

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: P843999

Luminaire Tested: **LD6C10DE010B50 EU6C10B50 6LBLWWH**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843999
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: LD6C10DE010B50 EU6C10B50 6LBLWWH
Description:
Light Source: -
Ballast/Driver:

Summary

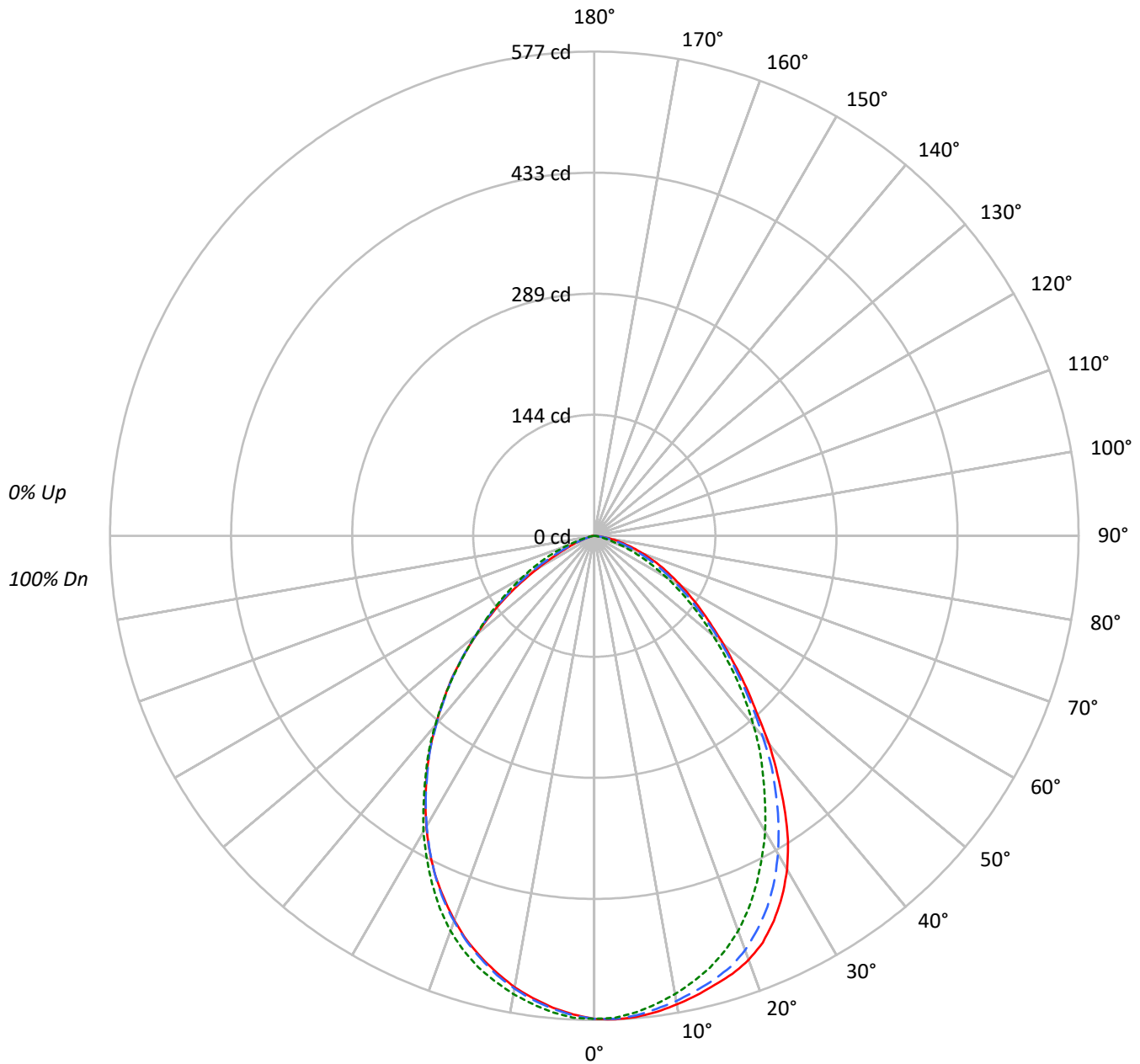
Lumens per Lamp: N/A
Luminaire Lumens: 1047.0 lumens
Efficiency: N/A
Efficacy: 78.7 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 13.3
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: P843999

CATALOG NUMBER: LD6C10DE010B50 EU6C10B50 6LBLWWH

Luminous Intensity Polar Plot





TEST NUMBER: P843999

CATALOG NUMBER: LD6C10DE010B50 EU6C10B50 6LBLWWH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					10
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	107	104	101		109	105	102	99		101	99	96		97	95	93		94	92	91
2	103	96	91	86		101	95	90	85		91	87	83		88	85	81		85	82	80
3	95	87	80	74		93	85	79	74		82	77	73		80	75	71		77	73	70
4	89	78	71	65		86	77	70	65		75	69	64		72	67	63		70	66	62
5	82	71	63	58		80	70	63	57		68	62	57		66	61	56		64	60	56
6	77	65	57	51		75	64	57	51		62	56	51		61	55	50		59	54	50
7	71	59	52	46		70	59	51	46		57	51	46		56	50	45		55	49	45
8	67	55	47	42		65	54	47	42		53	46	42		52	46	41		51	45	41
9	63	51	43	38		62	50	43	38		49	42	38		48	42	38		47	42	38
10	59	47	40	35		58	47	40	35		46	39	35		45	39	35		44	38	35

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	31560	31560	31560
5°	31670	31378	31070
10°	31568	30867	30416
15°	31453	30233	29529
20°	31380	29233	28457
25°	30619	27667	27062
30°	29087	25770	25339
35°	26401	23463	23309
40°	23165	21118	21004
45°	19863	18452	18607
50°	17091	15718	15641
55°	14939	13285	12463
60°	13124	10887	8508
65°	11493	8432	5111
70°	9793	5674	2997
75°	7900	2965	1631
80°	5525	1168	916
85°	2201	314	440



TEST NUMBER: P843999

CATALOG NUMBER: LD6C10DE010B50 EU6C10B50 6LBLWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.9	5.2
10°-20°	150.6	14.4
20°-30°	214.3	20.5
30°-40°	225.6	21.5
40°-50°	188.0	18.0
50°-60°	127.0	12.1
60°-70°	64.4	6.2
70°-80°	20.8	2.0
80°-90°	2.4	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°	418.9	40.0
0°-40°	644.5	61.6
0°-60°	959.5	91.6
0°-90°	1047.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1047.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	576	576	576	576	576	
5°	576	574	570	566	565	55
15°	554	548	533	522	520	157
25°	506	488	457	448	447	232
35°	394	378	351	347	348	246
45°	256	250	238	239	240	198
55°	156	149	139	135	130	141
65°	89	80	65	47	39	88
75°	37	29	14	8	8	40
85°	4	2	0	1	1	6
90°	0	0	0	0	0	



TEST NUMBER: P843999

CATALOG NUMBER: LD6C10DE010B50 EU6C10B50 6LBLWWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	575.7	575.7	575.7	575.7	575.7	575.7	575.7	575.7	575.7	575.7	575.7
2.5°	576.9	576.9	576.9	576.9	576.9	576.9	576.8	576.8	576.4	576.4	576.2
5°	575.5	575.7	575.7	575.5	575.5	575.0	575.0	574.8	574.3	573.9	573.7
7.5°	572.2	572.2	572.0	571.8	571.5	571.0	570.8	570.2	569.9	569.4	568.7
10°	567.1	567.1	566.9	566.6	566.4	565.9	565.9	565.2	564.5	563.4	562.9
12.5°	561.1	561.3	561.0	560.8	560.1	559.9	559.6	558.6	558.0	556.8	555.9
15°	554.2	554.5	554.5	553.8	553.1	553.0	552.4	551.9	550.5	549.3	548.2
17.5°	547.4	547.7	547.4	546.8	546.3	545.4	545.1	543.9	542.1	540.7	538.9
20°	537.9	538.4	537.7	536.7	535.6	535.4	534.8	532.8	530.4	528.1	525.5
22.5°	524.6	524.2	523.6	523.2	521.3	520.1	519.3	516.8	514.1	511.0	507.9
25°	506.2	506.9	505.8	504.1	503.1	502.0	499.9	497.3	494.8	491.5	487.8
27.5°	484.5	484.5	482.9	482.4	480.3	478.7	477.7	475.0	471.7	468.4	464.4
30°	459.5	458.4	458.4	455.6	453.9	453.3	452.3	447.9	445.1	441.6	437.4
32.5°	429.4	429.2	428.3	426.6	424.3	422.4	422.4	419.2	415.4	411.2	408.7
35°	394.5	394.7	394.3	392.4	392.4	390.1	389.7	387.0	383.9	380.6	377.5
37.5°	358.5	359.3	358.5	357.6	357.0	356.8	355.0	353.1	350.8	348.9	346.6
40°	323.7	322.6	322.9	321.0	321.2	320.8	320.0	317.5	316.1	314.2	311.7
42.5°	286.2	287.4	287.7	286.5	286.2	285.3	286.2	285.2	283.7	282.7	280.4
45°	256.2	255.0	255.6	255.2	255.4	253.8	253.3	252.9	252.4	250.6	249.6
47.5°	226.3	226.5	226.3	225.6	225.2	225.2	224.4	223.3	223.3	222.1	221.4
50°	200.4	200.4	200.8	199.9	199.5	198.7	198.9	197.8	196.9	196.0	195.5
52.5°	176.6	176.8	176.1	176.3	175.9	175.9	175.1	174.3	173.6	171.9	171.4
55°	156.3	156.5	155.6	156.0	154.8	154.2	153.8	152.6	152.6	150.9	148.8
57.5°	137.4	137.2	137.0	136.4	135.6	135.1	134.4	133.2	132.5	131.4	129.7
60°	119.7	119.6	119.2	119.0	118.5	117.1	117.1	116.1	114.1	113.0	111.3
62.5°	103.1	103.1	102.9	102.4	101.7	101.2	100.8	100.1	98.1	96.8	95.2
65°	88.6	88.4	87.9	86.8	86.5	86.5	85.1	84.5	83.0	81.6	80.0
67.5°	74.7	73.9	73.5	73.7	72.6	72.6	71.4	70.4	69.1	66.7	65.4
70°	61.1	60.7	60.4	60.0	59.8	59.0	58.4	57.3	55.9	54.2	52.0
72.5°	49.0	49.0	48.3	48.0	47.4	46.6	46.2	45.3	43.7	41.8	40.3
75°	37.3	37.3	37.3	36.6	36.2	35.7	34.6	34.1	32.4	31.2	29.2
77.5°	27.5	27.1	26.5	26.3	25.9	25.5	25.0	24.0	22.4	21.0	19.9
80°	17.5	18.0	17.5	17.5	16.5	16.1	15.9	14.7	14.2	13.0	12.0
82.5°	9.6	9.8	9.5	9.3	8.7	8.5	8.5	7.7	7.4	6.6	6.0
85°	3.5	3.7	3.5	3.5	3.1	3.3	3.1	2.9	2.5	2.1	1.9
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: P843999

CATALOG NUMBER: LD6C10DE010B50 EU6C10B50 6LBLWWH

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	575.7	575.7	575.7	575.7	575.7	575.7	575.7	575.7	575.7	575.7	575.7
2.5°	576.2	575.8	575.8	575.7	575.5	575.5	575.5	575.2	574.8	574.8	574.7
5°	573.3	572.9	572.4	572.0	571.8	571.5	571.3	571.2	570.4	570.2	569.6
7.5°	568.1	567.7	566.7	566.4	565.7	565.6	564.8	564.5	563.6	562.9	562.4
10°	561.9	561.0	560.1	559.2	558.7	558.2	557.3	556.1	555.5	554.5	553.8
12.5°	554.9	553.8	552.2	551.0	550.7	549.7	548.2	547.2	545.8	544.3	542.9
15°	546.3	544.9	543.5	541.4	540.8	539.6	538.1	536.1	534.2	532.7	531.1
17.5°	536.7	534.6	532.5	530.2	528.4	527.9	525.3	522.6	520.9	518.1	516.4
20°	523.4	520.5	517.0	514.6	513.2	511.4	508.5	505.5	503.4	501.1	498.7
22.5°	505.0	502.3	498.3	494.8	493.6	491.1	488.5	485.9	483.1	480.6	477.5
25°	483.3	480.5	476.4	472.9	471.0	469.8	464.9	462.3	459.5	457.4	455.3
27.5°	461.1	455.8	453.2	447.7	446.0	445.6	441.1	438.3	435.3	432.5	429.7
30°	433.6	429.5	425.5	421.6	419.2	418.0	414.7	411.0	409.0	407.1	404.4
32.5°	405.2	401.5	396.5	392.8	391.0	389.1	386.2	383.7	380.7	378.6	378.1
35°	374.8	370.7	366.5	363.7	363.4	361.1	358.1	356.0	353.9	350.6	350.0
37.5°	342.3	339.9	337.1	333.2	331.5	331.5	328.5	327.0	324.3	324.1	322.6
40°	310.3	309.4	304.9	303.8	303.4	300.7	299.9	297.2	295.3	295.1	292.8
42.5°	278.8	276.3	275.5	273.6	271.8	271.5	269.7	268.5	267.8	266.6	265.5
45°	247.5	246.9	244.9	243.6	243.0	242.2	241.7	239.3	238.9	238.0	237.4
47.5°	220.4	218.8	217.1	215.5	215.3	214.2	212.8	212.8	210.7	210.5	210.2
50°	193.4	192.3	191.3	189.2	189.6	188.0	187.8	186.1	185.2	184.3	185.4
52.5°	169.9	167.5	167.2	165.4	164.9	165.1	162.9	162.3	161.9	161.2	160.8
55°	147.4	146.3	144.7	143.5	142.6	141.6	140.9	140.9	138.8	139.0	137.9
57.5°	127.7	126.7	124.8	123.1	122.7	121.5	120.6	119.6	119.4	118.0	117.1
60°	110.1	108.3	105.9	105.0	103.9	102.9	102.0	100.8	100.3	99.3	97.5
62.5°	93.6	90.7	89.8	88.2	86.8	86.3	84.7	83.3	82.4	81.1	79.7
65°	77.9	75.8	74.1	72.3	72.1	70.6	69.3	68.1	66.2	65.0	62.5
67.5°	63.7	61.8	59.8	58.1	56.7	56.3	54.2	52.8	51.5	49.2	47.1
70°	50.4	48.5	47.1	44.8	44.3	42.7	41.2	39.9	37.5	35.4	33.6
72.5°	38.5	36.4	34.6	33.1	32.2	30.8	29.2	27.7	25.4	23.3	21.7
75°	27.5	25.9	24.2	22.6	21.9	21.0	19.4	17.6	16.1	14.0	12.6
77.5°	18.6	17.0	15.4	14.2	13.1	12.6	11.4	10.0	8.7	7.5	6.6
80°	10.8	9.8	8.7	7.5	7.4	6.8	5.8	5.1	4.2	3.7	2.9
82.5°	5.2	4.7	3.9	3.3	2.9	2.7	2.3	1.9	1.6	1.4	1.4
85°	1.6	1.4	1.2	1.0	0.7	0.7	0.5	0.5	0.5	0.5	0.5
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: P843999

CATALOG NUMBER: LD6C10DE010B50 EU6C10B50 6LBLWWH

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	575.7	575.7	575.7	575.7	575.7	575.7	575.7	575.7	575.7	575.7	575.7
2.5°	574.1	573.9	573.7	573.6	573.1	573.1	572.5	572.2	572.2	571.8	571.5
5°	569.0	568.5	568.3	567.8	567.5	567.3	566.6	566.4	565.9	565.6	565.6
7.5°	561.9	561.1	560.3	559.9	559.8	559.2	558.7	558.6	558.0	557.7	556.8
10°	552.4	551.9	550.8	550.5	550.1	549.7	548.7	548.2	548.0	547.5	547.2
12.5°	541.4	540.7	539.6	538.9	538.4	537.9	537.0	536.3	536.3	535.6	535.6
15°	529.6	528.4	526.7	525.9	525.7	524.6	523.7	523.0	522.0	521.6	521.6
17.5°	514.5	512.5	511.0	511.0	510.2	509.0	507.9	507.3	506.7	506.0	505.5
20°	496.7	495.3	493.6	493.6	491.8	491.5	490.3	490.1	488.7	488.9	488.4
22.5°	475.2	474.5	473.5	472.7	471.7	470.5	470.0	470.2	469.6	469.4	469.2
25°	453.5	451.4	450.2	449.8	449.5	448.5	448.1	447.9	447.9	447.4	447.6
27.5°	428.6	427.1	425.5	426.0	425.3	424.7	424.3	423.8	424.1	423.9	424.1
30°	403.1	401.1	400.1	400.5	400.3	398.8	399.6	399.4	399.6	399.6	399.9
32.5°	376.1	374.8	374.6	374.8	373.0	373.2	372.5	373.7	373.9	374.9	374.0
35°	348.9	348.1	346.7	346.6	346.7	346.6	346.6	347.3	347.1	348.3	347.9
37.5°	320.8	320.5	319.1	319.4	318.7	320.0	320.5	320.0	321.4	321.0	320.8
40°	293.3	292.8	292.0	293.5	292.5	291.8	293.2	292.0	292.3	293.5	293.5
42.5°	265.5	264.5	264.5	264.5	264.3	264.3	264.9	265.5	265.0	265.3	266.8
45°	237.4	237.2	236.6	237.0	236.8	237.8	237.8	238.2	238.9	239.8	239.3
47.5°	210.4	209.9	210.5	210.2	210.4	209.7	210.2	211.3	212.3	210.9	212.3
50°	185.0	184.2	184.0	184.6	184.3	184.2	184.6	184.6	184.2	184.2	185.5
52.5°	160.8	160.0	159.4	160.4	159.8	160.0	159.3	159.3	159.6	159.3	158.6
55°	138.1	137.6	136.8	137.2	136.2	136.0	135.3	135.3	134.6	134.3	133.2
57.5°	116.4	116.1	114.3	114.1	114.3	113.0	111.7	111.1	109.5	109.1	108.9
60°	97.3	95.2	94.2	93.1	92.3	91.7	90.2	89.2	86.8	85.6	85.4
62.5°	77.4	76.5	75.3	73.5	73.2	71.2	69.7	67.2	66.0	64.2	62.5
65°	61.3	58.8	57.1	56.2	54.6	52.8	51.1	48.3	47.1	44.8	43.2
67.5°	44.8	42.7	40.4	39.7	38.3	36.2	34.5	32.2	31.0	29.0	28.5
70°	30.8	28.9	27.1	25.9	25.0	22.8	21.0	20.3	19.1	18.7	18.7
72.5°	19.8	18.0	16.1	15.4	14.7	13.5	12.4	12.0	12.4	12.2	12.2
75°	11.0	10.0	8.7	8.1	8.1	7.7	7.5	7.5	7.5	7.5	7.5
77.5°	5.6	5.1	4.7	4.4	4.4	4.4	4.7	4.7	4.7	4.9	4.7
80°	2.7	2.5	2.5	2.5	2.7	2.7	2.7	2.7	2.7	2.9	2.7
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.6	1.6	1.6	1.6	1.6
85°	0.5	0.5	0.5	0.5	0.7	0.7	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: P843999

CATALOG NUMBER: LD6C10DE010B50 EU6C10B50 6LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	575.7	575.7	575.7	575.7	575.7	575.7	575.7	575.7
2.5°	571.3	571.0	571.0	570.8	570.8	570.8	570.8	571.0
5°	565.2	565.0	565.0	564.6	564.6	564.6	564.6	564.6
7.5°	556.8	556.5	556.6	556.3	556.3	556.5	556.3	556.1
10°	546.6	546.4	546.6	546.6	546.3	546.1	546.3	546.4
12.5°	535.0	534.8	534.4	534.6	534.6	534.4	534.2	533.8
15°	521.4	521.3	521.1	520.9	520.7	520.9	520.7	520.3
17.5°	505.5	505.5	505.4	505.2	505.0	504.6	504.8	505.4
20°	488.5	488.4	488.0	488.2	487.4	487.0	487.3	487.8
22.5°	469.1	468.4	468.8	468.2	468.2	468.4	468.2	467.9
25°	447.7	447.0	447.4	447.6	447.6	447.4	447.2	447.4
27.5°	424.1	424.7	424.7	424.3	424.9	424.1	424.5	424.7
30°	399.9	399.4	399.2	399.9	401.1	400.1	400.1	400.3
32.5°	374.9	374.2	374.2	374.6	374.4	374.4	375.1	374.2
35°	348.3	348.7	347.1	348.1	348.5	348.1	348.3	348.3
37.5°	321.4	321.0	321.0	321.0	321.6	321.6	321.9	321.7
40°	294.9	294.1	293.9	294.3	293.5	294.1	294.1	293.5
42.5°	266.2	266.4	267.4	266.4	266.6	266.4	266.1	265.9
45°	239.8	240.3	240.0	239.8	240.0	239.1	239.3	240.0
47.5°	211.6	212.8	211.6	212.5	212.3	211.8	211.5	210.7
50°	185.4	185.7	185.5	185.4	185.2	185.0	184.0	183.4
52.5°	158.4	158.4	158.4	158.4	156.5	157.5	157.2	156.0
55°	132.2	132.7	132.0	132.0	130.6	130.6	130.2	130.4
57.5°	106.8	106.2	105.7	105.7	104.3	103.8	103.1	102.4
60°	83.2	82.6	81.9	80.9	79.5	79.5	79.1	77.6
62.5°	60.9	60.0	59.4	58.6	57.4	56.7	56.2	56.5
65°	41.8	40.8	40.1	40.1	40.1	39.7	39.4	39.4
67.5°	27.5	28.0	27.7	28.0	28.0	27.7	27.5	27.8
70°	18.9	18.9	18.7	18.7	18.7	18.7	18.6	18.7
72.5°	12.2	12.2	12.2	12.4	12.2	12.2	12.4	12.4
75°	7.7	7.7	7.7	7.9	7.7	7.7	7.9	7.7
77.5°	4.7	4.9	4.9	4.9	4.9	4.7	4.9	4.9
80°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
85°	0.7	0.7	0.7	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
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)