

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: P844034

Luminaire Tested: **LD6C15DE010B2750 EU6C15B30 6LBLWWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844034
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 EU6C15B30 6LBLWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

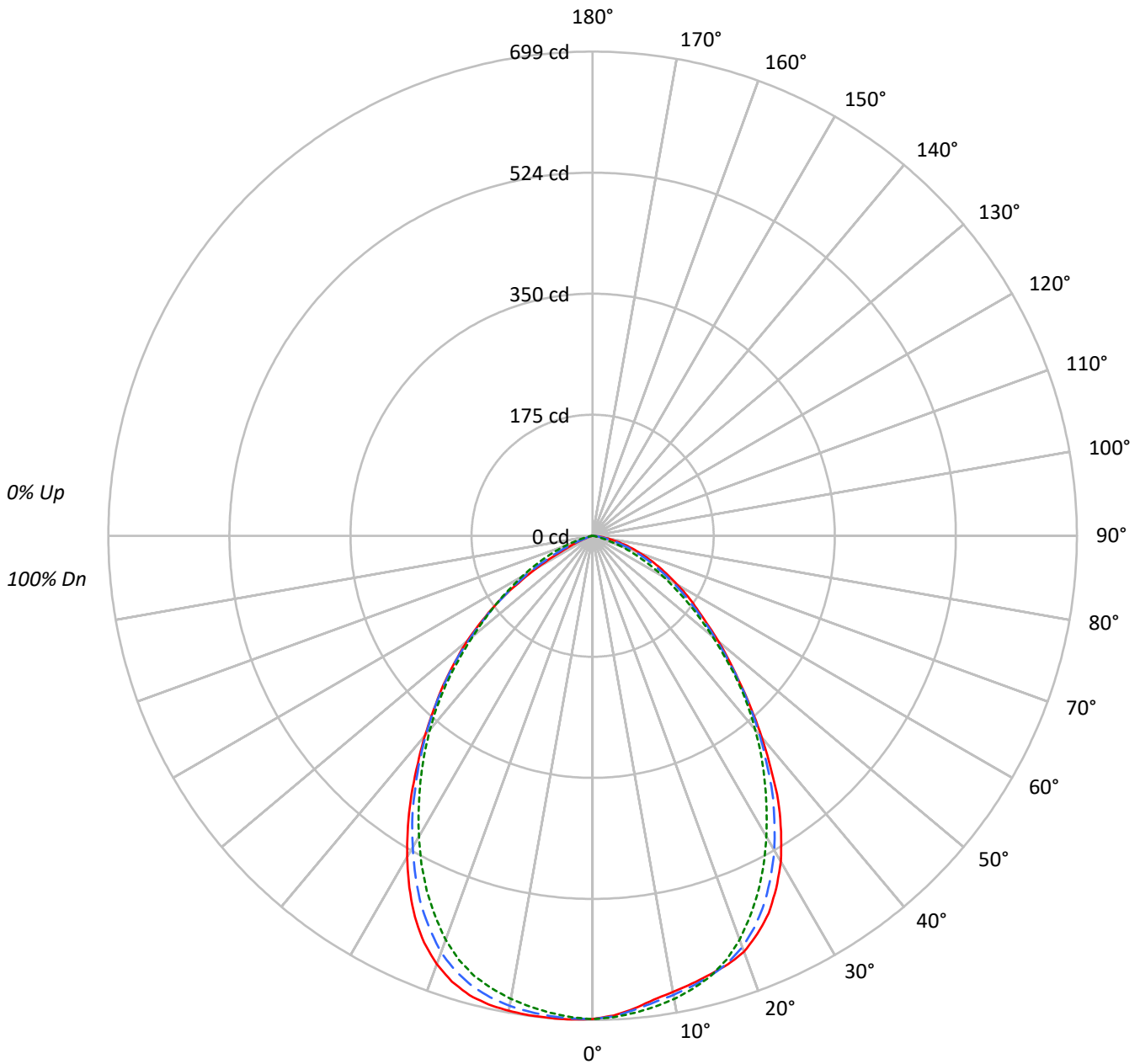
Lumens per Lamp: N/A
Luminaire Lumens: 1282.9 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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					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°	38243	38243	38243
5°	37712	38047	38466
10°	37213	37792	38771
15°	37197	37355	38973
20°	37278	36205	38387
25°	36371	34230	36728
30°	34385	31739	33872
35°	31266	28991	30504
40°	27179	26106	26929
45°	23297	22886	23623
50°	20204	19189	20144
55°	17529	15952	15856
60°	15437	12905	10032
65°	13542	9806	4812
70°	11637	6491	1779
75°	9468	2732	487
80°	6409	663	221
85°	2579	126	126



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.7	5.1
10°-20°	187.1	14.6
20°-30°	268.2	20.9
30°-40°	279.5	21.8
40°-50°	231.5	18.0
50°-60°	153.5	12.0
60°-70°	74.3	5.8
70°-80°	21.0	1.6
80°-90°	2.0	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°	521.0	40.6
0°-40°	800.5	62.4
0°-60°	1185.5	92.4
0°-90°	1282.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1282.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	698	698	698	698	698	
5°	685	687	691	696	699	65
15°	655	658	658	673	687	185
25°	601	586	566	587	607	275
35°	467	452	433	447	456	290
45°	300	300	295	303	305	234
55°	183	178	167	164	166	166
65°	104	94	76	52	37	104
75°	45	34	13	2	2	48
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°	697.6	697.6	697.6	697.6	697.6	697.6	697.6	697.6	697.6	697.6	697.6
2.5°	693.2	693.4	693.9	693.4	693.7	693.9	693.9	694.1	694.1	694.3	694.5
5°	685.3	686.1	686.1	686.1	686.1	686.3	686.5	686.5	686.3	686.3	687.3
7.5°	675.4	676.1	675.9	676.1	676.4	677.1	676.8	677.3	677.7	678.5	679.3
10°	668.5	668.7	668.5	669.3	669.7	670.1	670.1	670.6	671.1	671.8	672.9
12.5°	662.3	662.5	662.8	663.2	663.7	663.5	663.9	664.4	664.6	665.0	665.8
15°	655.4	656.6	656.4	656.6	656.8	657.0	657.2	657.4	657.2	657.2	657.7
17.5°	649.0	649.2	649.4	649.4	649.4	649.4	649.0	649.0	648.2	647.6	647.1
20°	639.0	638.8	638.4	638.4	637.4	637.6	636.7	636.3	635.1	633.5	631.9
22.5°	621.8	622.9	622.4	620.8	619.9	619.9	619.0	616.9	615.1	613.2	611.1
25°	601.3	600.7	600.1	599.1	597.8	596.8	595.4	594.1	591.1	587.8	586.0
27.5°	573.8	574.5	572.9	571.5	570.8	569.4	568.1	566.3	562.6	559.8	556.5
30°	543.2	542.7	542.5	540.7	538.8	539.3	536.5	534.4	531.7	527.0	524.5
32.5°	506.3	507.0	505.7	505.3	502.0	501.4	501.4	498.3	495.9	491.6	488.1
35°	467.2	466.6	466.2	464.6	464.4	462.9	461.9	459.5	456.5	455.1	452.3
37.5°	422.0	422.2	422.4	422.4	421.5	420.6	419.7	419.7	415.5	414.8	411.6
40°	379.8	380.4	380.2	378.6	378.8	379.1	378.8	378.6	376.1	375.1	374.7
42.5°	338.8	339.9	338.8	338.5	338.8	338.8	338.3	339.0	337.8	338.8	336.6
45°	300.5	301.4	300.7	300.5	300.1	301.2	299.8	301.0	300.3	299.1	299.6
47.5°	267.6	266.6	267.6	267.1	266.4	265.5	266.8	266.2	264.5	264.3	264.8
50°	236.9	236.5	236.9	236.7	235.5	235.5	235.3	234.8	234.4	233.0	232.0
52.5°	207.6	209.2	208.1	209.2	207.6	207.0	207.2	206.5	205.6	205.1	203.3
55°	183.4	183.7	183.7	183.7	182.8	182.3	181.8	181.4	181.4	179.3	177.5
57.5°	162.5	162.0	161.8	161.1	160.7	160.1	159.7	158.3	157.0	155.0	153.7
60°	140.8	141.3	141.3	140.3	139.6	139.0	138.8	137.8	136.2	134.3	132.3
62.5°	122.2	122.6	121.4	121.4	120.0	119.8	119.8	118.5	116.7	114.5	112.2
65°	104.4	104.2	104.6	103.0	103.2	101.9	101.4	100.7	98.9	96.4	94.2
67.5°	87.6	88.0	87.4	86.8	86.0	85.5	85.0	82.9	82.1	79.7	77.4
70°	72.6	72.1	71.7	71.7	70.8	70.0	69.8	67.5	66.4	64.5	62.0
72.5°	58.5	58.1	57.6	56.9	56.3	55.9	54.6	53.2	51.8	49.5	47.7
75°	44.7	44.5	44.0	43.6	42.4	42.0	41.7	40.1	37.5	35.7	34.1
77.5°	32.3	32.5	31.6	30.7	29.9	29.3	28.8	27.4	25.8	23.7	22.1
80°	20.3	20.5	20.3	19.6	18.6	18.4	17.8	16.8	15.4	14.1	12.9
82.5°	10.8	10.8	10.6	10.4	9.7	9.7	9.2	8.6	7.8	7.2	6.2
85°	4.1	4.1	3.9	3.7	3.5	3.5	3.3	3.0	2.5	2.3	1.8
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°	697.6	697.6	697.6	697.6	697.6	697.6	697.6	697.6	697.6	697.6	697.6
2.5°	694.5	694.8	695.1	695.3	695.3	695.3	695.5	695.7	695.7	695.9	696.1
5°	687.7	687.9	688.6	688.8	689.3	689.0	689.7	690.4	690.8	691.4	692.0
7.5°	679.8	680.5	681.4	682.2	682.4	682.6	683.2	684.2	684.9	685.8	686.5
10°	673.4	674.0	675.0	675.9	675.9	676.4	676.8	677.5	678.3	678.9	679.8
12.5°	666.2	667.2	667.4	667.8	667.8	668.1	668.5	668.7	669.5	669.7	671.1
15°	657.7	657.7	657.7	657.7	657.7	657.4	657.0	657.4	657.4	658.2	658.9
17.5°	645.9	645.9	644.5	643.9	644.1	642.9	642.7	641.8	641.8	641.8	642.5
20°	630.5	628.4	626.9	624.7	623.8	623.4	622.9	620.8	620.6	620.6	620.6
22.5°	608.7	606.3	604.0	602.4	599.9	598.9	598.0	596.6	595.0	594.1	596.2
25°	581.9	579.2	576.3	573.1	572.4	571.3	569.0	567.6	566.9	565.9	566.5
27.5°	553.6	549.7	546.6	543.4	542.2	540.9	538.8	536.7	534.4	534.8	534.8
30°	521.1	516.4	513.2	509.3	509.0	507.7	505.9	503.3	501.4	501.4	502.6
32.5°	485.8	482.6	479.5	475.2	474.5	473.6	472.2	469.9	468.5	467.2	468.0
35°	450.0	444.9	442.9	440.2	440.4	437.9	435.7	434.4	434.6	433.2	433.9
37.5°	411.6	408.6	405.6	404.4	403.3	401.9	400.9	400.1	399.6	399.6	399.2
40°	372.6	371.0	369.6	369.2	367.1	367.5	367.3	366.7	365.3	364.8	366.2
42.5°	336.0	334.4	333.7	332.5	332.3	331.6	331.6	330.9	330.7	330.9	330.7
45°	298.3	297.9	296.3	296.3	297.3	296.6	294.8	295.9	295.9	295.2	296.6
47.5°	263.4	263.7	262.7	260.9	260.9	259.8	258.4	259.4	260.2	259.0	259.8
50°	231.8	230.5	228.6	227.2	227.9	227.5	226.3	225.4	224.6	225.0	225.8
52.5°	201.9	201.2	199.2	197.5	197.0	197.2	195.9	194.5	194.7	194.5	194.1
55°	174.9	174.9	172.2	171.4	169.6	169.6	167.7	167.5	166.9	166.9	165.7
57.5°	151.7	149.5	148.0	146.4	145.6	144.7	144.0	142.5	141.7	140.3	140.1
60°	130.2	127.7	126.5	124.7	123.3	122.4	121.2	119.8	118.9	117.7	116.3
62.5°	111.1	108.3	106.0	104.2	103.0	102.8	100.9	99.3	97.5	96.1	93.8
65°	91.9	90.3	87.8	85.2	84.8	83.7	81.9	80.0	77.6	75.6	74.2
67.5°	75.1	73.1	70.8	69.4	67.8	66.8	64.7	62.0	59.4	57.4	54.9
70°	60.2	57.1	55.1	52.8	52.4	50.2	48.4	45.6	43.4	40.5	36.9
72.5°	45.2	42.2	40.5	38.3	36.9	35.7	33.2	30.7	27.0	24.9	21.7
75°	31.8	29.3	27.0	24.6	23.7	22.1	20.1	17.2	15.0	12.9	10.6
77.5°	19.8	18.2	16.2	14.3	13.3	12.5	10.8	8.8	7.2	5.5	4.1
80°	11.3	9.9	8.6	7.2	6.7	6.2	4.9	3.7	3.0	2.1	1.4
82.5°	5.3	4.3	3.7	3.0	2.7	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°	697.6	697.6	697.6	697.6	697.6	697.6	697.6	697.6	697.6	697.6	697.6
2.5°	696.1	696.5	696.7	696.7	696.7	696.9	696.9	697.3	697.6	697.8	697.8
5°	692.5	693.2	693.7	693.9	694.1	694.8	695.1	695.7	696.1	696.7	697.1
7.5°	687.5	688.1	689.0	689.5	690.0	690.8	691.6	692.8	693.4	694.3	695.3
10°	681.0	681.9	683.2	683.8	684.2	685.3	686.7	688.1	689.3	690.6	691.8
12.5°	671.5	672.9	674.6	675.0	675.7	677.3	678.9	681.0	682.6	684.4	686.3
15°	659.8	661.7	662.8	663.2	664.2	666.4	668.1	670.3	672.9	675.7	677.7
17.5°	643.5	644.3	646.4	647.4	648.4	650.8	653.3	656.1	658.4	661.3	664.6
20°	622.0	623.4	625.9	626.9	628.2	630.2	633.9	636.3	640.0	643.7	645.9
22.5°	595.2	597.8	600.3	601.5	602.4	605.0	607.5	611.4	614.4	619.5	622.4
25°	567.6	568.3	570.4	572.4	572.9	576.1	579.2	583.7	586.8	589.9	594.1
27.5°	535.8	536.7	539.9	540.5	540.7	544.0	547.5	551.2	553.8	557.5	559.5
30°	502.6	504.2	505.7	506.5	508.1	509.8	513.0	517.6	519.4	522.7	525.4
32.5°	468.7	468.7	471.9	472.2	473.1	476.8	478.7	481.4	484.6	487.1	486.9
35°	435.1	436.0	437.1	438.8	439.4	441.8	442.5	444.5	446.6	448.4	450.8
37.5°	400.3	400.3	402.9	404.0	404.7	405.8	407.0	409.1	410.2	410.9	412.3
40°	367.1	368.1	368.5	368.9	368.9	370.6	371.4	373.1	373.8	375.7	374.7
42.5°	333.5	333.0	333.3	334.4	334.6	335.5	336.2	337.2	338.0	337.6	339.2
45°	297.7	297.9	298.5	298.5	299.1	300.3	301.4	301.8	302.6	303.8	304.0
47.5°	260.4	261.6	260.9	262.7	263.1	263.4	266.2	266.4	268.7	269.2	269.2
50°	225.6	225.6	227.0	227.7	228.1	228.9	229.7	230.7	231.4	233.0	233.4
52.5°	194.3	194.7	194.7	194.1	194.7	194.7	197.0	197.2	197.0	197.5	198.2
55°	166.2	166.4	165.0	165.9	165.7	165.0	165.4	164.0	163.8	164.6	164.0
57.5°	139.2	138.2	138.0	136.9	136.9	135.7	134.5	134.5	133.7	132.1	131.8
60°	115.0	113.6	112.6	112.0	110.2	109.0	107.3	106.0	104.2	102.1	100.9
62.5°	92.2	90.5	88.7	87.8	86.4	83.7	81.5	79.5	76.5	74.7	72.9
65°	71.9	69.4	66.4	64.9	63.6	61.0	58.3	54.9	51.8	49.3	46.1
67.5°	52.0	49.3	46.3	44.2	42.8	39.9	36.6	33.6	30.1	27.4	25.8
70°	34.1	30.7	27.9	26.2	24.9	21.9	18.9	16.4	14.7	14.1	13.9
72.5°	19.4	15.9	13.9	12.2	11.1	9.0	7.4	6.5	6.0	5.7	5.3
75°	8.2	6.2	4.9	3.9	3.5	2.7	2.5	2.5	2.5	2.3	2.3
77.5°	3.0	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°	697.6	697.6	697.6	697.6	697.6	697.6	697.6	697.6
2.5°	698.0	698.5	698.5	698.7	699.0	699.0	699.0	699.0
5°	697.6	698.0	698.2	698.5	698.7	699.0	699.0	699.0
7.5°	695.7	696.7	696.9	697.3	697.8	698.0	698.0	698.2
10°	693.0	693.9	694.5	695.1	695.5	695.9	696.5	696.5
12.5°	687.9	689.3	690.2	690.6	691.8	692.2	692.8	693.2
15°	679.6	681.4	682.6	683.5	684.4	685.8	686.1	686.7
17.5°	667.2	669.7	670.1	671.5	672.7	675.0	674.8	675.0
20°	649.2	651.9	652.9	654.3	656.1	657.7	659.1	658.0
22.5°	625.2	628.4	629.8	631.2	632.4	633.7	635.5	635.8
25°	596.8	599.7	600.7	601.7	604.0	605.2	607.0	607.2
27.5°	564.4	565.9	567.6	568.1	570.6	571.3	572.9	572.9
30°	527.5	529.3	531.1	531.9	532.5	533.3	534.4	535.1
32.5°	489.7	491.6	492.2	493.4	493.6	494.8	494.3	496.1
35°	451.9	452.3	453.1	452.9	454.5	454.3	456.1	455.8
37.5°	413.9	413.4	414.6	415.8	415.2	414.8	415.5	414.4
40°	375.9	376.1	376.3	377.5	376.3	377.0	376.5	376.3
42.5°	340.3	340.3	339.0	340.3	339.5	339.0	339.9	338.5
45°	304.4	304.2	304.4	304.7	304.7	304.7	303.8	304.7
47.5°	270.3	270.5	269.6	271.3	270.8	269.9	269.9	269.2
50°	234.2	235.5	237.1	235.7	236.9	236.2	235.5	236.2
52.5°	199.8	200.7	199.6	199.8	202.3	202.3	201.0	200.7
55°	163.2	163.2	163.6	163.8	164.0	167.1	165.4	165.9
57.5°	130.4	130.4	129.8	131.1	130.2	129.0	130.2	127.2
60°	99.1	98.9	98.1	97.2	95.0	94.2	91.7	91.5
62.5°	70.5	68.0	67.1	65.3	62.7	62.0	59.4	59.2
65°	43.8	40.8	39.9	38.9	37.8	37.5	36.6	37.1
67.5°	24.9	24.4	24.2	23.5	23.1	22.6	22.6	22.3
70°	13.1	12.2	12.0	11.7	11.7	10.8	10.6	11.1
72.5°	5.1	4.7	4.7	4.7	4.3	4.3	4.3	4.3
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)