

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: P843863

Luminaire Tested: **LD6C08DE010B2750 EU6C08B30 6LBLWWH**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843863
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: LD6C08DE010B2750 EU6C08B30 6LBLWWH
Description:
Light Source: -
Ballast/Driver:

Summary

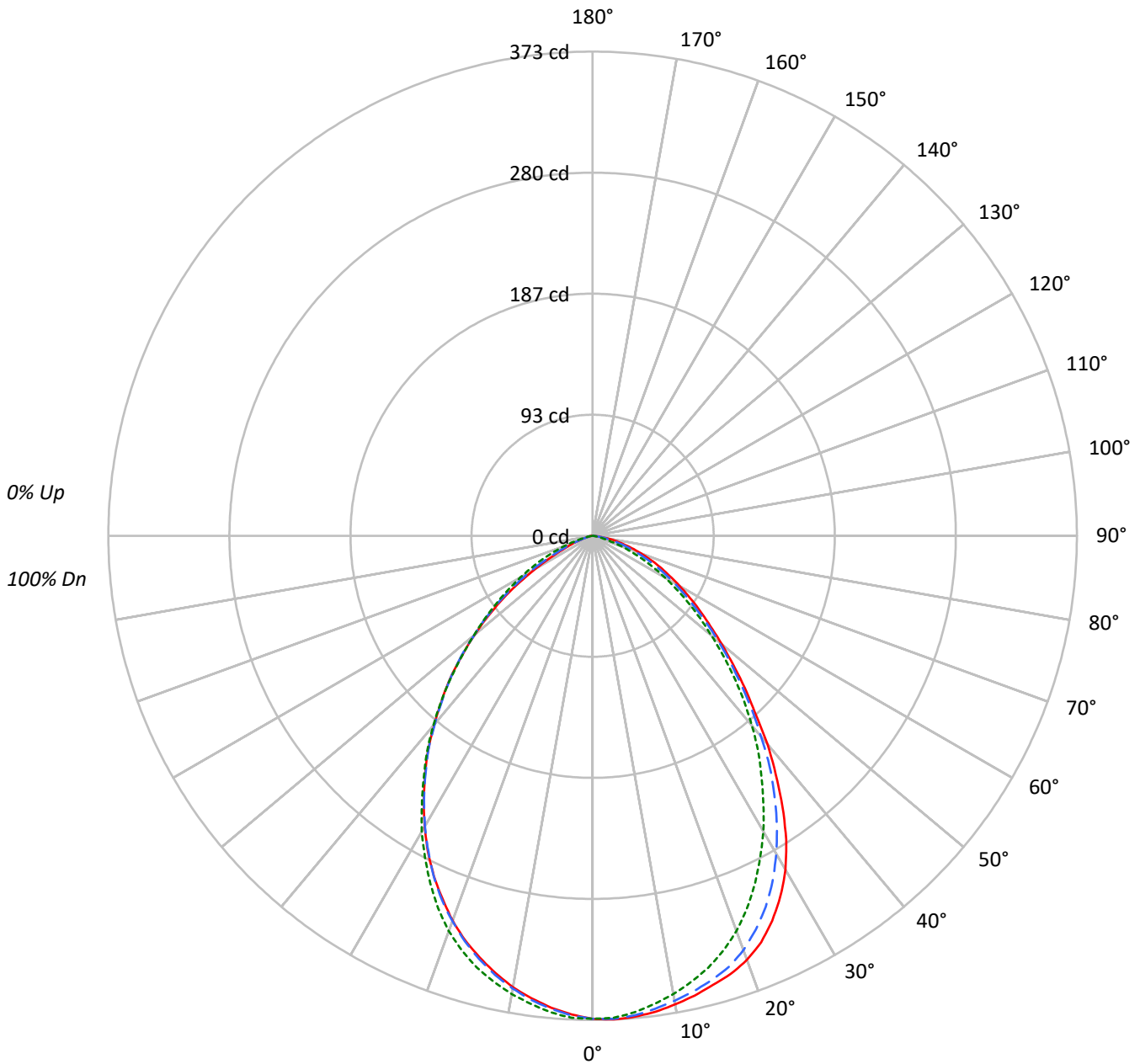
Lumens per Lamp: N/A
Luminaire Lumens: 676.9 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.6
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: P843863

CATALOG NUMBER: LD6C08DE010B2750 EU6C08B30 6LBLWWH

Luminous Intensity Polar Plot





TEST NUMBER: P843863

CATALOG NUMBER: LD6C08DE010B2750 EU6C08B30 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°	20399	20399	20399
5°	20471	20284	20086
10°	20407	19956	19661
15°	20329	19546	19086
20°	20284	18902	18400
25°	19791	17886	17493
30°	18807	16654	16382
35°	17065	15171	15071
40°	14978	13654	13575
45°	12839	11931	12032
50°	11053	10166	10115
55°	9663	8583	8057
60°	8486	7039	5493
65°	7433	5448	3308
70°	6347	3654	1955
75°	5105	1906	1059
80°	3536	726	600
85°	1384	252	314



TEST NUMBER: P843863

CATALOG NUMBER: LD6C08DE010B2750 EU6C08B30 6LBLWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.9	5.2
10°-20°	97.4	14.4
20°-30°	138.6	20.5
30°-40°	145.8	21.5
40°-50°	121.5	18.0
50°-60°	82.1	12.1
60°-70°	41.6	6.2
70°-80°	13.4	2.0
80°-90°	1.5	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°	270.8	40.0
0°-40°	416.6	61.6
0°-60°	620.3	91.6
0°-90°	676.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	676.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	372	372	372	372	372	
5°	372	371	369	366	365	35
15°	358	354	344	338	336	101
25°	327	315	296	290	289	150
35°	255	244	227	224	225	159
45°	166	161	154	154	155	128
55°	101	96	90	87	84	91
65°	57	52	42	30	26	57
75°	24	19	9	5	5	26
85°	2	1	0	0	0	4
90°	0	0	0	0	0	



TEST NUMBER: P843863

CATALOG NUMBER: LD6C08DE010B2750 EU6C08B30 6LBLWWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	372.1	372.1	372.1	372.1	372.1	372.1	372.1	372.1	372.1	372.1	372.1
2.5°	373.0	373.0	373.0	373.0	373.0	373.0	372.9	372.9	372.6	372.6	372.5
5°	372.0	372.1	372.1	372.0	372.0	371.8	371.8	371.7	371.2	371.0	370.9
7.5°	369.9	369.9	369.7	369.6	369.5	369.1	369.0	368.6	368.4	368.2	367.6
10°	366.6	366.6	366.5	366.3	366.2	365.8	365.8	365.4	364.9	364.2	363.8
12.5°	362.8	362.9	362.7	362.5	362.1	362.0	361.7	361.1	360.8	360.0	359.4
15°	358.2	358.5	358.5	358.0	357.6	357.5	357.2	356.7	355.9	355.2	354.4
17.5°	353.9	354.1	353.9	353.5	353.1	352.6	352.4	351.7	350.5	349.4	348.4
20°	347.7	348.1	347.6	347.0	346.3	346.1	345.7	344.5	342.9	341.4	339.7
22.5°	339.1	338.9	338.4	338.2	337.0	336.2	335.7	334.1	332.3	330.3	328.4
25°	327.2	327.8	327.0	325.9	325.2	324.5	323.2	321.4	319.8	317.7	315.4
27.5°	313.2	313.2	312.2	311.8	310.4	309.5	308.8	307.0	304.9	302.8	300.2
30°	297.1	296.3	296.3	294.6	293.5	293.1	292.4	289.6	287.7	285.5	282.8
32.5°	277.5	277.4	276.9	275.8	274.4	273.1	273.1	271.1	268.5	265.8	264.2
35°	255.0	255.2	254.9	253.6	253.6	252.1	251.9	250.1	248.1	246.0	244.0
37.5°	231.8	232.3	231.8	231.2	230.8	230.7	229.5	228.2	226.8	225.5	224.0
40°	209.3	208.6	208.8	207.5	207.6	207.4	206.9	205.3	204.4	203.2	201.5
42.5°	185.0	185.7	186.0	185.3	185.0	184.5	185.0	184.3	183.4	182.8	181.3
45°	165.6	164.9	165.2	165.0	165.1	164.1	163.7	163.5	163.1	162.0	161.4
47.5°	146.4	146.5	146.4	145.8	145.6	145.6	145.1	144.4	144.4	143.6	143.1
50°	129.6	129.6	129.9	129.2	128.9	128.5	128.6	127.9	127.3	126.7	126.4
52.5°	114.2	114.3	113.8	113.9	113.7	113.7	113.2	112.7	112.2	111.1	110.8
55°	101.1	101.2	100.6	100.8	100.1	99.7	99.4	98.7	98.7	97.5	96.1
57.5°	88.8	88.7	88.5	88.2	87.7	87.4	86.9	86.1	85.7	84.9	83.8
60°	77.4	77.3	77.1	76.9	76.6	75.7	75.7	75.1	73.8	73.1	71.9
62.5°	66.6	66.6	66.5	66.2	65.8	65.5	65.2	64.6	63.5	62.5	61.6
65°	57.3	57.1	56.8	56.2	55.9	55.9	55.0	54.7	53.6	52.8	51.6
67.5°	48.3	47.8	47.5	47.7	47.0	47.0	46.1	45.5	44.6	43.2	42.3
70°	39.6	39.2	39.0	38.8	38.6	38.2	37.8	37.0	36.2	35.0	33.6
72.5°	31.6	31.6	31.3	31.0	30.7	30.1	29.9	29.3	28.2	27.0	26.0
75°	24.1	24.1	24.1	23.7	23.4	23.2	22.4	22.0	20.9	20.1	18.9
77.5°	17.8	17.6	17.1	17.0	16.7	16.5	16.2	15.5	14.5	13.6	12.9
80°	11.2	11.6	11.2	11.2	10.7	10.4	10.3	9.5	9.1	8.4	7.7
82.5°	6.2	6.3	6.1	6.0	5.6	5.5	5.5	5.0	4.8	4.2	3.9
85°	2.2	2.3	2.2	2.2	2.0	2.1	2.0	1.9	1.6	1.4	1.3
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: P843863

CATALOG NUMBER: LD6C08DE010B2750 EU6C08B30 6LBLWWH

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	372.1	372.1	372.1	372.1	372.1	372.1	372.1	372.1	372.1	372.1	372.1
2.5°	372.5	372.3	372.3	372.1	372.0	372.0	372.0	371.9	371.7	371.7	371.5
5°	370.6	370.4	370.0	369.7	369.6	369.5	369.3	369.2	368.8	368.6	368.3
7.5°	367.2	367.0	366.4	366.2	365.7	365.6	365.1	364.9	364.4	363.8	363.6
10°	363.3	362.7	362.1	361.5	361.3	360.9	360.2	359.5	359.1	358.5	358.0
12.5°	358.7	358.0	357.0	356.2	356.0	355.4	354.4	353.8	352.8	351.9	351.0
15°	353.1	352.2	351.3	350.0	349.7	348.9	347.9	346.6	345.3	344.4	343.3
17.5°	347.0	345.6	344.3	342.8	341.6	341.2	339.6	337.8	336.8	335.0	333.9
20°	338.3	336.4	334.2	332.7	331.7	330.6	328.7	326.8	325.4	324.0	322.4
22.5°	326.5	324.7	322.0	319.8	319.1	317.5	315.8	314.1	312.3	310.7	308.7
25°	312.4	310.6	308.0	305.7	304.5	303.8	300.6	298.8	297.1	295.7	294.3
27.5°	298.0	294.7	293.0	289.5	288.3	288.1	285.2	283.3	281.4	279.5	277.8
30°	280.3	277.7	275.1	272.6	271.1	270.2	268.0	265.7	264.4	263.1	261.4
32.5°	262.0	259.5	256.3	253.9	252.8	251.5	249.7	248.0	246.2	244.8	244.4
35°	242.3	239.7	236.9	235.1	234.9	233.4	231.5	230.1	228.8	226.7	226.2
37.5°	221.3	219.8	217.9	215.4	214.3	214.3	212.4	211.4	209.6	209.5	208.6
40°	200.6	200.0	197.1	196.4	196.1	194.4	193.9	192.2	190.9	190.8	189.2
42.5°	180.2	178.6	178.1	176.8	175.8	175.5	174.4	173.7	173.1	172.4	171.7
45°	160.0	159.6	158.3	157.5	157.1	156.6	156.2	154.7	154.5	153.9	153.5
47.5°	142.5	141.5	140.3	139.4	139.2	138.4	137.6	137.6	136.2	136.1	135.8
50°	125.1	124.4	123.7	122.4	122.6	121.6	121.4	120.4	119.7	119.2	119.8
52.5°	109.8	108.3	108.1	106.9	106.6	106.7	105.3	104.9	104.7	104.2	104.0
55°	95.3	94.6	93.6	92.9	92.2	91.6	91.1	91.1	89.7	89.8	89.2
57.5°	82.6	82.0	80.7	79.5	79.3	78.6	77.9	77.3	77.2	76.3	75.7
60°	71.2	70.0	68.4	67.9	67.2	66.5	65.9	65.2	64.8	64.2	63.0
62.5°	60.5	58.7	58.1	57.0	56.2	55.7	54.8	53.9	53.3	52.5	51.5
65°	50.4	49.1	47.9	46.7	46.6	45.7	44.7	44.0	42.7	42.0	40.4
67.5°	41.1	39.9	38.6	37.5	36.7	36.4	35.0	34.2	33.3	31.7	30.4
70°	32.7	31.4	30.4	29.0	28.7	27.6	26.7	25.8	24.2	22.8	21.8
72.5°	24.9	23.5	22.4	21.4	20.7	19.9	18.9	17.9	16.4	15.0	14.0
75°	17.8	16.7	15.7	14.6	14.2	13.6	12.5	11.4	10.4	9.0	8.1
77.5°	12.1	11.0	10.0	9.1	8.5	8.1	7.4	6.5	5.6	4.9	4.2
80°	7.0	6.3	5.6	4.9	4.8	4.3	3.7	3.3	2.7	2.3	1.9
82.5°	3.4	3.0	2.5	2.1	1.9	1.8	1.5	1.3	1.0	0.8	0.8
85°	1.0	0.8	0.7	0.6	0.5	0.5	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: P843863

CATALOG NUMBER: LD6C08DE010B2750 EU6C08B30 6LBLWWH

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	372.1	372.1	372.1	372.1	372.1	372.1	372.1	372.1	372.1	372.1	372.1
2.5°	371.1	371.0	370.9	370.7	370.5	370.5	370.2	369.9	369.9	369.6	369.5
5°	367.8	367.5	367.4	367.1	366.9	366.8	366.3	366.2	365.8	365.6	365.6
7.5°	363.3	362.8	362.2	362.0	361.8	361.5	361.3	361.1	360.8	360.4	360.0
10°	357.2	356.7	356.1	355.9	355.6	355.4	354.7	354.4	354.2	354.0	353.8
12.5°	350.0	349.4	348.9	348.4	348.1	347.7	347.1	346.7	346.7	346.3	346.3
15°	342.4	341.6	340.5	340.0	339.8	339.1	338.7	338.1	337.5	337.3	337.3
17.5°	332.6	331.4	330.3	330.3	329.9	329.1	328.4	328.0	327.5	327.1	326.8
20°	321.1	320.3	319.1	319.1	317.9	317.7	317.0	316.9	315.9	316.1	315.7
22.5°	307.2	306.7	306.1	305.6	304.9	304.2	303.9	304.0	303.5	303.4	303.3
25°	293.2	291.8	291.1	290.8	290.5	289.9	289.7	289.6	289.6	289.2	289.4
27.5°	277.1	276.0	275.1	275.4	275.0	274.6	274.4	273.9	274.1	274.0	274.1
30°	260.6	259.3	258.7	258.9	258.8	257.9	258.3	258.2	258.3	258.3	258.6
32.5°	243.1	242.3	242.2	242.3	241.1	241.2	240.8	241.6	241.7	242.4	241.8
35°	225.5	225.1	224.1	224.0	224.1	224.0	224.0	224.5	224.4	225.2	224.9
37.5°	207.4	207.2	206.2	206.6	206.0	206.9	207.2	206.9	207.7	207.5	207.4
40°	189.6	189.2	188.8	189.7	189.1	188.6	189.5	188.8	189.0	189.7	189.7
42.5°	171.7	171.0	171.0	171.0	170.9	170.9	171.2	171.7	171.3	171.4	172.5
45°	153.5	153.4	152.9	153.3	153.1	153.8	153.8	154.0	154.5	154.9	154.7
47.5°	136.0	135.7	136.1	135.8	136.0	135.6	135.8	136.5	137.2	136.3	137.2
50°	119.6	119.1	119.0	119.3	119.2	119.1	119.3	119.3	119.1	119.1	119.9
52.5°	104.0	103.4	103.1	103.6	103.3	103.4	102.9	102.9	103.2	102.9	102.6
55°	89.3	88.9	88.4	88.7	88.1	87.9	87.5	87.5	87.0	86.8	86.1
57.5°	75.3	75.1	73.9	73.8	73.9	73.1	72.1	71.8	70.8	70.5	70.4
60°	62.9	61.6	60.9	60.2	59.7	59.3	58.3	57.6	56.2	55.3	55.2
62.5°	50.0	49.4	48.7	47.5	47.3	46.0	45.1	43.4	42.6	41.6	40.4
65°	39.7	38.1	36.9	36.3	35.3	34.2	33.0	31.3	30.4	29.0	27.9
67.5°	29.0	27.6	26.1	25.6	24.7	23.4	22.3	20.7	20.0	18.7	18.4
70°	19.9	18.6	17.6	16.7	16.2	14.8	13.6	13.1	12.4	12.2	12.2
72.5°	12.8	11.6	10.4	10.0	9.5	8.8	8.0	7.7	8.0	7.9	7.9
75°	7.1	6.5	5.6	5.3	5.3	5.0	4.9	4.9	4.9	4.9	4.9
77.5°	3.6	3.3	3.0	2.9	2.9	2.9	3.0	3.0	3.0	3.2	3.0
80°	1.8	1.6	1.6	1.6	1.8	1.8	1.8	1.8	1.8	1.9	1.8
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0
85°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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: P843863

CATALOG NUMBER: LD6C08DE010B2750 EU6C08B30 6LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	372.1	372.1	372.1	372.1	372.1	372.1	372.1	372.1
2.5°	369.3	369.1	369.1	369.0	369.0	369.0	369.0	369.1
5°	365.4	365.2	365.2	365.0	365.0	365.0	365.0	365.0
7.5°	360.0	359.7	359.9	359.6	359.6	359.7	359.6	359.5
10°	353.4	353.2	353.4	353.4	353.1	353.0	353.1	353.2
12.5°	345.8	345.7	345.5	345.6	345.6	345.5	345.3	345.1
15°	337.1	337.0	336.9	336.8	336.6	336.8	336.6	336.3
17.5°	326.8	326.8	326.7	326.6	326.5	326.2	326.4	326.7
20°	315.8	315.7	315.5	315.6	315.1	314.9	315.0	315.4
22.5°	303.2	302.8	303.1	302.7	302.7	302.8	302.7	302.5
25°	289.5	288.9	289.2	289.4	289.4	289.2	289.1	289.2
27.5°	274.1	274.6	274.6	274.4	274.7	274.1	274.5	274.6
30°	258.6	258.2	258.1	258.6	259.3	258.7	258.7	258.8
32.5°	242.4	241.9	241.9	242.2	242.0	242.0	242.5	241.9
35°	225.2	225.4	224.4	225.1	225.3	225.1	225.2	225.2
37.5°	207.7	207.5	207.5	207.5	207.9	207.9	208.1	208.0
40°	190.6	190.2	190.0	190.3	189.7	190.2	190.2	189.7
42.5°	172.1	172.3	172.8	172.3	172.4	172.3	172.0	171.9
45°	154.9	155.4	155.2	154.9	155.2	154.6	154.7	155.2
47.5°	136.9	137.6	136.9	137.4	137.2	137.0	136.8	136.2
50°	119.8	120.0	119.9	119.8	119.7	119.6	119.0	118.6
52.5°	102.5	102.5	102.5	102.5	101.2	101.9	101.5	100.8
55°	85.5	85.8	85.4	85.4	84.4	84.4	84.2	84.3
57.5°	69.1	68.6	68.3	68.3	67.4	67.1	66.6	66.2
60°	53.8	53.4	52.9	52.2	51.4	51.4	51.2	50.1
62.5°	39.4	38.8	38.4	37.9	37.1	36.7	36.3	36.5
65°	27.0	26.4	25.9	25.9	25.9	25.6	25.5	25.5
67.5°	17.8	18.1	17.9	18.1	18.1	17.9	17.8	18.0
70°	12.3	12.3	12.2	12.2	12.2	12.2	12.1	12.2
72.5°	7.9	7.9	7.9	8.0	7.9	7.9	8.0	8.0
75°	5.0	5.0	5.0	5.1	5.0	5.0	5.1	5.0
77.5°	3.0	3.2	3.2	3.2	3.2	3.0	3.2	3.2
80°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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)