

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: P684340

Luminaire Tested: **LX6C05D010 EX6C059035 6LBLWWH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684340
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-10)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C05D010 EX6C059035 6LBLWWH
Description: 6 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS AND 6LRLWW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

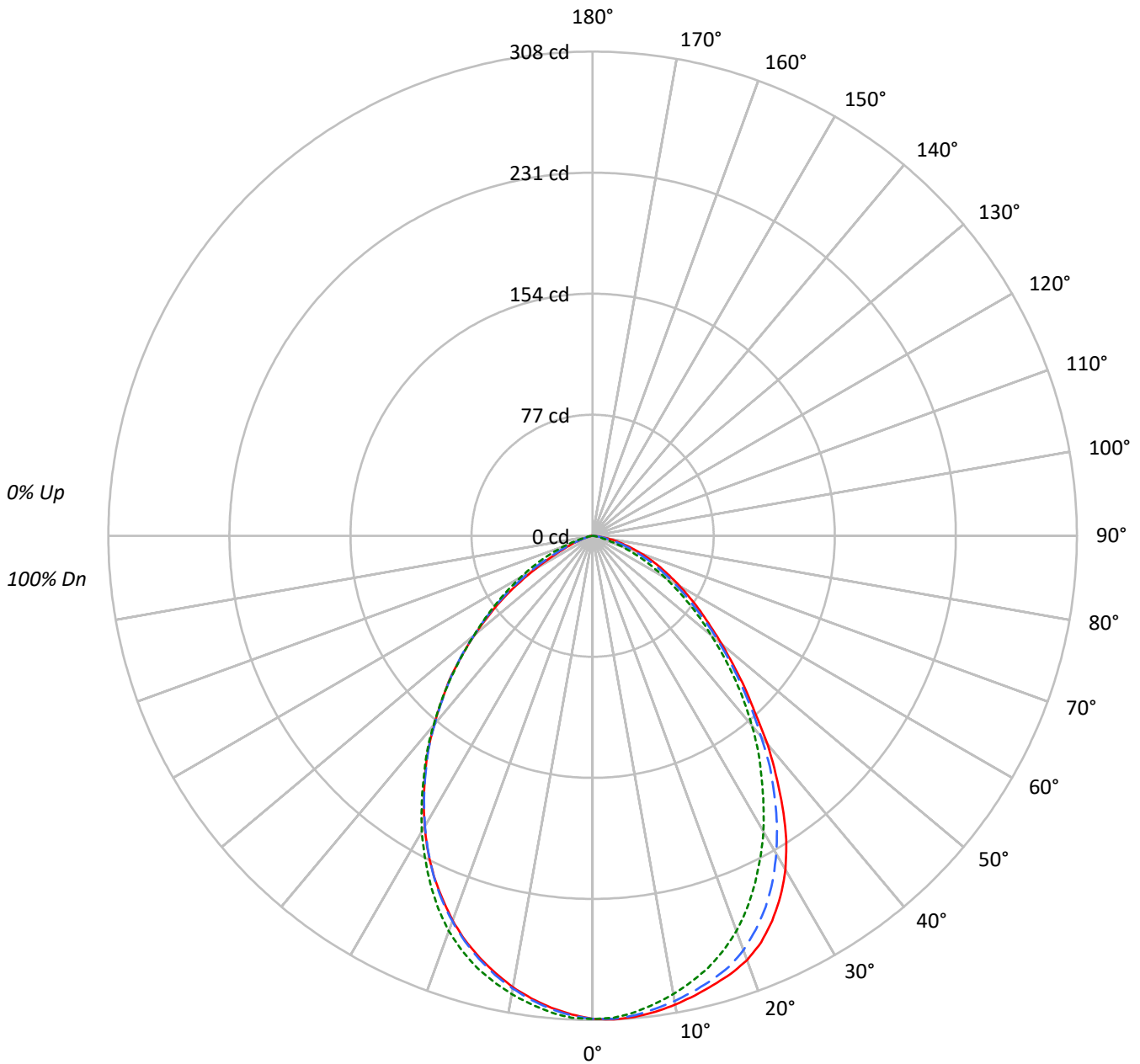
Lumens per Lamp: N/A
Luminaire Lumens: 559.0 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V):
Input Current (A_{in}): 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: P684340

CATALOG NUMBER: LX6C05D010 EX6C059035 6LBLWWH

Luminous Intensity Polar Plot





TEST NUMBER: P684340

CATALOG NUMBER: LX6C05D010 EX6C059035 6LBLWWH

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°	16846	16846	16846
5°	16905	16751	16586
10°	16856	16483	16238
15°	16794	16141	15766
20°	16755	15606	15191
25°	16344	14771	14444
30°	15528	13755	13527
35°	14094	12528	12441
40°	12366	11271	11214
45°	10606	9854	9931
50°	9125	8392	8349
55°	7981	7092	6652
60°	7006	5811	4539
65°	6136	4501	2737
70°	5225	3029	1603
75°	4215	1567	868
80°	2936	631	474
85°	1195	189	252



TEST NUMBER: P684340

CATALOG NUMBER: LX6C05D010 EX6C059035 6LBLWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.8	5.2
10°-20°	80.4	14.4
20°-30°	114.4	20.5
30°-40°	120.4	21.5
40°-50°	100.4	18.0
50°-60°	67.8	12.1
60°-70°	34.4	6.2
70°-80°	11.1	2.0
80°-90°	1.3	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°	223.6	40.0
0°-40°	344.1	61.6
0°-60°	512.2	91.6
0°-90°	559.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	559.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	307	307	307	307	307	
5°	307	306	304	302	301	29
15°	296	293	284	279	278	84
25°	270	260	244	239	239	124
35°	211	202	187	185	186	131
45°	137	133	127	128	128	106
55°	84	79	74	72	70	75
65°	47	43	35	25	21	47
75°	20	16	7	4	4	22
85°	2	1	0	0	0	3
90°	0	0	0	0	0	



TEST NUMBER: P684340

CATALOG NUMBER: LX6C05D010 EX6C059035 6LBLWWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	307.3	307.3	307.3	307.3	307.3	307.3	307.3	307.3	307.3	307.3	307.3
2.5°	308.0	308.0	308.0	308.0	308.0	308.0	307.9	307.9	307.7	307.7	307.6
5°	307.2	307.3	307.3	307.2	307.2	307.0	307.0	306.9	306.6	306.4	306.3
7.5°	305.5	305.5	305.4	305.3	305.1	304.8	304.7	304.4	304.2	304.0	303.6
10°	302.8	302.8	302.7	302.5	302.4	302.2	302.2	301.7	301.3	300.8	300.5
12.5°	299.6	299.7	299.5	299.4	299.1	298.9	298.7	298.2	297.9	297.3	296.8
15°	295.9	296.1	296.1	295.6	295.3	295.2	294.9	294.6	293.9	293.3	292.6
17.5°	292.2	292.4	292.2	291.9	291.6	291.2	291.0	290.4	289.4	288.6	287.7
20°	287.2	287.5	287.1	286.6	285.9	285.8	285.5	284.5	283.1	281.9	280.6
22.5°	280.0	279.8	279.5	279.3	278.3	277.7	277.3	275.9	274.5	272.8	271.2
25°	270.2	270.6	270.0	269.1	268.6	268.0	266.9	265.5	264.1	262.4	260.4
27.5°	258.7	258.7	257.8	257.5	256.4	255.6	255.0	253.6	251.8	250.1	247.9
30°	245.3	244.7	244.7	243.3	242.3	242.0	241.5	239.1	237.6	235.7	233.6
32.5°	229.2	229.1	228.7	227.8	226.5	225.5	225.5	223.9	221.8	219.5	218.2
35°	210.6	210.7	210.5	209.5	209.5	208.3	208.0	206.6	204.9	203.2	201.5
37.5°	191.4	191.8	191.4	190.9	190.6	190.5	189.6	188.5	187.3	186.2	185.0
40°	172.8	172.2	172.4	171.4	171.5	171.3	170.9	169.5	168.8	167.8	166.4
42.5°	152.8	153.4	153.6	153.0	152.8	152.4	152.8	152.3	151.4	150.9	149.7
45°	136.8	136.1	136.5	136.3	136.4	135.5	135.2	135.0	134.7	133.8	133.3
47.5°	120.9	121.0	120.9	120.4	120.2	120.2	119.8	119.2	119.2	118.6	118.2
50°	107.0	107.0	107.2	106.7	106.5	106.1	106.2	105.6	105.2	104.6	104.3
52.5°	94.3	94.4	94.0	94.1	93.9	93.9	93.5	93.1	92.7	91.7	91.5
55°	83.5	83.6	83.1	83.3	82.6	82.3	82.1	81.5	81.5	80.6	79.4
57.5°	73.3	73.2	73.1	72.8	72.4	72.1	71.8	71.1	70.8	70.1	69.2
60°	63.9	63.8	63.6	63.5	63.2	62.5	62.5	62.0	60.9	60.3	59.4
62.5°	55.1	55.1	55.0	54.6	54.3	54.0	53.8	53.4	52.4	51.6	50.8
65°	47.3	47.2	46.9	46.4	46.2	46.2	45.5	45.1	44.3	43.6	42.7
67.5°	39.9	39.5	39.3	39.4	38.7	38.7	38.1	37.6	36.9	35.6	34.9
70°	32.6	32.4	32.2	32.0	31.9	31.5	31.2	30.6	29.9	28.9	27.8
72.5°	26.1	26.1	25.8	25.6	25.3	24.9	24.7	24.2	23.3	22.3	21.5
75°	19.9	19.9	19.9	19.5	19.3	19.1	18.5	18.2	17.3	16.6	15.6
77.5°	14.7	14.5	14.2	14.0	13.8	13.6	13.3	12.8	12.0	11.3	10.6
80°	9.3	9.6	9.3	9.3	8.8	8.6	8.5	7.9	7.5	6.9	6.4
82.5°	5.2	5.3	5.1	5.0	4.6	4.5	4.5	4.1	3.9	3.5	3.2
85°	1.9	2.0	1.9	1.9	1.7	1.8	1.7	1.5	1.3	1.1	1.0
87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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: P684340

CATALOG NUMBER: LX6C05D010 EX6C059035 6LBLWWH

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	307.3	307.3	307.3	307.3	307.3	307.3	307.3	307.3	307.3	307.3	307.3
2.5°	307.6	307.4	307.4	307.3	307.2	307.2	307.2	307.1	306.9	306.9	306.8
5°	306.1	305.9	305.6	305.4	305.3	305.1	305.0	304.9	304.5	304.4	304.1
7.5°	303.3	303.1	302.6	302.4	302.0	301.9	301.5	301.3	300.9	300.5	300.3
10°	300.0	299.5	299.1	298.5	298.3	298.0	297.5	296.9	296.6	296.1	295.6
12.5°	296.3	295.6	294.8	294.2	294.0	293.5	292.6	292.1	291.4	290.6	289.9
15°	291.6	290.9	290.2	289.0	288.7	288.1	287.3	286.2	285.2	284.4	283.6
17.5°	286.6	285.4	284.3	283.0	282.1	281.8	280.5	279.0	278.1	276.6	275.7
20°	279.4	277.9	276.0	274.8	274.0	273.0	271.5	269.9	268.8	267.5	266.2
22.5°	269.6	268.2	266.0	264.1	263.5	262.2	260.8	259.4	257.9	256.6	254.9
25°	258.0	256.5	254.3	252.5	251.4	250.8	248.2	246.8	245.3	244.2	243.1
27.5°	246.2	243.4	241.9	239.0	238.1	237.9	235.5	234.0	232.4	230.9	229.4
30°	231.5	229.3	227.2	225.1	223.9	223.1	221.4	219.4	218.4	217.3	215.9
32.5°	216.3	214.3	211.7	209.7	208.8	207.7	206.2	204.8	203.3	202.2	201.8
35°	200.1	197.9	195.6	194.2	194.0	192.8	191.2	190.1	188.9	187.2	186.9
37.5°	182.7	181.5	179.9	177.9	177.0	177.0	175.4	174.6	173.1	173.0	172.2
40°	165.7	165.2	162.8	162.2	162.0	160.5	160.1	158.7	157.6	157.5	156.3
42.5°	148.9	147.5	147.1	146.1	145.1	144.9	144.0	143.4	143.0	142.3	141.7
45°	132.1	131.8	130.8	130.1	129.7	129.3	129.0	127.8	127.6	127.1	126.7
47.5°	117.7	116.8	115.9	115.1	115.0	114.4	113.6	113.6	112.5	112.4	112.2
50°	103.3	102.7	102.2	101.0	101.2	100.4	100.3	99.4	98.9	98.4	99.0
52.5°	90.7	89.5	89.3	88.3	88.0	88.1	87.0	86.7	86.5	86.0	85.8
55°	78.7	78.1	77.3	76.6	76.1	75.6	75.2	75.2	74.1	74.2	73.7
57.5°	68.2	67.7	66.6	65.7	65.5	64.9	64.4	63.8	63.7	63.0	62.5
60°	58.8	57.8	56.5	56.1	55.5	55.0	54.4	53.8	53.5	53.0	52.1
62.5°	50.0	48.4	47.9	47.1	46.4	46.1	45.2	44.5	44.0	43.3	42.6
65°	41.6	40.5	39.6	38.6	38.5	37.7	37.0	36.4	35.3	34.7	33.4
67.5°	34.0	33.0	31.9	31.0	30.3	30.1	28.9	28.2	27.5	26.2	25.1
70°	27.0	25.9	25.1	24.0	23.7	22.8	22.0	21.3	20.0	18.9	18.0
72.5°	20.6	19.4	18.5	17.7	17.1	16.4	15.6	14.8	13.5	12.4	11.6
75°	14.7	13.8	12.9	12.1	11.7	11.3	10.3	9.4	8.6	7.4	6.7
77.5°	9.9	9.1	8.3	7.5	7.0	6.7	6.1	5.4	4.6	4.0	3.5
80°	5.8	5.3	4.6	4.0	3.9	3.6	3.1	2.7	2.3	2.0	1.5
82.5°	2.8	2.5	2.1	1.8	1.5	1.4	1.2	1.0	0.8	0.7	0.7
85°	0.8	0.7	0.6	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3
87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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: P684340

CATALOG NUMBER: LX6C05D010 EX6C059035 6LBLWWH

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	307.3	307.3	307.3	307.3	307.3	307.3	307.3	307.3	307.3	307.3	307.3
2.5°	306.5	306.4	306.3	306.2	306.0	306.0	305.7	305.5	305.5	305.3	305.1
5°	303.8	303.5	303.4	303.2	303.0	302.9	302.5	302.4	302.2	301.9	301.9
7.5°	300.0	299.6	299.2	298.9	298.8	298.5	298.3	298.2	297.9	297.7	297.3
10°	294.9	294.6	294.1	293.9	293.7	293.5	293.0	292.6	292.5	292.3	292.1
12.5°	289.0	288.6	288.1	287.7	287.5	287.2	286.7	286.3	286.3	285.9	285.9
15°	282.7	282.1	281.2	280.8	280.7	280.0	279.6	279.2	278.7	278.5	278.5
17.5°	274.7	273.6	272.8	272.8	272.4	271.8	271.2	270.9	270.5	270.1	269.9
20°	265.2	264.4	263.5	263.5	262.6	262.4	261.8	261.7	260.9	261.0	260.7
22.5°	253.7	253.3	252.8	252.4	251.8	251.2	250.9	251.0	250.7	250.6	250.5
25°	242.1	241.0	240.4	240.2	240.0	239.4	239.2	239.1	239.1	238.8	238.9
27.5°	228.8	228.0	227.2	227.5	227.1	226.7	226.5	226.2	226.4	226.3	226.4
30°	215.2	214.1	213.6	213.8	213.7	212.9	213.3	213.2	213.3	213.3	213.5
32.5°	200.8	200.1	200.0	200.1	199.2	199.3	198.9	199.5	199.6	200.2	199.7
35°	186.2	185.8	185.1	185.0	185.1	185.0	185.0	185.4	185.3	185.9	185.7
37.5°	171.3	171.1	170.3	170.5	170.1	170.9	171.1	170.9	171.6	171.4	171.3
40°	156.6	156.3	155.9	156.7	156.2	155.8	156.5	155.9	156.1	156.7	156.7
42.5°	141.7	141.2	141.2	141.2	141.1	141.1	141.4	141.7	141.5	141.6	142.5
45°	126.7	126.6	126.3	126.5	126.4	127.0	127.0	127.2	127.6	128.0	127.8
47.5°	112.3	112.1	112.4	112.2	112.3	112.0	112.2	112.8	113.3	112.6	113.3
50°	98.8	98.3	98.2	98.5	98.4	98.3	98.5	98.5	98.3	98.3	99.1
52.5°	85.8	85.4	85.1	85.6	85.3	85.4	85.0	85.0	85.2	85.0	84.7
55°	73.8	73.4	73.0	73.2	72.7	72.6	72.2	72.2	71.9	71.7	71.1
57.5°	62.2	62.0	61.1	60.9	61.1	60.3	59.6	59.3	58.5	58.3	58.2
60°	52.0	50.8	50.3	49.7	49.3	49.0	48.1	47.6	46.4	45.7	45.6
62.5°	41.3	40.8	40.2	39.3	39.0	38.0	37.2	35.8	35.2	34.3	33.4
65°	32.7	31.4	30.5	30.0	29.1	28.2	27.3	25.8	25.1	24.0	23.0
67.5°	24.0	22.8	21.6	21.2	20.5	19.3	18.4	17.1	16.5	15.5	15.2
70°	16.4	15.4	14.5	13.8	13.3	12.2	11.3	10.8	10.2	10.0	10.0
72.5°	10.5	9.6	8.6	8.3	7.9	7.2	6.6	6.4	6.6	6.5	6.5
75°	5.9	5.4	4.6	4.3	4.3	4.1	4.0	4.0	4.0	4.0	4.0
77.5°	3.0	2.7	2.5	2.4	2.4	2.4	2.5	2.5	2.5	2.6	2.5
80°	1.4	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.4
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
85°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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: P684340

CATALOG NUMBER: LX6C05D010 EX6C059035 6LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	307.3	307.3	307.3	307.3	307.3	307.3	307.3	307.3
2.5°	305.0	304.8	304.8	304.7	304.7	304.7	304.7	304.8
5°	301.7	301.6	301.6	301.4	301.4	301.4	301.4	301.4
7.5°	297.3	297.1	297.2	297.0	297.0	297.1	297.0	296.9
10°	291.8	291.7	291.8	291.8	291.6	291.5	291.6	291.7
12.5°	285.6	285.5	285.3	285.4	285.4	285.3	285.2	285.0
15°	278.4	278.3	278.2	278.1	278.0	278.1	278.0	277.8
17.5°	269.9	269.9	269.8	269.7	269.6	269.4	269.5	269.8
20°	260.8	260.7	260.5	260.6	260.2	260.0	260.1	260.4
22.5°	250.4	250.1	250.3	250.0	250.0	250.1	250.0	249.8
25°	239.0	238.6	238.8	238.9	238.9	238.8	238.7	238.8
27.5°	226.4	226.7	226.7	226.5	226.8	226.4	226.6	226.7
30°	213.5	213.2	213.1	213.5	214.1	213.6	213.6	213.7
32.5°	200.2	199.8	199.8	200.0	199.9	199.9	200.3	199.8
35°	185.9	186.1	185.3	185.8	186.0	185.8	185.9	185.9
37.5°	171.6	171.4	171.4	171.4	171.7	171.7	171.9	171.8
40°	157.4	157.0	156.9	157.1	156.7	157.0	157.0	156.7
42.5°	142.1	142.2	142.8	142.2	142.3	142.2	142.0	141.9
45°	128.0	128.3	128.1	128.0	128.1	127.7	127.8	128.1
47.5°	113.0	113.6	113.0	113.4	113.3	113.1	112.9	112.5
50°	99.0	99.2	99.1	99.0	98.9	98.8	98.2	97.9
52.5°	84.6	84.6	84.6	84.6	83.6	84.1	83.9	83.3
55°	70.6	70.9	70.5	70.5	69.7	69.7	69.5	69.6
57.5°	57.0	56.7	56.4	56.4	55.7	55.4	55.1	54.6
60°	44.4	44.1	43.7	43.2	42.5	42.5	42.2	41.4
62.5°	32.5	32.0	31.7	31.3	30.7	30.3	30.0	30.2
65°	22.3	21.8	21.4	21.4	21.4	21.2	21.1	21.1
67.5°	14.7	15.0	14.8	15.0	15.0	14.8	14.7	14.9
70°	10.1	10.1	10.0	10.0	10.0	10.0	9.9	10.0
72.5°	6.5	6.5	6.5	6.6	6.5	6.5	6.6	6.6
75°	4.1	4.1	4.1	4.2	4.1	4.1	4.2	4.1
77.5°	2.5	2.6	2.6	2.6	2.6	2.5	2.6	2.6
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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)