	292
45°	305	297	283	285	286	236
55°	186	177	165	160	155	168
65°	106	95	77	56	47	105
75°	44	35	17	9	9	48
85°	4	2	1	1	1	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°	685.6	685.6	685.6	685.6	685.6	685.6	685.6	685.6	685.6	685.6	685.6
2.5°	687.1	687.1	687.1	687.1	687.1	687.1	686.9	686.9	686.4	686.4	686.2
5°	685.3	685.6	685.6	685.3	685.3	684.8	684.8	684.6	683.9	683.4	683.2
7.5°	681.3	681.3	681.1	680.9	680.7	680.0	679.7	679.1	678.6	678.2	677.2
10°	675.4	675.4	675.2	674.7	674.5	674.0	674.0	673.1	672.1	671.0	670.3
12.5°	668.2	668.4	668.0	667.8	667.0	666.8	666.4	665.3	664.5	663.1	662.0
15°	660.0	660.4	660.4	659.5	658.8	658.6	657.8	657.2	655.5	654.1	652.8
17.5°	651.9	652.3	651.9	651.2	650.6	649.6	649.1	647.7	645.7	643.8	641.8
20°	640.6	641.2	640.4	639.2	637.9	637.6	636.9	634.6	631.6	628.9	625.8
22.5°	624.7	624.2	623.6	623.1	620.7	619.4	618.5	615.4	612.3	608.6	604.9
25°	602.9	603.7	602.3	600.3	599.1	597.8	595.4	592.2	589.2	585.3	581.0
27.5°	577.0	577.0	575.1	574.5	572.0	570.1	568.9	565.7	561.8	557.9	553.0
30°	547.2	545.8	545.8	542.7	540.6	539.9	538.8	533.5	530.0	525.9	521.0
32.5°	511.4	511.0	510.2	508.1	505.3	503.0	503.0	499.3	494.8	489.7	486.6
35°	469.8	470.1	469.6	467.3	467.3	464.5	464.1	460.8	457.2	453.3	449.6
37.5°	427.0	427.9	427.0	425.8	425.2	425.0	422.8	420.5	417.8	415.4	412.7
40°	385.5	384.1	384.6	382.2	382.5	382.0	381.2	378.1	376.5	374.2	371.2
42.5°	340.8	342.1	342.7	341.3	340.8	339.9	340.8	339.6	337.8	336.6	333.9
45°	305.1	303.8	304.4	304.0	304.2	302.3	301.6	301.2	300.5	298.4	297.3
47.5°	269.6	269.8	269.6	268.6	268.2	268.2	267.3	265.9	265.9	264.5	263.6
50°	238.7	238.7	239.2	238.1	237.5	236.7	236.9	235.5	234.6	233.4	232.8
52.5°	210.4	210.6	209.7	209.9	209.4	209.4	208.6	207.6	206.7	204.7	204.1
55°	186.1	186.5	185.3	185.7	184.3	183.6	183.2	181.8	181.8	179.7	177.2
57.5°	163.6	163.4	163.2	162.5	161.5	160.9	160.1	158.5	157.8	156.4	154.4
60°	142.7	142.4	141.9	141.7	141.0	139.4	139.4	138.2	135.9	134.5	132.5
62.5°	122.8	122.8	122.6	121.9	121.2	120.5	120.0	119.1	116.9	115.2	113.4
65°	105.6	105.3	104.6	103.4	103.0	103.0	101.4	100.7	98.9	97.2	95.2
67.5°	88.9	88.0	87.6	87.8	86.4	86.4	85.0	83.9	82.3	79.5	77.8
70°	72.8	72.3	71.9	71.4	71.2	70.3	69.6	68.2	66.6	64.5	62.0
72.5°	58.3	58.3	57.6	57.1	56.5	55.5	55.1	53.9	52.0	49.8	47.9
75°	44.4	44.4	44.4	43.6	43.0	42.6	41.2	40.5	38.5	37.1	34.8
77.5°	32.7	32.3	31.5	31.3	30.9	30.5	29.7	28.6	26.8	25.1	23.7
80°	20.7	21.5	20.7	20.7	19.6	19.1	18.9	17.6	16.8	15.4	14.3
82.5°	11.5	11.7	11.3	11.1	10.4	10.2	10.2	9.2	8.8	7.8	7.2
85°	4.1	4.3	4.1	4.1	3.7	3.9	3.7	3.5	3.0	2.5	2.3
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°	685.6	685.6	685.6	685.6	685.6	685.6	685.6	685.6	685.6	685.6	685.6
2.5°	686.2	685.8	685.8	685.6	685.3	685.3	685.3	685.0	684.6	684.6	684.4
5°	682.8	682.3	681.6	681.1	680.9	680.7	680.5	680.3	679.3	679.1	678.4
7.5°	676.6	676.0	674.9	674.5	673.8	673.5	672.7	672.1	671.3	670.3	669.9
10°	669.2	668.0	667.0	666.0	665.5	664.8	663.7	662.3	661.5	660.4	659.5
12.5°	660.9	659.5	657.6	656.3	655.8	654.7	652.8	651.6	650.0	648.2	646.5
15°	650.6	648.9	647.3	644.7	644.1	642.6	640.8	638.5	636.2	634.4	632.6
17.5°	639.2	636.7	634.2	631.4	629.3	628.7	625.6	622.4	620.3	617.1	615.0
20°	623.3	619.9	615.8	612.9	611.1	609.0	605.6	602.1	599.6	596.8	593.9
22.5°	601.4	598.2	593.3	589.2	587.8	584.9	581.8	578.6	575.4	572.4	568.7
25°	575.6	572.2	567.3	563.2	560.9	559.5	553.7	550.5	547.2	544.7	542.2
27.5°	549.1	542.9	539.7	533.3	531.1	530.7	525.3	521.9	518.5	515.0	511.8
30°	516.4	511.6	506.7	502.1	499.3	497.7	493.8	489.5	487.1	484.8	481.6
32.5°	482.5	478.2	472.1	467.8	465.7	463.3	460.0	456.9	453.5	451.0	450.2
35°	446.3	441.5	436.4	433.2	432.8	429.9	426.5	424.0	421.5	417.6	416.8
37.5°	407.6	404.9	401.4	396.8	394.7	394.7	391.2	389.4	386.2	385.9	384.1
40°	369.6	368.5	363.2	361.8	361.3	358.1	357.2	354.0	351.7	351.5	348.6
42.5°	332.1	329.0	328.2	325.9	323.7	323.3	321.2	319.8	318.9	317.5	316.1
45°	294.8	294.0	291.7	290.1	289.4	288.5	287.8	285.0	284.6	283.4	282.7
47.5°	262.5	260.6	258.6	256.7	256.5	255.1	253.5	253.5	251.0	250.7	250.2
50°	230.5	229.1	227.9	225.4	225.8	224.0	223.8	221.7	220.5	219.6	220.7
52.5°	202.3	199.6	199.0	197.0	196.3	196.5	194.0	193.3	192.9	192.0	191.5
55°	175.6	174.2	172.4	171.0	169.9	168.7	167.7	167.7	165.2	165.4	164.3
57.5°	152.1	150.9	148.6	146.6	146.1	144.7	143.5	142.4	142.1	140.6	139.4
60°	131.1	129.0	126.1	125.1	123.7	122.6	121.4	120.0	119.4	118.2	116.1
62.5°	111.6	108.1	106.9	105.0	103.4	102.8	100.9	99.3	98.1	96.6	95.0
65°	92.9	90.3	88.2	86.2	86.0	84.1	82.5	81.1	78.8	77.4	74.5
67.5°	75.8	73.5	71.2	69.2	67.5	67.1	64.5	62.9	61.3	58.5	55.9
70°	60.2	57.9	55.9	53.4	52.8	50.9	49.1	47.5	44.7	42.2	40.1
72.5°	45.9	43.4	41.2	39.4	38.3	36.6	34.8	33.0	30.1	27.6	25.8
75°	32.7	30.9	28.8	27.0	26.0	25.1	23.1	20.9	19.1	16.6	15.0
77.5°	22.1	20.3	18.4	16.8	15.7	15.0	13.6	12.0	10.4	9.0	7.8
80°	12.9	11.7	10.4	9.0	8.8	8.0	6.9	6.0	5.1	4.3	3.5
82.5°	6.2	5.5	4.7	3.9	3.5	3.3	2.7	2.3	1.8	1.6	1.6
85°	1.8	1.6	1.4	1.2	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°	685.6	685.6	685.6	685.6	685.6	685.6	685.6	685.6	685.6	685.6	685.6
2.5°	683.7	683.4	683.2	683.0	682.5	682.5	681.9	681.3	681.3	680.9	680.7
5°	677.7	677.0	676.8	676.4	675.8	675.6	674.7	674.5	674.0	673.5	673.5
7.5°	669.2	668.2	667.4	666.8	666.6	666.0	665.5	665.3	664.5	664.1	663.1
10°	657.8	657.2	656.1	655.5	655.1	654.7	653.5	652.8	652.6	652.1	651.6
12.5°	644.7	643.8	642.6	641.8	641.2	640.6	639.4	638.7	638.7	637.9	637.9
15°	630.7	629.3	627.2	626.3	626.1	624.7	623.8	622.8	621.7	621.3	621.3
17.5°	612.7	610.4	608.6	608.6	607.6	606.2	604.9	604.2	603.5	602.5	602.1
20°	591.5	589.9	587.8	587.8	585.7	585.3	583.9	583.7	582.0	582.3	581.6
22.5°	565.9	565.0	563.8	563.0	561.8	560.4	559.7	559.9	559.3	559.1	558.7
25°	540.1	537.6	536.2	535.8	535.3	534.1	533.7	533.5	533.5	532.7	532.9
27.5°	510.4	508.5	506.7	507.5	506.5	505.8	505.3	504.6	505.1	504.9	505.1
30°	480.0	477.6	476.6	477.0	476.8	474.9	475.8	475.6	475.8	475.8	476.3
32.5°	447.9	446.3	446.1	446.3	444.3	444.5	443.6	444.9	445.2	446.5	445.4
35°	415.4	414.6	412.9	412.7	412.9	412.7	412.7	413.6	413.4	414.8	414.3
37.5°	382.0	381.6	380.0	380.4	379.5	381.2	381.6	381.2	382.8	382.2	382.0
40°	349.3	348.6	347.7	349.5	348.4	347.5	349.1	347.7	348.2	349.5	349.5
42.5°	316.1	315.0	315.0	315.0	314.8	314.8	315.5	316.1	315.7	315.9	317.7
45°	282.7	282.5	281.9	282.3	282.1	283.2	283.2	283.7	284.6	285.5	285.0
47.5°	250.4	250.0	250.7	250.2	250.4	249.8	250.2	251.6	252.8	251.2	252.8
50°	220.3	219.4	219.1	219.9	219.6	219.4	219.9	219.9	219.4	219.4	220.9
52.5°	191.5	190.6	189.8	191.0	190.4	190.6	189.6	189.6	190.1	189.6	189.0
55°	164.6	163.8	162.9	163.4	162.2	162.0	161.1	161.1	160.3	159.9	158.5
57.5°	138.8	138.2	136.2	135.9	136.2	134.5	132.9	132.3	130.4	130.0	129.8
60°	115.9	113.4	112.2	110.8	109.9	109.3	107.3	106.2	103.4	101.9	101.6
62.5°	92.1	91.1	89.7	87.6	87.1	84.8	82.9	80.0	78.6	76.5	74.5
65°	73.1	70.0	68.0	66.8	64.9	62.9	60.8	57.6	55.9	53.4	51.4
67.5°	53.4	50.9	48.1	47.3	45.6	43.0	41.0	38.3	36.9	34.6	33.8
70°	36.6	34.4	32.3	30.9	29.7	27.2	25.1	24.2	22.8	22.3	22.3
72.5°	23.5	21.5	19.1	18.4	17.6	16.2	14.7	14.3	14.7	14.5	14.5
75°	13.1	12.0	10.4	9.7	9.7	9.2	9.0	9.0	9.0	9.0	9.0
77.5°	6.7	6.0	5.5	5.3	5.3	5.3	5.5	5.5	5.5	5.7	5.5
80°	3.3	3.0	3.0	3.0	3.3	3.3	3.3	3.3	3.3	3.5	3.3
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.8	1.8	1.8	1.8	1.8
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°	685.6	685.6	685.6	685.6	685.6	685.6	685.6	685.6
2.5°	680.5	680.0	680.0	679.7	679.7	679.7	679.7	680.0
5°	673.1	672.9	672.9	672.4	672.4	672.4	672.4	672.4
7.5°	663.1	662.7	662.9	662.5	662.5	662.7	662.5	662.3
10°	651.0	650.8	651.0	651.0	650.6	650.2	650.6	650.8
12.5°	637.1	636.9	636.5	636.7	636.7	636.5	636.2	635.7
15°	621.0	620.7	620.5	620.3	620.1	620.3	620.1	619.7
17.5°	602.1	602.1	601.9	601.7	601.4	600.9	601.2	601.9
20°	581.8	581.6	581.2	581.4	580.4	580.0	580.2	581.0
22.5°	558.5	557.9	558.3	557.7	557.7	557.9	557.7	557.2
25°	533.3	532.3	532.7	532.9	532.9	532.7	532.5	532.7
27.5°	505.1	505.8	505.8	505.3	506.0	505.1	505.5	505.8
30°	476.3	475.6	475.4	476.3	477.6	476.6	476.6	476.8
32.5°	446.5	445.7	445.7	446.1	445.9	445.9	446.9	445.7
35°	414.8	415.2	413.4	414.6	415.0	414.6	414.8	414.8
37.5°	382.8	382.2	382.2	382.2	383.0	383.0	383.4	383.2
40°	351.1	350.3	350.0	350.5	349.5	350.3	350.3	349.5
42.5°	317.1	317.3	318.5	317.3	317.5	317.3	316.9	316.7
45°	285.5	286.2	285.8	285.5	285.8	284.8	285.0	285.8
47.5°	252.1	253.5	252.1	253.0	252.8	252.4	251.8	251.0
50°	220.7	221.3	220.9	220.7	220.5	220.3	219.1	218.4
52.5°	188.7	188.7	188.7	188.7	186.5	187.5	187.1	185.7
55°	157.4	158.1	157.2	157.2	155.6	155.6	155.0	155.3
57.5°	127.2	126.5	125.9	125.9	124.2	123.5	122.8	121.9
60°	99.1	98.4	97.5	96.4	94.7	94.7	94.2	92.4
62.5°	72.6	71.4	70.8	69.8	68.4	67.5	66.8	67.3
65°	49.8	48.7	47.7	47.7	47.7	47.3	47.0	47.0
67.5°	32.7	33.4	33.0	33.4	33.4	33.0	32.7	33.2
70°	22.6	22.6	22.3	22.3	22.3	22.3	22.1	22.3
72.5°	14.5	14.5	14.5	14.7	14.5	14.5	14.7	14.7
75°	9.2	9.2	9.2	9.4	9.2	9.2	9.4	9.2
77.5°	5.5	5.7	5.7	5.7	5.7	5.5	5.7	5.7
80°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
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)