

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: P684074

Luminaire Tested: **LX6C15D010 EX6C159040 6LCSWH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684074
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P252284)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C15D010 EX6C159040 6LCSWH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LCSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

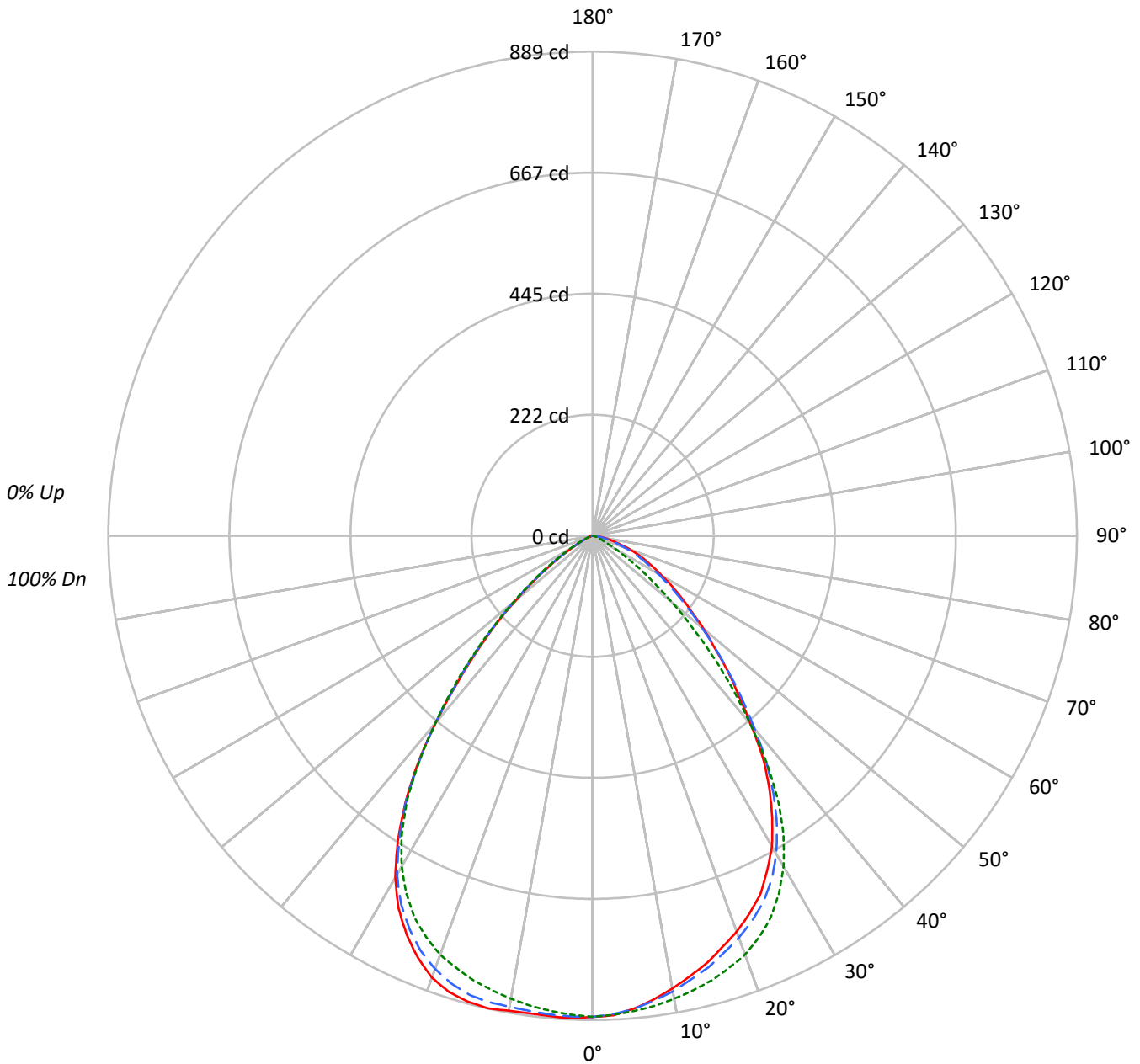
Lumens per Lamp: N/A
Luminaire Lumens: 1482.0 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.18 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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: P684074

CATALOG NUMBER: LX6C15D010 EX6C159040 6LCSWH

Luminous Intensity Polar Plot





TEST NUMBER: P684074

CATALOG NUMBER: LX6C15D010 EX6C159040 6LCSWH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90			90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	85	82	80			80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72			72
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	69	66	64			64
5	85	74	67	62	83	73	66	61	71	65	61	70	64	60	68	63	60	58			58
6	79	68	61	55	78	67	60	55	66	59	55	64	59	54	63	58	54	52			52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47			47
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43			43
9	65	54	47	42	64	53	46	42	52	46	42	51	46	41	50	45	41	40			40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37			37

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	48428	48428	48428
5°	47964	48200	48729
10°	46976	48045	49292
15°	46079	47951	50256
20°	45125	47738	50352
25°	44011	46787	48850
30°	41671	44368	45855
35°	37838	39766	40127
40°	32296	32139	31989
45°	27127	24065	23328
50°	22660	16289	15471
55°	19067	9997	9080
60°	16139	5263	4561
65°	13983	2763	2218
70°	11621	1715	1202
75°	8599	1123	678
80°	6724	663	347
85°	5346	692	0



TEST NUMBER: P684074

CATALOG NUMBER: LX6C15D010 EX6C159040 6LCSWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.3	5.6
10°-20°	238.4	16.1
20°-30°	352.0	23.8
30°-40°	362.8	24.5
40°-50°	250.6	16.9
50°-60°	123.5	8.3
60°-70°	50.1	3.4
70°-80°	17.8	1.2
80°-90°	3.7	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°	673.6	45.5
0°-40°	1036.4	69.9
0°-60°	1410.4	95.2
0°-90°	1482.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1482.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	883	883	883	883	883	
5°	872	872	876	882	886	82
15°	812	820	845	873	886	229
25°	728	742	774	796	808	333
35°	565	579	594	598	600	350
45°	350	352	310	306	301	270
55°	200	192	105	98	95	180
65°	108	97	21	17	17	107
75°	41	34	5	3	3	46
85°	8	6	1	0	0	10
90°	0	0	0	0	0	



TEST NUMBER: P684074

CATALOG NUMBER: LX6C15D010 EX6C159040 6LCSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	883.4	883.4	883.4	883.4	883.4	883.4	883.4	883.4	883.4	883.4	883.4
2.5°	881.2	878.0	880.2	875.9	881.2	875.9	877.0	878.0	877.0	878.0	879.1
5°	871.6	868.4	871.6	866.3	871.6	868.4	868.4	869.5	869.5	870.5	871.6
7.5°	858.8	855.6	858.8	853.5	859.9	856.7	856.7	858.8	857.7	858.8	861.0
10°	843.9	839.6	842.8	839.6	846.0	841.7	843.9	843.9	843.9	847.1	849.2
12.5°	827.9	823.6	827.9	822.6	828.9	825.8	826.8	830.0	831.1	833.2	834.3
15°	811.9	806.6	808.7	805.5	811.9	808.7	809.8	814.0	814.0	817.2	820.4
17.5°	791.6	787.3	791.6	787.3	792.7	790.5	792.7	795.9	795.9	799.1	802.3
20°	773.5	769.2	772.4	769.2	775.6	772.4	773.5	777.7	778.8	782.0	785.2
22.5°	751.1	747.9	750.0	746.8	753.2	751.1	752.2	756.4	757.5	759.6	764.9
25°	727.6	721.2	724.4	722.3	728.7	725.5	727.6	731.9	734.0	737.2	741.5
27.5°	693.5	690.2	692.4	692.4	697.7	694.5	695.6	699.9	703.0	706.3	711.6
30°	658.3	652.9	655.1	656.1	660.4	658.3	660.4	664.7	665.7	670.0	674.2
32.5°	613.5	611.3	615.6	613.5	615.6	615.6	616.6	619.8	622.0	624.1	629.5
35°	565.4	561.2	565.4	563.3	568.6	565.4	568.6	571.9	571.9	576.1	579.3
37.5°	513.2	507.8	510.0	510.0	512.1	511.0	511.0	516.4	517.4	520.6	523.8
40°	451.3	449.1	453.4	452.3	453.4	453.4	454.5	457.7	459.8	460.9	462.0
42.5°	395.8	396.9	397.9	397.9	397.9	397.9	397.9	402.2	401.1	404.4	405.4
45°	349.9	345.7	347.8	346.7	349.9	346.7	349.9	353.1	351.0	354.2	352.0
47.5°	303.0	303.0	303.0	301.9	304.1	303.0	305.1	306.2	306.2	306.2	305.1
50°	265.7	262.5	263.5	263.5	264.6	263.5	265.7	266.7	266.7	264.6	260.3
52.5°	229.4	228.3	228.3	230.4	230.4	229.4	229.4	229.4	229.4	226.2	224.0
55°	199.5	197.4	198.4	198.4	198.4	198.4	199.5	198.4	198.4	195.2	192.0
57.5°	172.8	170.7	170.7	170.7	171.7	170.7	170.7	170.7	169.6	166.4	162.2
60°	147.2	146.2	147.2	147.2	148.3	147.2	147.2	147.2	145.1	141.9	137.6
62.5°	125.9	125.9	125.9	126.9	126.9	125.9	125.9	124.8	123.8	119.5	115.2
65°	107.8	106.7	107.8	107.8	108.8	108.8	107.8	106.7	105.6	101.3	97.1
67.5°	89.6	88.5	89.6	89.6	90.7	89.6	89.6	89.6	86.4	84.3	80.0
70°	72.5	71.5	71.5	71.5	72.5	70.4	71.5	71.5	69.4	66.2	61.9
72.5°	55.5	55.5	55.5	55.5	55.5	55.5	54.4	54.4	52.3	49.1	46.9
75°	40.6	40.6	41.6	41.6	40.6	40.6	40.6	39.5	38.4	36.3	34.1
77.5°	29.9	29.9	29.9	29.9	28.8	28.8	28.8	27.7	26.7	25.6	23.5
80°	21.3	21.3	21.3	20.3	21.3	20.3	20.3	20.3	18.1	17.1	16.0
82.5°	14.9	13.9	13.9	13.9	13.9	13.9	13.9	12.8	12.8	11.8	10.7
85°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	7.5	6.4	6.4
87.5°	4.3	5.3	5.3	5.3	5.3	5.3	5.3	4.3	4.3	4.3	3.2
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: P684074

CATALOG NUMBER: LX6C15D010 EX6C159040 6LCSWH

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	883.4	883.4	883.4	883.4	883.4	883.4	883.4	883.4	883.4	883.4	883.4
2.5°	879.1	879.1	881.2	878.0	883.4	880.2	879.1	884.4	881.2	880.2	882.3
5°	871.6	872.7	873.8	871.6	877.0	873.8	873.8	879.1	877.0	875.9	879.1
7.5°	862.0	863.1	865.2	864.2	868.4	866.3	867.4	872.7	870.5	870.5	873.8
10°	850.3	852.4	854.6	854.6	859.9	857.7	857.7	864.2	862.0	863.1	867.4
12.5°	836.4	839.6	842.8	843.9	849.2	846.0	847.1	854.6	853.5	854.6	858.8
15°	821.5	825.8	828.9	828.9	835.4	832.1	835.4	842.8	840.7	844.9	850.3
17.5°	804.4	808.7	812.9	814.0	820.4	818.3	822.6	830.0	830.0	832.1	838.6
20°	788.4	793.8	795.9	799.1	805.5	804.4	806.6	815.1	815.1	818.3	824.7
22.5°	767.1	772.4	776.7	779.9	785.2	785.2	788.4	795.9	795.9	798.0	804.4
25°	743.6	750.0	753.2	756.4	761.7	760.7	763.9	770.3	771.3	773.5	779.9
27.5°	713.7	719.1	723.3	725.5	732.9	728.7	731.9	739.4	738.3	740.4	745.7
30°	676.4	681.7	686.0	686.0	692.4	692.4	695.6	698.8	698.8	700.9	705.2
32.5°	632.6	639.1	639.1	642.3	646.5	642.3	646.5	650.8	648.6	651.9	655.1
35°	582.5	585.7	586.8	586.8	590.0	588.9	587.8	591.0	588.9	594.2	597.5
37.5°	521.7	526.0	523.8	526.0	524.9	521.7	521.7	527.0	522.8	523.8	527.0
40°	463.0	463.0	462.0	456.6	457.7	454.5	453.4	454.5	450.2	449.1	453.4
42.5°	402.2	401.1	397.9	390.5	391.5	386.2	381.9	381.9	379.8	378.7	379.8
45°	347.8	344.6	339.2	330.7	328.6	324.3	315.8	313.7	310.4	310.4	311.5
47.5°	297.6	293.4	284.8	275.3	269.9	264.6	256.0	252.8	247.5	245.4	247.5
50°	256.0	248.6	237.9	224.0	218.7	212.3	203.8	198.4	193.1	191.0	189.9
52.5°	217.6	207.0	196.3	179.3	175.0	168.6	156.8	151.5	146.2	141.9	141.9
55°	184.5	175.0	160.0	144.0	137.6	131.2	119.5	112.0	106.7	104.6	102.4
57.5°	154.7	144.0	130.1	113.1	106.7	100.3	88.5	81.1	75.7	72.5	70.4
60°	130.1	118.4	104.6	89.6	82.2	75.7	64.0	56.5	51.2	48.0	45.9
62.5°	106.7	97.1	83.2	69.4	62.9	56.5	46.9	39.5	34.1	32.0	28.8
65°	89.6	80.0	67.2	55.5	50.1	43.7	35.2	28.8	24.6	21.3	19.2
67.5°	72.5	65.1	54.4	43.7	38.4	34.1	26.7	21.3	17.1	14.9	13.9
70°	57.6	50.1	41.6	33.1	29.9	25.6	20.3	14.9	12.8	10.7	9.6
72.5°	42.7	37.4	30.9	24.6	21.3	19.2	13.9	11.8	8.5	7.5	6.4
75°	30.9	26.7	22.4	17.1	14.9	13.9	10.7	7.5	6.4	5.3	4.3
77.5°	21.3	19.2	14.9	11.8	10.7	9.6	7.5	5.3	4.3	3.2	3.2
80°	13.9	11.8	9.6	7.5	7.5	6.4	4.3	3.2	3.2	2.1	2.1
82.5°	8.5	7.5	6.4	5.3	4.3	4.3	3.2	2.1	2.1	1.1	1.1
85°	5.3	4.3	3.2	3.2	2.1	2.1	2.1	1.1	1.1	1.1	1.1
87.5°	2.1	2.1	2.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
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: P684074

CATALOG NUMBER: LX6C15D010 EX6C159040 6LCSWH

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	883.4	883.4	883.4	883.4	883.4	883.4	883.4	883.4	883.4	883.4	883.4
2.5°	882.3	882.3	884.4	881.2	883.4	883.4	885.5	881.2	883.4	884.4	886.5
5°	878.0	879.1	881.2	880.2	881.2	881.2	883.4	878.0	882.3	882.3	885.5
7.5°	873.8	873.8	875.9	874.8	877.0	878.0	880.2	875.9	880.2	880.2	883.4
10°	868.4	868.4	871.6	870.5	873.8	874.8	878.0	873.8	878.0	879.1	882.3
12.5°	861.0	862.0	865.2	865.2	868.4	870.5	873.8	871.6	877.0	878.0	882.3
15°	852.4	854.6	858.8	857.7	861.0	864.2	868.4	865.2	872.7	874.8	879.1
17.5°	841.7	843.9	847.1	847.1	850.3	852.4	857.7	855.6	862.0	863.1	868.4
20°	825.8	828.9	833.2	832.1	835.4	837.5	841.7	839.6	846.0	848.2	853.5
22.5°	806.6	808.7	811.9	811.9	815.1	817.2	821.5	818.3	824.7	825.8	830.0
25°	781.0	783.1	785.2	786.3	789.5	790.5	792.7	790.5	795.9	797.0	802.3
27.5°	747.9	748.9	752.2	752.2	754.3	755.3	758.5	754.3	761.7	761.7	764.9
30°	708.4	707.3	711.6	709.5	711.6	711.6	714.8	712.7	718.0	715.9	719.1
32.5°	656.1	658.3	658.3	656.1	660.4	659.3	659.3	657.2	660.4	661.4	663.6
35°	595.3	598.5	598.5	599.6	600.7	597.5	598.5	592.1	597.5	598.5	599.6
37.5°	529.2	526.0	528.1	524.9	530.2	523.8	523.8	519.6	523.8	523.8	524.9
40°	453.4	452.3	454.5	452.3	451.3	450.2	448.1	444.9	449.1	447.0	450.2
42.5°	381.9	380.8	380.8	378.7	377.7	377.7	375.6	373.4	372.3	372.3	377.7
45°	308.3	310.4	308.3	307.3	309.4	307.3	308.3	304.1	306.2	304.1	306.2
47.5°	246.5	247.5	245.4	243.2	246.5	243.2	243.2	240.0	244.3	244.3	242.2
50°	191.0	189.9	187.8	189.9	188.8	188.8	188.8	185.6	187.8	184.5	186.7
52.5°	140.8	139.8	139.8	138.7	139.8	138.7	138.7	137.6	137.6	136.6	137.6
55°	102.4	101.3	99.2	99.2	99.2	100.3	99.2	98.2	98.2	97.1	98.2
57.5°	69.4	67.2	67.2	67.2	67.2	66.2	66.2	65.1	66.2	65.1	66.2
60°	44.8	44.8	42.7	42.7	42.7	42.7	42.7	41.6	42.7	42.7	42.7
62.5°	27.7	27.7	26.7	25.6	26.7	25.6	25.6	25.6	26.7	25.6	26.7
65°	18.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
67.5°	12.8	11.8	11.8	11.8	11.8	11.8	11.8	10.7	11.8	11.8	11.8
70°	8.5	8.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
72.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
75°	4.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
77.5°	3.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80°	2.1	2.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85°	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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: P684074

CATALOG NUMBER: LX6C15D010 EX6C159040 6LCSWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	883.4	883.4	883.4	883.4	883.4	883.4	883.4	883.4
2.5°	883.4	884.4	882.3	883.4	881.2	883.4	884.4	886.5
5°	881.2	882.3	880.2	882.3	880.2	882.3	883.4	885.5
7.5°	879.1	881.2	879.1	881.2	879.1	881.2	882.3	884.4
10°	879.1	882.3	880.2	883.4	880.2	882.3	884.4	885.5
12.5°	879.1	882.3	881.2	883.4	882.3	884.4	886.5	888.7
15°	877.0	880.2	878.0	881.2	880.2	881.2	885.5	885.5
17.5°	865.2	868.4	868.4	870.5	870.5	873.8	875.9	878.0
20°	850.3	853.5	852.4	855.6	855.6	858.8	861.0	863.1
22.5°	827.9	832.1	831.1	834.3	833.2	835.4	839.6	838.6
25°	799.1	804.4	803.3	805.5	804.4	804.4	806.6	807.6
27.5°	763.9	767.1	766.0	768.2	766.0	768.2	770.3	771.3
30°	718.0	720.1	719.1	720.1	719.1	721.2	722.3	724.4
32.5°	662.5	665.7	662.5	664.7	663.6	663.6	667.9	665.7
35°	596.4	597.5	598.5	598.5	596.4	597.5	599.6	599.6
37.5°	522.8	528.1	521.7	524.9	523.8	523.8	523.8	527.0
40°	446.0	447.0	444.9	444.9	444.9	443.8	448.1	447.0
42.5°	373.4	374.5	373.4	370.2	371.3	371.3	374.5	370.2
45°	303.0	305.1	304.1	304.1	301.9	301.9	303.0	300.9
47.5°	240.0	242.2	239.0	240.0	237.9	240.0	239.0	241.1
50°	182.4	184.5	183.5	184.5	184.5	182.4	185.6	181.4
52.5°	136.6	137.6	136.6	135.5	134.4	134.4	136.6	135.5
55°	97.1	96.0	96.0	96.0	97.1	97.1	96.0	95.0
57.5°	65.1	65.1	64.0	64.0	65.1	62.9	64.0	62.9
60°	41.6	41.6	41.6	41.6	40.6	41.6	41.6	41.6
62.5°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
65°	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
67.5°	10.7	11.8	11.8	11.8	10.7	10.7	10.7	10.7
70°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
72.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
75°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
77.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
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)