

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: P844067

Luminaire Tested: **LD6C15DE010B40 EU6C15B40 6LBLWWH**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844067
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: LD6C15DE010B40 EU6C15B40 6LBLWWH
Description:
Light Source: -
Ballast/Driver:

Summary

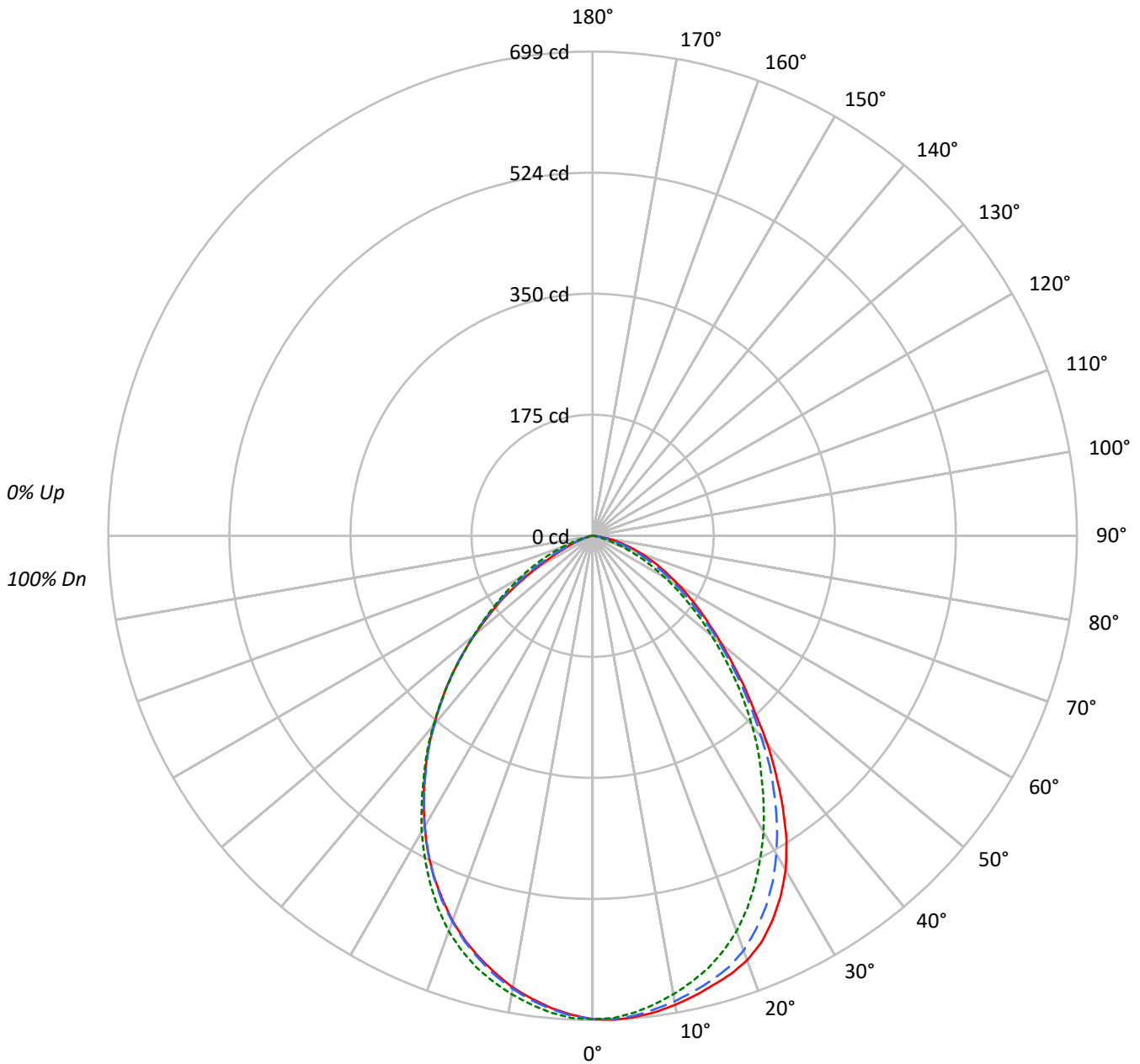
Lumens per Lamp: N/A
Luminaire Lumens: 1269.2 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P844067

CATALOG NUMBER: LD6C15DE010B40 EU6C15B40 6LBLWWH

Luminous Intensity Polar Plot





TEST NUMBER: P844067

CATALOG NUMBER: LD6C15DE010B40 EU6C15B40 6LBLWWH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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				100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89				89
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	78				78
3	95	87	80	74	93	85	79	74	82	77	73	80	75	71	77	73	70	68				68
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60				60
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	60	56	54				54
6	77	65	57	51	75	64	57	51	62	56	51	61	55	50	59	54	50	48				48
7	71	59	52	46	70	59	51	46	57	51	46	56	50	45	55	49	45	43				43
8	67	55	47	42	65	54	47	42	53	46	42	52	46	41	51	45	41	39				39
9	63	51	43	38	62	50	43	38	49	42	38	48	42	38	47	42	38	36				36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35	33				33

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	38248	38248	38248
5°	38383	38036	37662
10°	38270	37413	36867
15°	38122	36646	35795
20°	38037	35435	34490
25°	37109	33534	32796
30°	35265	31239	30714
35°	32009	28442	28255
40°	28081	25598	25462
45°	24072	22367	22545
50°	20716	19061	18959
55°	18112	16095	15111
60°	15920	13201	10306
65°	13944	10222	6200
70°	11877	6876	3638
75°	9595	3580	1991
80°	6693	1389	1105
85°	2642	440	629



TEST NUMBER: P844067

CATALOG NUMBER: LD6C15DE010B40 EU6C15B40 6LBLWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.4	5.2
10°-20°	182.6	14.4
20°-30°	259.8	20.5
30°-40°	273.4	21.5
40°-50°	227.9	18.0
50°-60°	154.0	12.1
60°-70°	78.1	6.2
70°-80°	25.2	2.0
80°-90°	2.9	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°	507.7	40.0
0°-40°	781.2	61.6
0°-60°	1163.0	91.6
0°-90°	1269.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1269.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	698	698	698	698	698	
5°	698	695	691	686	684	66
15°	672	664	646	633	631	190
25°	614	591	554	543	542	281
35°	478	458	425	421	422	298
45°	310	303	288	290	291	240
55°	190	180	168	163	158	171
65°	108	97	79	57	48	107
75°	45	35	17	9	9	49
85°	4	2	1	1	1	7
90°	0	0	0	0	0	



TEST NUMBER: P844067

CATALOG NUMBER: LD6C15DE010B40 EU6C15B40 6LBLWWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	697.7	697.7	697.7	697.7	697.7	697.7	697.7	697.7	697.7	697.7	697.7
2.5°	699.4	699.4	699.4	699.4	699.4	699.4	699.1	699.1	698.7	698.7	698.5
5°	697.5	697.7	697.7	697.5	697.5	697.0	697.0	696.8	696.1	695.6	695.4
7.5°	693.5	693.5	693.3	693.1	692.9	692.1	691.9	691.2	690.7	690.2	689.3
10°	687.5	687.5	687.1	686.7	686.5	686.0	686.0	685.0	684.2	682.9	682.3
12.5°	680.2	680.4	680.0	679.6	679.0	678.8	678.3	677.1	676.4	675.0	673.8
15°	671.7	672.1	672.1	671.3	670.5	670.3	669.6	668.8	667.3	665.9	664.4
17.5°	663.5	664.0	663.5	662.8	662.1	661.1	660.7	659.2	657.2	655.3	653.2
20°	652.0	652.7	651.8	650.6	649.2	649.0	648.2	645.9	642.8	640.1	637.0
22.5°	635.8	635.3	634.7	634.2	631.8	630.5	629.5	626.4	623.2	619.4	615.6
25°	613.5	614.5	613.1	611.0	609.8	608.4	606.0	602.7	599.7	595.8	591.2
27.5°	587.3	587.3	585.4	584.7	582.1	580.2	579.1	575.8	571.8	567.8	562.9
30°	557.1	555.6	555.6	552.3	550.2	549.5	548.4	543.0	539.4	535.2	530.3
32.5°	520.5	520.1	519.3	517.2	514.3	512.0	512.0	508.2	503.5	498.4	495.3
35°	478.3	478.5	477.9	475.6	475.6	472.9	472.3	469.1	465.4	461.3	457.5
37.5°	434.6	435.5	434.6	433.4	432.7	432.5	430.4	428.0	425.2	422.8	420.1
40°	392.4	391.0	391.4	389.1	389.3	388.9	387.9	384.9	383.2	380.9	377.8
42.5°	346.9	348.3	348.7	347.3	346.9	346.0	346.9	345.7	343.8	342.7	339.8
45°	310.5	309.1	309.8	309.4	309.6	307.7	307.0	306.5	305.9	303.8	302.6
47.5°	274.5	274.7	274.5	273.5	273.0	273.0	272.0	270.6	270.6	269.3	268.3
50°	242.9	242.9	243.5	242.3	241.8	240.8	241.1	239.7	238.7	237.5	236.9
52.5°	214.2	214.4	213.4	213.6	213.2	213.2	212.3	211.3	210.4	208.2	207.8
55°	189.5	189.7	188.6	189.0	187.6	186.9	186.5	185.1	185.1	183.0	180.3
57.5°	166.5	166.3	166.0	165.3	164.4	163.7	163.0	161.4	160.7	159.3	157.2
60°	145.2	144.9	144.5	144.3	143.5	141.9	141.9	140.8	138.3	137.0	134.8
62.5°	125.0	125.0	124.8	124.1	123.3	122.7	122.2	121.2	118.9	117.3	115.4
65°	107.5	107.1	106.5	105.3	104.8	104.8	103.2	102.5	100.6	99.0	96.9
67.5°	90.5	89.6	89.2	89.4	88.0	88.0	86.5	85.4	83.8	80.9	79.3
70°	74.1	73.6	73.2	72.7	72.4	71.5	70.9	69.4	67.8	65.7	63.1
72.5°	59.3	59.3	58.6	58.2	57.4	56.5	56.1	54.9	53.0	50.7	48.8
75°	45.3	45.3	45.3	44.3	43.9	43.4	42.0	41.2	39.1	37.8	35.4
77.5°	33.3	32.8	32.2	31.9	31.4	31.0	30.2	29.1	27.2	25.6	24.1
80°	21.2	21.8	21.2	21.2	19.9	19.5	19.2	17.9	17.1	15.8	14.5
82.5°	11.7	12.0	11.5	11.2	10.6	10.4	10.4	9.4	8.9	7.9	7.3
85°	4.2	4.4	4.2	4.2	3.7	4.0	3.7	3.5	3.1	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



TEST NUMBER: P844067

CATALOG NUMBER: LD6C15DE010B40 EU6C15B40 6LBLWWH

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	697.7	697.7	697.7	697.7	697.7	697.7	697.7	697.7	697.7	697.7	697.7
2.5°	698.5	697.9	697.9	697.7	697.5	697.5	697.5	697.3	696.8	696.8	696.6
5°	695.0	694.4	693.7	693.3	693.1	692.9	692.5	692.3	691.4	691.2	690.4
7.5°	688.6	688.1	686.9	686.5	685.8	685.6	684.6	684.2	683.2	682.3	681.8
10°	681.1	680.0	679.0	677.8	677.3	676.7	675.4	674.0	673.4	672.1	671.3
12.5°	672.7	671.3	669.4	668.0	667.5	666.3	664.4	663.2	661.7	659.8	658.1
15°	662.1	660.5	658.8	656.3	655.5	654.1	652.2	649.9	647.6	645.7	643.8
17.5°	650.6	648.0	645.5	642.6	640.5	639.8	636.8	633.5	631.4	628.1	626.0
20°	634.4	630.9	626.6	623.9	622.0	619.9	616.4	612.8	610.3	607.4	604.4
22.5°	612.2	608.9	603.9	599.7	598.3	595.2	592.2	588.9	585.6	582.5	578.8
25°	585.8	582.3	577.5	573.2	570.8	569.4	563.6	560.3	557.1	554.4	551.9
27.5°	558.9	552.5	549.2	542.7	540.6	540.1	534.7	531.2	527.7	524.2	520.9
30°	525.5	520.7	515.7	511.0	508.2	506.6	502.6	498.1	495.8	493.5	490.2
32.5°	491.2	486.6	480.6	476.1	474.0	471.6	468.1	465.0	461.6	459.0	458.3
35°	454.3	449.4	444.2	440.9	440.5	437.6	434.2	431.5	429.0	425.0	424.3
37.5°	414.9	412.1	408.6	403.9	401.8	401.8	398.2	396.4	393.1	392.8	391.0
40°	376.2	375.0	369.6	368.3	367.7	364.5	363.5	360.2	357.9	357.7	354.8
42.5°	337.9	335.0	334.0	331.7	329.6	329.0	326.9	325.5	324.6	323.2	321.7
45°	299.9	299.3	296.9	295.3	294.6	293.6	293.0	290.1	289.7	288.5	287.8
47.5°	267.2	265.3	263.1	261.2	261.0	259.6	258.0	258.0	255.4	255.2	254.7
50°	234.6	233.1	231.9	229.4	229.8	227.9	227.7	225.6	224.4	223.5	224.6
52.5°	205.9	203.1	202.6	200.5	199.8	200.1	197.5	196.8	196.3	195.3	194.9
55°	178.7	177.3	175.5	174.0	172.8	171.7	170.7	170.7	168.2	168.4	167.2
57.5°	154.8	153.6	151.2	149.1	148.7	147.3	146.2	144.9	144.7	143.1	141.9
60°	133.5	131.4	128.3	127.3	126.0	124.8	123.6	122.2	121.5	120.4	118.2
62.5°	113.5	110.0	108.8	106.9	105.3	104.6	102.7	101.1	99.9	98.3	96.7
65°	94.6	91.9	89.8	87.7	87.5	85.6	84.0	82.6	80.2	78.8	75.7
67.5°	77.2	74.8	72.4	70.3	68.7	68.2	65.7	64.0	62.4	59.5	57.0
70°	61.2	58.9	57.0	54.4	53.7	51.8	49.9	48.3	45.5	42.9	40.8
72.5°	46.6	44.1	42.0	40.1	38.9	37.3	35.4	33.5	30.7	28.1	26.2
75°	33.3	31.4	29.3	27.4	26.5	25.6	23.5	21.4	19.5	16.9	15.2
77.5°	22.5	20.6	18.7	17.1	16.0	15.2	13.9	12.2	10.6	9.1	7.9
80°	13.1	12.0	10.6	9.1	8.9	8.2	7.1	6.1	5.2	4.4	3.5
82.5°	6.3	5.6	4.7	4.0	3.5	3.3	2.9	2.3	1.9	1.7	1.7
85°	1.9	1.7	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



TEST NUMBER: P844067

CATALOG NUMBER: LD6C15DE010B40 EU6C15B40 6LBLWWH

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	697.7	697.7	697.7	697.7	697.7	697.7	697.7	697.7	697.7	697.7	697.7
2.5°	695.8	695.6	695.4	695.2	694.7	694.7	694.0	693.5	693.5	693.1	692.9
5°	689.8	689.0	688.8	688.3	687.9	687.7	686.7	686.5	686.0	685.6	685.6
7.5°	681.1	680.2	679.2	678.8	678.5	677.8	677.3	677.1	676.4	675.9	675.0
10°	669.6	668.8	667.7	667.3	666.7	666.3	665.1	664.4	664.2	663.8	663.2
12.5°	656.3	655.3	654.1	653.2	652.7	652.0	650.9	650.1	650.1	649.2	649.2
15°	641.9	640.5	638.4	637.4	637.2	635.8	634.9	633.9	632.8	632.3	632.3
17.5°	623.6	621.3	619.4	619.4	618.5	617.0	615.6	614.9	614.3	613.3	612.8
20°	602.0	600.4	598.3	598.3	596.2	595.8	594.3	594.1	592.4	592.7	592.0
22.5°	576.0	575.0	573.9	572.9	571.8	570.4	569.6	570.0	569.2	569.0	568.8
25°	549.8	547.1	545.7	545.3	544.8	543.6	543.2	543.0	543.0	542.2	542.5
27.5°	519.5	517.6	515.7	516.4	515.5	514.8	514.3	513.6	514.1	513.9	514.1
30°	488.5	486.2	485.0	485.5	485.2	483.3	484.3	484.1	484.3	484.3	484.8
32.5°	455.9	454.3	454.0	454.3	452.1	452.5	451.5	452.9	453.1	454.6	453.3
35°	422.8	421.9	420.3	420.1	420.3	420.1	420.1	420.9	420.7	422.2	421.7
37.5°	388.9	388.4	386.8	387.2	386.2	387.9	388.4	387.9	389.5	389.1	388.9
40°	355.6	354.8	353.9	355.8	354.6	353.7	355.4	353.9	354.4	355.8	355.8
42.5°	321.7	320.6	320.6	320.6	320.4	320.4	321.1	321.7	321.3	321.5	323.4
45°	287.8	287.6	286.8	287.3	287.0	288.2	288.2	288.7	289.7	290.6	290.1
47.5°	254.9	254.5	255.2	254.7	254.9	254.3	254.7	256.2	257.3	255.6	257.3
50°	224.2	223.3	223.1	223.8	223.5	223.3	223.8	223.8	223.3	223.3	225.0
52.5°	194.9	194.0	193.2	194.4	193.8	194.0	193.0	193.0	193.4	193.0	192.3
55°	167.4	166.8	165.8	166.3	165.1	164.9	163.9	163.9	163.2	162.8	161.4
57.5°	141.2	140.8	138.7	138.3	138.7	137.0	135.4	134.6	132.7	132.3	132.0
60°	117.9	115.4	114.2	112.8	111.9	111.2	109.3	108.1	105.3	103.6	103.4
62.5°	93.8	92.6	91.3	89.2	88.6	86.3	84.4	81.3	80.0	77.8	75.7
65°	74.4	71.3	69.2	68.0	66.1	64.0	61.9	58.6	57.0	54.4	52.4
67.5°	54.4	51.8	49.0	48.1	46.4	43.9	41.8	38.9	37.5	35.2	34.5
70°	37.3	34.9	32.8	31.4	30.2	27.7	25.6	24.6	23.3	22.7	22.7
72.5°	23.9	21.8	19.5	18.7	17.9	16.4	15.0	14.5	15.0	14.8	14.8
75°	13.3	12.2	10.6	9.8	9.8	9.4	9.1	9.1	9.1	9.1	9.1
77.5°	6.8	6.1	5.6	5.4	5.4	5.4	5.6	5.6	5.6	5.8	5.6
80°	3.3	3.1	3.1	3.1	3.3	3.3	3.3	3.3	3.3	3.5	3.3
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.9	1.9	1.9	1.9	1.9
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



TEST NUMBER: P844067

CATALOG NUMBER: LD6C15DE010B40 EU6C15B40 6LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	697.7	697.7	697.7	697.7	697.7	697.7	697.7	697.7
2.5°	692.5	692.1	692.1	691.9	691.9	691.9	691.9	692.1
5°	685.0	684.8	684.8	684.4	684.4	684.4	684.4	684.4
7.5°	675.0	674.6	674.8	674.2	674.2	674.6	674.2	674.0
10°	662.6	662.3	662.6	662.6	662.1	661.9	662.1	662.3
12.5°	648.4	648.2	647.8	648.0	648.0	647.8	647.6	647.1
15°	632.0	631.8	631.6	631.4	631.1	631.4	631.1	630.7
17.5°	612.8	612.8	612.6	612.4	612.2	611.6	611.9	612.6
20°	592.2	592.0	591.5	591.7	590.8	590.4	590.6	591.2
22.5°	568.5	567.8	568.3	567.5	567.5	567.8	567.5	567.1
25°	542.7	541.7	542.2	542.5	542.5	542.2	542.0	542.2
27.5°	514.1	514.8	514.8	514.3	515.1	514.1	514.5	514.8
30°	484.8	484.1	483.9	484.8	486.2	485.0	485.0	485.2
32.5°	454.6	453.6	453.6	454.0	453.8	453.8	454.8	453.6
35°	422.2	422.6	420.7	421.9	422.4	421.9	422.2	422.2
37.5°	389.5	389.1	389.1	389.1	389.8	389.8	390.3	390.1
40°	357.5	356.5	356.2	356.7	355.8	356.5	356.5	355.8
42.5°	322.7	323.0	324.2	323.0	323.2	323.0	322.5	322.3
45°	290.6	291.3	290.8	290.6	290.8	289.9	290.1	290.8
47.5°	256.6	258.0	256.6	257.5	257.3	256.8	256.4	255.4
50°	224.6	225.2	225.0	224.6	224.4	224.2	223.1	222.3
52.5°	192.1	192.1	192.1	192.1	189.7	190.9	190.5	189.0
55°	160.2	160.9	159.9	159.9	158.3	158.3	157.8	158.1
57.5°	129.5	128.7	128.1	128.1	126.4	125.8	125.0	124.1
60°	100.9	100.2	99.2	98.0	96.4	96.4	95.9	94.0
62.5°	73.9	72.7	72.0	71.1	69.7	68.7	68.0	68.5
65°	50.7	49.5	48.5	48.5	48.5	48.1	47.8	47.8
67.5°	33.3	34.1	33.5	34.1	34.1	33.5	33.3	33.7
70°	23.0	23.0	22.7	22.7	22.7	22.7	22.5	22.7
72.5°	14.8	14.8	14.8	15.0	14.8	14.8	15.0	15.0
75°	9.4	9.4	9.4	9.6	9.4	9.4	9.6	9.4
77.5°	5.6	5.8	5.8	5.8	5.8	5.6	5.8	5.8
80°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
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



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°













(END OF REPORT)