

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: P844066

Luminaire Tested: **LD6C15DE010B2750 EU6C15B40 6LBDWWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844066
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 EU6C15B40 6LBLDWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

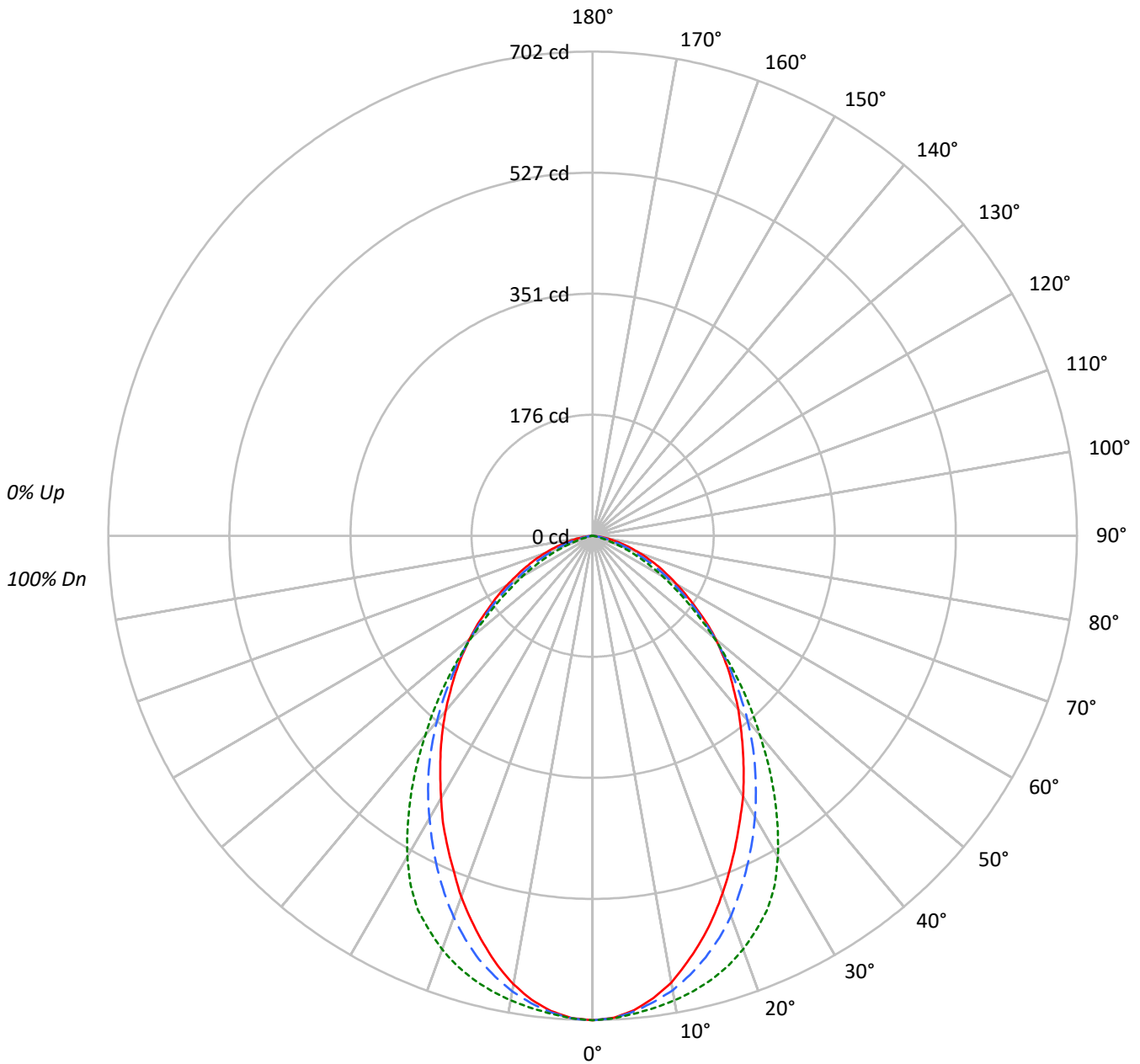
Lumens per Lamp: N/A
Luminaire Lumens: 1257.5 lumens
Efficiency: N/A
Efficacy: 74.0 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 1.15 / 1.13
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	38511	38511	38511
5°	37998	38273	38064
10°	36611	38075	36756
15°	34506	37810	34728
20°	32156	37226	32500
25°	29742	36220	30092
30°	27618	34005	27808
35°	25417	30751	25698
40°	23487	26972	23709
45°	21692	23312	21770
50°	19846	19547	19829
55°	17529	15961	17596
60°	15481	12806	15711
65°	13633	9521	13724
70°	11460	5979	11765
75°	9087	2542	9341
80°	6061	600	6503
85°	2516	126	2956



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.5	5.2
10°-20°	178.6	14.2
20°-30°	246.6	19.6
30°-40°	259.4	20.6
40°-50°	223.4	17.8
50°-60°	159.0	12.6
60°-70°	89.7	7.1
70°-80°	31.8	2.5
80°-90°	3.6	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°	490.7	39.0
0°-40°	750.1	59.6
0°-60°	1132.5	90.1
0°-90°	1257.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1257.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	702	702	702	702	702	
5°	690	692	696	694	692	65
15°	608	633	666	636	612	170
25°	492	530	599	533	498	226
35°	380	410	460	414	384	238
45°	280	288	301	288	281	216
55°	183	177	167	177	184	165
65°	105	90	73	91	106	104
75°	43	29	12	29	44	46
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°	702.5	702.5	702.5	702.5	702.5	702.5	702.5	702.5	702.5	702.5	702.5
2.5°	699.5	699.7	699.7	699.9	699.7	699.7	699.9	699.9	699.7	699.9	699.9
5°	690.5	690.3	690.5	690.8	691.5	691.5	691.3	691.3	692.0	691.7	692.2
7.5°	676.0	676.0	676.7	677.2	677.2	677.4	677.9	678.8	679.7	680.1	681.6
10°	657.7	658.0	657.7	658.7	659.3	660.5	660.3	662.0	663.6	665.9	669.0
12.5°	633.5	634.3	635.6	635.6	637.8	638.9	638.7	642.5	645.6	648.3	652.1
15°	608.0	607.7	609.0	610.8	612.9	614.6	615.2	620.2	623.3	627.9	632.7
17.5°	580.5	579.9	581.7	582.9	586.5	588.6	589.9	594.2	599.0	604.8	611.0
20°	551.2	552.4	552.8	554.5	559.2	560.9	563.2	567.8	572.8	579.4	586.7
22.5°	521.2	522.9	523.7	525.9	529.7	531.0	533.4	540.2	545.6	551.5	558.2
25°	491.7	493.5	495.2	497.7	500.4	502.5	505.4	510.2	516.2	521.6	529.5
27.5°	462.8	464.4	464.9	468.0	471.0	473.8	475.5	481.1	486.3	492.9	500.4
30°	436.3	435.3	436.5	439.1	442.6	444.5	447.3	451.1	456.7	463.0	470.8
32.5°	407.2	407.2	409.1	412.2	414.9	416.4	417.3	422.4	428.1	434.2	440.5
35°	379.8	380.7	382.3	384.2	387.3	388.5	390.6	394.3	398.7	405.6	410.3
37.5°	353.2	354.0	355.6	357.5	359.8	362.1	363.1	367.1	370.4	376.0	380.4
40°	328.2	328.4	330.3	330.9	333.0	334.0	335.9	338.0	342.7	345.0	349.2
42.5°	302.8	304.0	304.7	306.4	306.6	308.4	309.4	310.1	313.8	315.3	317.6
45°	279.8	279.8	280.6	280.6	281.8	281.0	282.4	283.9	284.1	286.4	287.8
47.5°	255.9	255.2	256.2	255.9	255.6	255.6	256.2	256.4	257.1	258.7	259.4
50°	232.7	231.1	231.1	230.8	230.6	231.3	231.3	231.1	231.1	231.7	231.1
52.5°	209.0	208.6	207.4	206.5	205.9	205.9	205.9	205.0	205.0	204.5	202.9
55°	183.4	184.1	183.7	183.2	183.0	182.2	182.2	181.1	179.2	178.3	177.4
57.5°	161.4	162.3	162.3	161.4	160.2	159.7	158.5	157.9	156.2	154.6	152.7
60°	141.2	142.4	140.8	140.0	139.8	139.1	138.7	136.0	134.4	132.7	130.6
62.5°	121.9	122.5	121.3	120.6	119.8	119.2	118.9	116.8	114.0	111.9	109.4
65°	105.1	104.4	104.0	102.7	101.5	100.6	100.6	97.8	95.2	92.6	90.1
67.5°	87.5	88.0	87.3	86.3	84.4	83.6	82.1	80.3	77.8	75.3	72.2
70°	71.5	71.3	70.6	69.7	68.5	66.8	65.7	64.7	61.4	58.4	55.8
72.5°	57.0	56.8	56.1	54.9	53.2	52.6	51.6	49.3	46.6	44.1	41.2
75°	42.9	43.2	42.0	41.6	39.7	38.9	38.7	35.9	33.7	31.4	28.9
77.5°	30.8	30.8	29.5	28.7	27.7	27.2	26.2	24.6	23.0	20.6	18.5
80°	19.2	19.2	19.2	18.3	17.3	16.9	16.2	15.0	13.3	12.0	10.6
82.5°	10.4	10.4	9.8	9.6	9.1	8.7	8.5	7.9	6.8	6.1	5.2
85°	4.0	4.0	3.7	3.7	3.3	3.3	3.1	2.9	2.3	2.1	1.9
87.5°	0.4	0.4	0.4	0.4	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°	702.5	702.5	702.5	702.5	702.5	702.5	702.5	702.5	702.5	702.5	702.5
2.5°	700.2	700.2	699.9	700.2	700.2	700.2	700.2	700.2	700.2	700.2	700.4
5°	692.6	693.4	693.6	693.8	694.3	694.5	694.8	695.0	695.3	695.5	695.5
7.5°	683.0	684.7	685.9	687.0	687.6	688.0	688.7	689.6	690.3	690.3	690.1
10°	671.6	673.7	676.0	678.2	678.8	680.1	681.2	682.6	683.8	684.0	684.0
12.5°	656.6	658.9	663.1	666.6	668.0	669.7	672.0	674.1	675.3	676.0	675.8
15°	637.8	642.7	648.5	652.6	654.5	657.2	661.0	663.3	665.3	666.2	665.7
17.5°	617.3	623.7	630.0	635.4	638.1	640.8	646.0	650.2	653.0	653.7	653.3
20°	594.2	601.2	608.0	614.8	618.3	621.6	627.0	632.4	637.1	638.1	637.3
22.5°	566.5	574.5	582.7	590.4	594.4	597.5	605.2	611.3	616.7	619.0	617.3
25°	537.9	546.3	554.9	561.8	566.3	571.4	578.4	585.5	592.1	598.8	592.7
27.5°	507.3	515.1	524.3	533.7	537.9	541.6	548.9	557.8	564.6	571.4	564.6
30°	476.9	486.7	495.0	503.1	507.9	512.3	519.6	526.8	533.4	537.2	532.9
32.5°	448.2	455.5	463.8	471.7	475.0	478.5	484.6	491.4	497.7	498.9	496.1
35°	418.2	424.5	431.4	436.5	440.5	444.3	449.7	453.9	455.5	459.5	456.7
37.5°	384.2	389.8	396.0	399.7	403.2	406.2	410.3	414.0	415.4	418.5	416.4
40°	352.1	356.7	360.3	364.2	366.2	369.2	370.8	373.9	375.6	376.9	377.2
42.5°	321.1	323.7	326.3	329.1	329.8	330.5	334.5	336.6	338.2	339.2	337.8
45°	289.5	292.0	293.0	295.1	296.2	296.8	298.4	298.6	299.1	300.7	300.1
47.5°	260.6	260.8	261.6	262.5	262.9	262.9	263.9	262.9	263.5	263.7	264.1
50°	230.4	231.9	230.4	231.3	231.5	231.3	230.6	230.1	229.4	229.2	229.0
52.5°	201.7	202.0	201.1	200.3	199.6	199.9	198.0	197.0	197.2	195.9	197.5
55°	175.7	174.7	172.6	172.0	170.3	170.1	169.9	168.7	166.8	167.0	167.5
57.5°	150.6	148.9	146.8	145.6	145.2	143.3	143.1	141.2	140.0	139.8	139.8
60°	127.9	126.4	124.3	122.2	120.6	119.6	118.5	116.6	117.1	116.8	115.6
62.5°	106.3	104.6	101.5	99.2	98.3	97.6	95.9	94.6	93.8	94.6	93.8
65°	87.0	84.4	80.9	78.6	78.4	77.4	75.5	74.6	73.9	73.4	74.1
67.5°	69.2	65.7	63.6	60.5	59.1	58.6	56.1	54.7	54.9	54.7	54.9
70°	52.8	49.3	46.4	44.1	42.2	41.6	40.1	38.3	38.0	37.3	38.3
72.5°	38.3	35.2	32.6	30.0	28.3	27.4	25.6	23.7	23.3	22.7	22.7
75°	26.2	23.7	20.8	18.5	17.3	16.4	14.6	13.1	12.0	12.0	12.0
77.5°	16.4	14.3	12.2	10.6	9.8	8.9	7.3	5.8	5.4	4.7	5.0
80°	9.4	7.7	6.6	5.4	4.7	4.2	3.3	2.5	1.9	1.9	1.9
82.5°	4.4	3.7	2.9	2.3	2.1	1.7	1.2	1.0	0.7	0.4	0.4
85°	1.4	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°	702.5	702.5	702.5	702.5	702.5	702.5	702.5	702.5	702.5	702.5	702.5
2.5°	700.2	700.4	700.2	700.4	700.2	700.7	700.7	700.4	700.4	700.4	700.2
5°	695.3	695.3	695.0	695.0	695.0	694.8	694.1	694.1	693.6	693.4	693.0
7.5°	689.9	689.4	688.7	688.4	687.8	687.0	685.7	684.5	683.5	682.4	681.2
10°	683.3	682.1	680.7	679.7	679.3	677.6	675.5	672.8	670.9	668.7	666.4
12.5°	674.9	673.4	670.9	669.0	667.8	664.7	661.8	658.2	654.5	650.7	648.3
15°	663.9	661.4	658.2	656.4	654.3	650.0	644.6	639.7	636.0	631.7	626.0
17.5°	651.0	647.4	642.9	639.9	637.3	631.7	625.4	619.0	613.4	608.2	602.6
20°	633.1	628.9	623.5	619.5	616.9	609.6	602.9	595.3	588.6	582.4	575.9
22.5°	612.3	605.2	599.8	595.1	592.3	584.0	576.5	568.6	561.3	555.9	548.9
25°	585.9	579.2	572.4	568.6	564.1	555.5	547.7	539.5	532.7	525.9	519.3
27.5°	558.0	550.1	542.6	538.1	534.1	525.6	517.9	510.4	502.7	495.2	489.3
30°	527.5	519.6	513.7	508.1	503.6	496.8	487.1	479.6	472.9	466.1	460.0
32.5°	493.5	486.9	480.0	477.1	473.8	465.6	458.1	450.9	444.0	437.2	430.9
35°	454.1	449.0	444.7	441.7	439.6	432.3	426.4	418.7	414.5	407.7	403.0
37.5°	413.7	411.2	408.4	404.7	401.6	397.4	393.9	387.5	382.5	377.7	372.5
40°	375.0	372.3	368.5	366.6	365.9	362.1	357.3	354.0	351.1	346.7	343.8
42.5°	337.3	335.9	332.1	331.3	330.3	327.0	324.6	321.8	319.9	316.7	315.3
45°	298.9	298.6	297.6	296.8	296.2	293.9	293.5	289.9	288.3	287.6	286.2
47.5°	264.8	264.1	262.7	264.1	262.0	261.8	261.8	261.0	260.4	258.5	258.3
50°	230.1	231.3	231.5	230.8	232.3	231.9	230.8	231.1	231.5	232.5	231.1
52.5°	198.2	199.2	200.7	200.1	201.3	202.4	202.0	203.8	203.2	204.1	205.9
55°	168.0	170.5	172.2	171.4	172.4	173.8	174.3	175.9	177.4	179.0	180.1
57.5°	141.9	142.6	145.0	145.6	145.8	147.1	149.4	152.0	153.7	154.8	156.0
60°	116.3	118.7	120.4	120.4	122.2	123.8	126.0	128.3	130.2	133.1	135.1
62.5°	94.8	95.2	97.6	97.8	99.2	102.1	103.6	107.2	109.6	112.6	115.4
65°	73.9	76.0	77.4	77.6	79.7	81.9	84.2	87.5	90.7	93.4	95.9
67.5°	55.3	56.6	58.4	60.1	60.5	63.6	67.1	70.1	73.0	75.3	78.6
70°	38.7	39.7	42.2	43.2	44.5	47.0	49.7	53.0	56.3	59.5	62.2
72.5°	23.7	25.8	27.4	28.9	30.0	32.8	35.9	38.7	41.6	44.3	47.6
75°	13.1	14.6	16.4	17.9	19.0	21.2	23.9	26.8	29.3	31.9	34.3
77.5°	5.8	7.3	8.9	9.8	10.8	12.7	14.8	17.1	19.2	21.2	23.3
80°	2.3	3.3	4.2	5.0	5.4	6.6	8.2	9.4	10.8	12.5	14.1
82.5°	1.0	1.2	1.7	2.1	2.3	3.1	3.7	4.4	5.6	6.3	7.3
85°	0.2	0.2	0.4	0.4	0.7	1.0	1.2	1.7	1.9	2.1	2.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
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°	702.5	702.5	702.5	702.5	702.5	702.5	702.5	702.5
2.5°	700.2	699.9	699.9	699.9	699.9	699.7	699.7	699.7
5°	693.2	692.6	692.4	692.4	691.7	692.0	692.0	691.7
7.5°	680.7	680.3	679.5	680.1	679.7	679.1	678.8	678.6
10°	664.5	663.6	663.3	662.2	661.4	661.2	661.2	660.3
12.5°	645.3	642.7	642.5	641.3	639.7	638.7	639.2	637.8
15°	623.9	620.2	618.3	617.3	615.5	613.9	612.5	611.9
17.5°	597.9	593.6	592.3	591.3	587.3	587.1	585.3	584.6
20°	570.7	567.0	564.9	563.4	560.3	557.6	557.4	557.1
22.5°	544.2	538.1	536.2	534.1	530.8	528.5	527.0	525.9
25°	514.2	509.3	506.0	503.9	501.5	499.6	497.7	497.5
27.5°	484.2	479.4	477.3	475.5	472.4	470.3	468.4	469.4
30°	454.8	450.1	447.8	446.4	443.4	442.2	438.9	439.3
32.5°	425.7	421.5	419.9	417.0	414.3	412.8	411.6	410.7
35°	397.8	394.3	392.0	390.1	387.5	385.2	384.0	384.0
37.5°	369.4	365.9	364.8	363.3	361.0	357.7	356.5	357.5
40°	340.6	338.0	336.9	335.9	333.6	332.4	331.3	331.3
42.5°	313.2	310.5	310.3	309.4	307.6	306.8	305.9	305.1
45°	284.5	283.3	282.4	282.4	282.2	282.0	281.2	280.8
47.5°	257.1	257.3	256.9	256.6	256.9	256.2	257.1	256.4
50°	231.9	231.5	231.9	231.5	231.7	232.7	231.7	232.5
52.5°	205.3	207.4	207.6	206.7	207.6	208.2	208.8	209.9
55°	181.6	182.2	182.8	183.7	184.1	185.5	184.1	184.1
57.5°	158.5	159.7	160.2	160.9	162.8	162.1	163.3	164.1
60°	137.7	139.1	140.0	140.8	141.4	143.1	143.5	143.3
62.5°	117.3	119.4	119.6	121.5	121.9	123.1	124.1	123.1
65°	98.3	100.2	101.5	102.7	104.2	105.3	105.1	105.8
67.5°	80.9	83.2	84.4	84.9	86.8	87.3	88.4	89.2
70°	65.3	66.8	68.2	69.0	70.1	71.5	72.8	73.4
72.5°	49.7	52.4	53.7	54.2	56.1	57.0	57.4	58.2
75°	36.8	38.9	39.7	40.8	41.8	43.9	43.7	44.1
77.5°	25.6	27.0	28.3	28.3	30.0	30.5	31.6	31.9
80°	15.2	16.9	17.6	17.9	19.0	19.7	20.2	20.6
82.5°	7.9	9.1	9.1	9.6	10.6	10.6	10.8	11.2
85°	3.1	3.5	3.7	3.7	4.0	4.4	4.4	4.7
87.5°	0.4	0.4	0.4	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)