

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: P858883

Luminaire Tested: **LX4C05D010 EX4C059835 4LBLWWH**

Issue Date: 2/14/2022



Test Information

Test Method: LM-79-08
Report Number: P858883
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-2)
Test Lab: INNOVATION CENTER
Issue Date: 2/14/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C05D010 EX4C059835 4LBLWWH
Description:
Light Source: -
Ballast/Driver: -

Summary

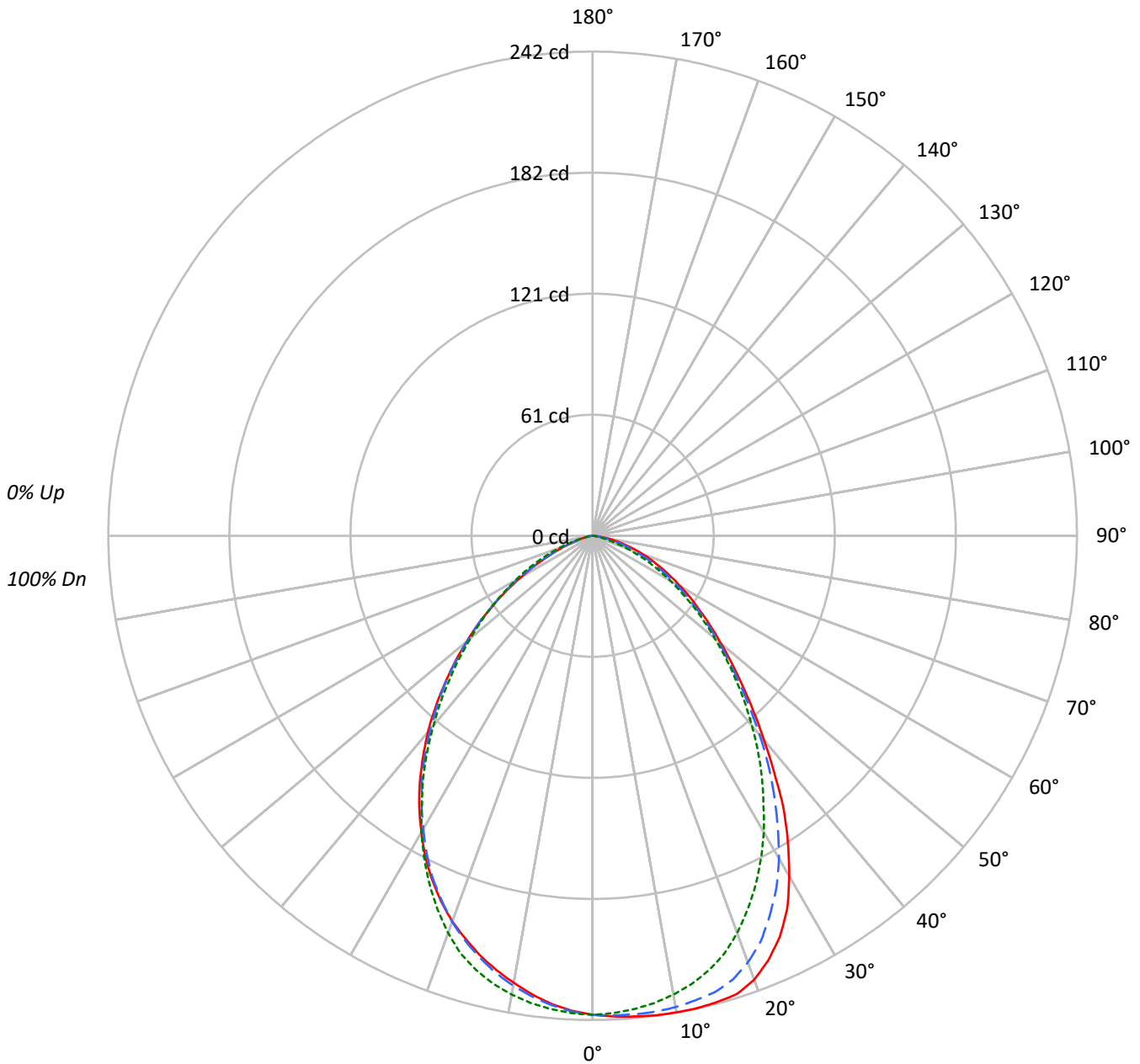
Lumens per Lamp: N/A
Luminaire Lumens: 451.2 lumens
Efficiency: N/A
Efficacy: 62.7 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P858883

CATALOG NUMBER: LX4C05D010 EX4C059835 4LBLWWH

Luminous Intensity Polar Plot





TEST NUMBER: P858883

CATALOG NUMBER: LX4C05D010 EX4C059835 4LBLWWH

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	94	92	90	88																			
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77																			
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68																			
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60																			
5	82	71	63	57	80	69	62	57	67	61	56	66	60	55	64	59	55	53																			
6	76	64	56	51	74	63	56	50	62	55	50	60	54	50	59	53	49	47																			
7	71	59	51	46	69	58	51	45	57	50	45	55	49	45	54	49	44	43																			
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	40	39																			
9	62	50	43	38	61	50	42	37	49	42	37	47	41	37	47	41	37	35																			
10	59	47	39	34	58	46	39	34	45	39	34	44	38	34	43	38	34	32																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	29411	29411	29411
5°	29745	29289	28969
10°	30177	29041	28305
15°	30678	28579	27625
20°	30867	27612	26814
25°	29985	26108	25715
30°	27875	24272	24286
35°	24941	22122	22586
40°	21346	19838	20544
45°	18382	17496	18139
50°	15978	15214	15672
55°	14051	13108	12980
60°	12506	10934	10074
65°	10959	8750	7296
70°	9411	6178	4921
75°	7642	3607	2895
80°	5518	1556	1486
85°	2114	564	564



TEST NUMBER: P858883

CATALOG NUMBER: LX4C05D010 EX4C059835 4LBLWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.6	5.0
10°-20°	63.9	14.2
20°-30°	91.2	20.2
30°-40°	95.4	21.1
40°-50°	79.9	17.7
50°-60°	56.0	12.4
60°-70°	30.5	6.8
70°-80°	10.6	2.3
80°-90°	1.2	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°	177.6	39.4
0°-40°	273.1	60.5
0°-60°	409.0	90.6
0°-90°	451.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	451.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	239	239	239	239	239	
5°	241	240	238	236	235	23
15°	241	236	225	218	217	68
25°	221	209	193	189	190	101
35°	166	158	148	149	151	103
45°	106	103	101	104	104	82
55°	66	64	61	61	61	59
65°	38	34	30	25	25	38
75°	16	13	8	6	6	17
85°	2	1	0	0	0	3
90°	0	0	0	0	0	



TEST NUMBER: P858883

CATALOG NUMBER: LX4C05D010 EX4C059835 4LBLWWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	239.4	239.4	239.4	239.4	239.4	239.4	239.4	239.4	239.4	239.4	239.4
2.5°	240.5	240.2	240.3	240.3	240.3	240.2	240.3	240.2	240.2	240.1	240.0
5°	241.2	241.0	241.0	241.0	240.9	240.8	240.8	240.7	240.5	240.4	240.1
7.5°	241.7	241.5	241.5	241.4	241.3	241.2	241.1	240.8	240.5	240.3	239.9
10°	241.9	241.7	241.7	241.5	241.3	241.2	241.0	240.6	240.2	239.8	239.2
12.5°	241.8	241.5	241.4	241.2	240.8	240.6	240.4	240.0	239.3	238.7	237.8
15°	241.2	241.0	240.8	240.5	240.1	239.8	239.6	238.9	238.0	237.1	236.1
17.5°	240.1	239.8	239.4	239.1	238.5	238.2	237.6	236.8	235.6	234.3	232.7
20°	236.1	236.0	235.6	234.9	233.9	233.5	232.9	231.7	230.2	228.6	226.9
22.5°	229.5	229.3	228.7	228.2	227.3	226.6	226.1	224.5	222.7	221.0	219.5
25°	221.2	220.9	220.2	219.5	218.6	217.4	216.9	215.5	213.8	211.7	209.4
27.5°	210.5	209.5	209.2	208.4	207.0	206.6	205.8	204.1	202.5	200.6	198.8
30°	196.5	196.5	195.9	195.5	194.2	193.9	192.9	191.2	190.3	187.7	186.2
32.5°	181.6	181.4	180.9	180.7	180.0	179.3	178.3	177.5	175.4	174.2	172.1
35°	166.3	165.2	165.4	164.8	164.3	163.6	163.5	162.6	160.7	160.0	158.1
37.5°	148.9	148.5	149.1	148.3	147.8	147.9	147.1	146.5	145.8	144.5	144.1
40°	133.1	133.5	133.4	132.7	133.0	132.6	131.9	131.3	130.8	130.0	129.7
42.5°	119.0	118.5	118.3	118.3	118.4	118.4	118.1	117.6	117.6	116.7	115.9
45°	105.8	105.8	105.6	106.2	105.3	105.3	105.0	105.0	104.6	104.4	103.4
47.5°	94.3	94.3	94.2	94.1	94.0	94.0	93.5	93.0	92.9	92.4	91.8
50°	83.6	84.2	84.0	83.6	83.4	83.5	83.0	82.8	82.7	81.8	81.9
52.5°	74.5	74.5	74.7	74.4	73.9	74.0	73.7	73.3	72.9	72.5	72.1
55°	65.6	66.1	65.9	65.6	65.5	65.4	65.1	64.7	64.6	63.6	63.5
57.5°	58.2	58.1	58.0	57.4	57.3	57.1	57.1	56.7	56.2	55.6	55.2
60°	50.9	50.9	50.7	50.6	50.2	50.1	50.0	49.7	49.0	48.5	47.8
62.5°	44.0	44.1	44.0	43.6	43.3	43.0	42.8	42.5	42.0	41.6	40.9
65°	37.7	37.6	37.5	37.2	37.1	36.7	36.7	36.1	35.6	35.1	34.4
67.5°	31.8	31.6	31.6	31.4	31.2	30.9	30.8	30.2	29.5	29.2	28.4
70°	26.2	26.0	26.0	26.0	25.6	25.3	25.2	25.0	24.1	23.6	22.9
72.5°	21.0	21.0	20.9	20.6	20.3	20.3	20.0	19.4	19.0	18.5	17.9
75°	16.1	16.3	16.1	15.8	15.7	15.4	15.2	14.7	14.3	13.7	13.1
77.5°	11.8	11.6	11.4	11.4	11.2	10.9	10.8	10.4	9.8	9.5	8.8
80°	7.8	7.7	7.5	7.3	7.2	7.1	7.0	6.6	6.1	5.8	5.3
82.5°	4.3	4.1	4.1	4.0	3.7	3.7	3.7	3.3	3.0	2.9	2.6
85°	1.5	1.5	1.5	1.3	1.3	1.3	1.2	1.2	1.1	1.0	0.8
87.5°	0.2	0.1	0.2	0.1	0.2	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: P858883

CATALOG NUMBER: LX4C05D010 EX4C059835 4LBLWWH

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	239.4	239.4	239.4	239.4	239.4	239.4	239.4	239.4	239.4	239.4	239.4
2.5°	239.8	239.6	239.5	239.4	239.3	239.3	239.2	239.0	238.9	238.8	238.6
5°	239.8	239.4	239.3	239.0	238.8	238.6	238.4	238.0	237.7	237.5	237.2
7.5°	239.4	238.9	238.5	237.9	237.7	237.5	236.9	236.6	236.1	235.6	234.9
10°	238.5	237.8	237.1	236.4	236.1	235.7	234.9	234.3	233.5	232.8	232.1
12.5°	237.0	236.0	235.1	234.1	233.5	233.1	232.0	231.1	230.2	229.4	228.3
15°	234.8	233.6	232.4	231.1	230.4	229.9	228.4	227.3	225.8	224.7	223.6
17.5°	231.2	229.4	227.9	226.1	225.3	224.6	223.3	221.6	220.2	219.0	217.7
20°	225.1	223.3	221.3	219.4	218.3	217.5	215.7	213.8	212.4	211.2	209.7
22.5°	217.0	214.7	213.3	210.9	210.1	209.0	206.8	205.2	203.6	202.3	201.0
25°	207.1	205.2	203.1	200.9	199.9	198.8	196.9	195.1	194.1	192.6	191.1
27.5°	195.7	194.2	191.7	189.8	188.8	187.9	186.1	184.5	183.1	182.1	180.6
30°	183.8	182.0	179.8	177.7	177.2	176.0	174.5	173.3	171.7	171.1	170.4
32.5°	170.7	168.5	166.8	165.6	164.4	163.5	162.7	160.8	160.5	158.8	158.6
35°	156.2	155.3	153.8	152.7	151.8	151.2	149.7	148.8	147.8	147.5	146.9
37.5°	142.8	141.6	140.2	139.1	138.5	138.4	137.4	136.9	136.1	135.7	135.0
40°	128.6	128.1	126.8	126.6	125.6	125.6	124.9	124.3	123.7	123.7	123.8
42.5°	115.5	114.9	114.4	113.7	113.2	113.2	112.9	112.7	112.5	112.3	112.7
45°	103.3	102.5	102.1	101.5	101.7	101.2	101.0	101.0	100.8	100.7	101.3
47.5°	91.8	91.0	90.6	90.4	90.4	90.5	89.7	90.0	89.9	90.1	90.3
50°	81.4	80.7	80.1	80.1	80.2	79.8	79.5	79.7	79.5	79.6	80.3
52.5°	71.7	71.0	70.7	70.7	70.2	70.1	70.3	69.9	70.0	70.1	70.4
55°	62.8	62.3	61.9	61.4	61.5	61.4	61.0	60.9	61.1	61.2	61.6
57.5°	54.8	54.1	53.5	53.3	53.1	53.1	52.7	52.6	52.8	52.3	52.3
60°	47.2	46.8	45.9	45.7	45.7	45.2	44.9	45.0	44.6	44.5	44.6
62.5°	40.0	39.8	39.2	38.7	38.5	38.3	37.8	37.6	37.5	37.1	36.6
65°	33.9	33.3	32.6	32.2	31.9	31.5	31.2	30.9	30.3	30.1	29.5
67.5°	27.7	27.1	26.4	26.1	25.9	25.6	25.1	24.7	24.1	23.3	22.7
70°	22.3	21.5	21.0	20.3	20.2	19.8	19.2	18.7	18.0	17.2	16.6
72.5°	17.0	16.5	16.0	15.2	14.8	14.5	14.0	13.3	12.5	12.0	11.4
75°	12.2	11.9	11.2	10.5	10.3	10.0	9.3	8.8	8.3	7.6	7.0
77.5°	8.3	7.8	7.3	6.6	6.4	6.1	5.7	5.3	4.9	4.5	4.0
80°	4.9	4.5	4.1	3.7	3.5	3.3	3.0	2.7	2.4	2.2	2.1
82.5°	2.4	2.1	2.0	1.7	1.6	1.5	1.2	1.2	1.0	1.0	1.0
85°	0.8	0.6	0.6	0.5	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	0.2	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: P858883

CATALOG NUMBER: LX4C05D010 EX4C059835 4LBLWWH

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	239.4	239.4	239.4	239.4	239.4	239.4	239.4	239.4	239.4	239.4	239.4
2.5°	238.5	238.5	238.4	238.3	238.3	238.2	238.2	238.0	238.0	237.9	237.9
5°	236.8	236.6	236.4	236.2	236.2	236.0	235.8	235.6	235.5	235.5	235.2
7.5°	234.5	234.2	233.8	233.5	233.5	233.0	232.7	232.7	232.2	232.0	231.9
10°	231.5	230.9	230.3	230.1	229.6	229.4	228.9	228.6	228.4	227.9	227.8
12.5°	227.4	226.9	226.1	225.7	225.5	225.0	224.3	223.8	223.7	223.4	223.1
15°	222.7	221.7	220.9	220.4	220.4	219.5	219.2	218.7	218.2	217.9	217.9
17.5°	216.6	215.5	214.8	214.2	214.0	213.3	212.7	212.5	212.1	212.2	211.8
20°	208.8	208.0	207.4	206.5	206.5	206.1	205.9	205.5	205.3	205.1	205.3
22.5°	200.4	199.4	198.4	198.3	198.3	197.7	197.6	197.5	197.2	197.4	197.3
25°	190.6	189.8	189.2	189.1	189.1	188.8	188.4	188.6	188.9	188.8	189.0
27.5°	180.3	179.6	179.4	179.3	179.2	179.1	179.2	179.2	179.5	179.9	180.2
30°	169.3	169.1	168.8	168.7	168.5	169.0	169.2	169.4	169.3	169.9	170.2
32.5°	158.2	157.8	157.7	157.9	158.2	158.1	158.6	158.8	159.0	159.7	160.0
35°	147.0	147.0	146.8	146.8	146.9	147.6	147.6	148.3	148.7	148.8	149.5
37.5°	135.1	135.5	135.6	135.9	136.0	136.3	136.4	137.1	137.5	137.9	138.2
40°	124.1	124.0	124.8	124.2	124.4	125.2	125.6	125.6	126.1	126.6	127.0
42.5°	112.4	112.7	112.9	113.1	113.5	113.6	114.1	114.8	114.9	115.6	115.7
45°	101.1	101.2	101.6	101.9	102.2	103.0	103.2	103.4	104.0	104.0	104.2
47.5°	90.4	90.8	90.8	91.3	91.8	91.8	92.4	92.6	92.5	92.9	93.1
50°	80.2	80.8	80.7	81.1	81.2	81.3	81.9	82.0	81.7	82.1	82.2
52.5°	70.4	70.7	71.1	71.2	71.0	71.4	71.3	71.6	71.5	72.0	71.5
55°	61.5	61.4	61.4	61.6	61.4	61.6	61.8	61.4	61.2	61.5	61.4
57.5°	52.6	52.6	52.4	52.7	52.4	52.1	52.0	51.7	51.5	51.5	51.4
60°	44.2	44.1	43.6	43.5	43.5	43.1	42.9	42.5	42.5	42.2	41.8
62.5°	36.4	35.9	35.7	35.7	35.5	35.0	34.2	33.6	33.4	32.9	32.8
65°	29.0	28.5	28.3	27.7	27.3	27.1	26.2	25.6	25.3	24.8	24.9
67.5°	22.3	21.6	20.7	20.3	20.1	19.4	19.2	18.7	18.5	18.5	18.5
70°	16.1	15.3	14.5	14.3	14.1	13.6	13.3	13.2	13.5	13.4	13.5
72.5°	10.8	10.2	9.7	9.5	9.4	9.1	9.3	9.4	9.2	9.3	9.4
75°	6.5	6.3	6.1	6.0	6.0	6.1	6.0	6.0	6.1	6.1	6.2
77.5°	3.7	3.6	3.6	3.5	3.7	3.6	3.6	3.6	3.7	3.7	3.7
80°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.1	0.2	0.2	0.2	0.2	0.2	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: P858883

CATALOG NUMBER: LX4C05D010 EX4C059835 4LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	239.4	239.4	239.4	239.4	239.4	239.4	239.4	239.4
2.5°	237.7	237.7	237.7	237.6	237.6	237.6	237.6	237.6
5°	235.2	235.1	234.9	234.9	234.7	234.9	234.8	234.9
7.5°	231.7	231.7	231.4	231.4	231.3	231.2	231.1	231.2
10°	227.6	227.6	227.4	227.3	227.4	227.0	227.0	226.9
12.5°	222.9	222.8	222.6	222.7	222.6	222.3	222.2	222.3
15°	217.6	217.3	217.4	217.1	217.1	217.0	217.2	217.2
17.5°	211.7	211.5	211.3	211.4	211.3	211.3	211.3	211.2
20°	205.2	205.1	205.1	204.7	204.8	204.7	204.8	205.1
22.5°	197.6	197.5	197.6	197.3	197.5	197.5	197.8	197.8
25°	189.3	189.2	189.4	189.5	189.6	189.9	189.6	189.7
27.5°	180.1	180.4	180.7	180.8	181.1	180.8	180.7	180.9
30°	170.9	170.9	170.8	171.1	171.4	171.7	171.2	171.2
32.5°	160.2	160.6	160.6	160.7	161.0	161.0	161.0	161.3
35°	149.9	150.2	150.3	149.9	150.1	150.0	150.6	150.6
37.5°	138.5	138.5	138.6	139.2	139.2	138.9	139.1	139.1
40°	127.6	127.7	127.3	127.5	128.0	127.8	128.0	128.1
42.5°	115.7	116.4	116.0	116.2	116.1	116.2	116.3	116.3
45°	104.4	104.6	104.6	104.7	104.9	105.0	104.5	104.4
47.5°	93.4	93.5	93.7	93.3	93.8	93.3	93.8	93.2
50°	82.2	82.6	82.3	82.5	82.2	82.2	82.1	82.0
52.5°	71.6	71.5	71.5	71.4	71.4	71.6	71.4	71.7
55°	61.1	61.2	61.0	60.9	60.8	61.1	60.8	60.6
57.5°	51.0	51.2	50.8	51.0	50.4	50.7	50.7	50.8
60°	41.7	41.5	41.5	41.1	41.1	41.4	41.0	41.0
62.5°	32.3	32.5	32.2	32.6	32.6	33.0	32.8	33.0
65°	24.8	24.9	25.0	25.0	25.0	25.5	25.3	25.1
67.5°	18.7	18.8	18.9	18.8	19.1	18.9	18.9	19.0
70°	13.6	13.6	13.7	13.7	13.6	13.7	13.7	13.7
72.5°	9.4	9.5	9.4	9.5	9.5	9.5	9.5	9.5
75°	6.2	6.2	6.1	6.1	6.1	6.1	6.2	6.1
77.5°	3.6	3.7	3.6	3.7	3.7	3.7	3.7	3.7
80°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	1.1	1.1	1.0	1.0	1.1	1.1	1.1	1.1
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)