

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: P857452

Luminaire Tested: **LX4C25D010 EX4C259830 4LBLWWH**

Issue Date: 2/14/2022



Test Information

Test Method: LM-79-08
Report Number: P857452
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: LX4C25D010 EX4C259830 4LBLWWH
Description:
Light Source: -
Ballast/Driver: -

Summary

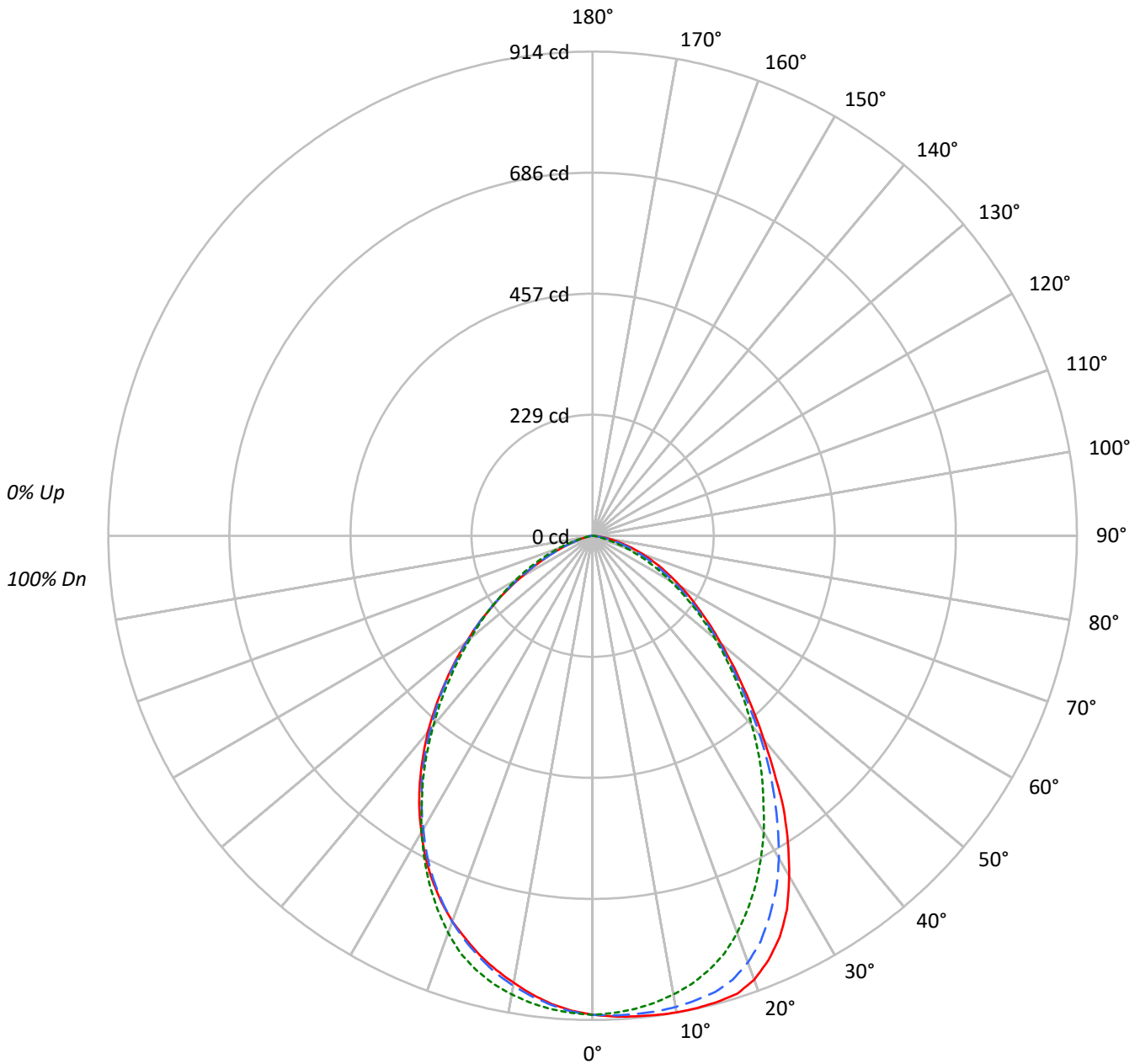
Lumens per Lamp: N/A
Luminaire Lumens: 1704.1 lumens
Efficiency: N/A
Efficacy: 54.1 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
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: P857452

CATALOG NUMBER: LX4C25D010 EX4C259830 4LBLWWH

Luminous Intensity Polar Plot





TEST NUMBER: P857452

CATALOG NUMBER: LX4C25D010 EX4C259830 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	48	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°	111084	111084	111084
5°	112322	110608	109412
10°	113983	109679	106910
15°	115842	107931	104344
20°	116579	104264	101257
25°	113242	98629	97111
30°	105231	91669	91712
35°	94200	83567	85337
40°	80652	74911	77637
45°	69427	66039	68523
50°	60358	57510	59230
55°	53119	49478	49006
60°	47249	41279	38035
65°	41453	33052	27500
70°	35633	23348	18607
75°	28907	13528	10870
80°	20659	5943	5448
85°	7753	2537	2537



TEST NUMBER: P857452

CATALOG NUMBER: LX4C25D010 EX4C259830 4LBLWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.2	5.0
10°-20°	241.2	14.2
20°-30°	344.5	20.2
30°-40°	360.4	21.1
40°-50°	301.9	17.7
50°-60°	211.3	12.4
60°-70°	115.1	6.8
70°-80°	39.9	2.3
80°-90°	4.6	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°	670.9	39.4
0°-40°	1031.3	60.5
0°-60°	1544.5	90.6
0°-90°	1704.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1704.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	904	904	904	904	904	
5°	911	907	897	889	887	87
15°	911	892	849	824	820	257
25°	835	791	728	713	716	381
35°	628	597	557	561	569	389
45°	400	391	380	393	394	311
55°	248	240	231	231	229	224
65°	143	130	114	96	95	142
75°	61	49	28	23	23	66
85°	6	3	2	2	2	10
90°	0	0	0	0	0	



TEST NUMBER: P857452

CATALOG NUMBER: LX4C25D010 EX4C259830 4LBLWWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	904.2	904.2	904.2	904.2	904.2	904.2	904.2	904.2	904.2	904.2	904.2
2.5°	908.4	907.3	907.7	907.7	907.7	907.3	907.7	907.3	907.3	907.0	906.4
5°	910.8	910.2	910.2	910.2	909.8	909.5	909.5	909.1	908.4	908.1	906.7
7.5°	912.6	911.9	911.9	911.5	911.2	910.8	910.5	909.5	908.4	907.7	906.0
10°	913.7	912.6	912.6	911.9	911.2	910.8	910.2	908.8	907.3	905.7	903.2
12.5°	913.0	911.9	911.5	910.8	909.5	908.8	908.1	906.4	903.9	901.5	898.3
15°	910.8	910.2	909.5	908.4	906.7	905.7	904.9	902.2	899.1	895.6	891.7
17.5°	906.7	905.7	904.2	902.9	900.4	899.4	897.6	894.1	889.6	884.8	878.9
20°	891.7	891.0	889.6	887.2	883.4	882.0	879.5	875.1	869.1	863.2	857.0
22.5°	867.0	866.0	863.9	861.8	858.3	855.9	853.8	847.6	840.9	834.7	828.8
25°	835.4	834.3	831.5	828.8	825.3	821.1	819.1	814.2	807.6	799.5	790.9
27.5°	794.7	791.2	790.2	787.1	781.8	780.5	777.3	771.0	764.8	757.8	750.5
30°	741.8	741.8	739.7	738.4	733.5	732.1	728.6	722.0	718.6	708.8	703.2
32.5°	685.8	685.1	683.4	682.4	679.6	677.1	673.6	670.1	662.6	657.7	650.0
35°	628.1	624.0	624.7	622.5	620.8	618.0	617.7	613.9	606.9	604.1	597.1
37.5°	562.3	560.6	563.0	559.9	558.2	558.6	555.7	553.3	550.6	545.7	544.3
40°	502.9	504.3	503.9	501.2	502.6	500.8	498.0	495.6	494.2	491.1	490.0
42.5°	449.7	447.6	446.9	446.9	447.3	447.3	445.9	444.1	444.1	441.0	437.8
45°	399.6	399.6	398.9	401.0	397.9	397.9	396.8	396.5	395.1	394.4	390.6
47.5°	356.5	356.2	355.8	355.4	355.1	355.1	353.0	351.3	350.9	348.8	346.7
50°	315.8	317.9	317.2	315.4	314.8	315.1	313.7	312.6	312.3	308.8	309.2
52.5°	281.7	281.3	282.1	281.0	279.3	279.7	278.2	276.8	275.5	273.7	272.3
55°	248.0	249.7	249.0	248.0	247.6	246.9	245.9	244.2	243.8	240.0	239.6
57.5°	219.8	219.5	218.7	217.0	216.7	215.6	215.6	214.2	212.1	210.1	208.3
60°	192.3	192.3	191.3	190.9	189.6	189.2	188.9	187.4	185.0	183.3	180.5
62.5°	165.9	166.6	165.9	164.9	163.8	162.4	161.8	160.7	158.6	156.9	154.4
65°	142.6	142.2	141.9	140.5	140.2	138.8	138.4	136.3	134.2	132.9	130.1
67.5°	120.3	119.3	119.3	118.6	117.9	116.8	116.2	114.1	111.6	110.2	107.5
70°	99.2	98.4	98.4	98.4	96.7	95.7	95.3	94.3	90.8	89.4	86.6
72.5°	79.6	79.3	78.9	77.9	76.9	76.9	75.4	73.4	71.6	69.9	67.9
75°	60.9	61.5	60.9	59.5	59.1	58.4	57.4	55.6	54.0	51.8	49.4
77.5°	44.5	43.8	43.2	43.2	42.4	41.0	40.7	39.3	37.2	35.8	33.4
80°	29.2	28.9	28.2	27.5	27.1	26.8	26.4	25.1	22.9	21.9	19.8
82.5°	16.0	15.7	15.7	15.3	14.3	14.3	13.9	12.5	11.5	10.8	9.7
85°	5.5	5.5	5.5	5.3	5.3	5.3	4.9	4.5	4.2	3.8	3.1
87.5°	0.7	0.4	0.7	0.4	0.7	0.4	0.4	0.4	0.4	0.4	0.4
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: P857452

CATALOG NUMBER: LX4C25D010 EX4C259830 4LBLWWH

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	904.2	904.2	904.2	904.2	904.2	904.2	904.2	904.2	904.2	904.2	904.2
2.5°	905.7	904.9	904.6	904.2	903.9	903.5	903.2	902.5	902.2	901.8	901.1
5°	905.7	904.2	903.5	902.5	901.8	901.1	900.0	899.1	898.0	896.9	895.9
7.5°	904.2	902.2	900.7	898.7	898.0	896.9	894.9	893.4	891.7	889.6	887.2
10°	900.7	898.3	895.6	892.8	891.7	890.0	887.2	884.8	882.0	879.2	876.8
12.5°	895.2	891.4	887.9	884.1	882.0	880.2	876.4	872.9	869.4	866.3	862.1
15°	886.8	882.4	877.8	872.6	870.2	868.1	862.5	858.3	852.8	848.6	844.4
17.5°	873.3	866.3	860.8	854.2	850.7	848.2	843.4	836.8	831.5	827.0	822.2
20°	850.0	843.4	835.7	828.4	824.6	821.5	814.5	807.6	802.4	797.5	792.2
22.5°	819.4	811.0	805.5	796.4	793.3	789.5	781.2	774.8	768.9	764.0	759.2
25°	782.1	774.8	767.3	758.9	755.0	750.5	743.5	736.9	733.1	727.6	721.7
27.5°	739.4	733.5	724.1	716.8	712.9	709.5	702.9	697.0	691.4	687.5	682.0
30°	694.2	687.3	678.9	671.2	669.2	665.0	659.1	654.5	648.7	646.2	643.7
32.5°	644.5	636.4	630.2	625.3	621.2	617.7	614.5	607.3	606.2	600.0	599.3
35°	590.2	586.7	580.8	576.6	573.1	570.7	565.5	562.1	558.2	557.2	554.8
37.5°	539.1	534.9	529.3	525.5	523.1	522.7	518.9	516.9	514.0	512.7	509.9
40°	485.6	483.8	478.9	478.2	474.4	474.0	471.9	469.5	467.1	467.1	467.5
42.5°	436.2	434.0	432.0	429.6	427.4	427.4	426.4	425.7	425.0	423.9	425.7
45°	389.9	387.1	385.7	383.3	384.3	382.2	381.5	381.5	380.5	380.1	382.6
47.5°	346.7	343.6	342.3	341.5	341.5	341.9	338.8	339.8	339.4	340.1	341.2
50°	307.5	304.6	302.6	302.6	302.9	301.5	300.2	301.1	300.2	300.9	303.3
52.5°	270.9	268.1	267.1	267.1	265.0	264.7	265.4	264.0	264.3	264.7	266.1
55°	237.2	235.4	233.7	231.9	232.3	231.6	230.2	229.9	230.6	231.0	232.7
57.5°	207.0	204.5	202.1	201.4	200.6	200.6	198.9	198.6	199.3	197.5	197.5
60°	178.1	176.7	173.5	172.5	172.5	170.8	169.3	170.1	168.4	168.0	168.4
62.5°	151.3	150.3	148.1	146.1	145.4	144.6	142.9	142.2	141.5	140.2	138.0
65°	128.0	125.6	123.1	121.7	120.7	119.0	117.9	116.6	114.4	113.7	111.6
67.5°	104.7	102.3	99.8	98.8	97.7	96.7	95.0	93.2	90.8	88.0	85.5
70°	84.2	81.1	79.6	76.9	76.2	74.8	72.3	70.6	68.1	65.0	62.6
72.5°	64.4	62.2	60.2	57.7	56.0	54.9	52.9	50.1	47.3	45.6	43.2
75°	46.3	45.2	42.4	39.7	39.0	37.5	35.1	33.4	31.3	28.5	26.4
77.5°	31.3	29.2	27.5	25.1	24.3	22.9	21.6	19.8	18.5	16.7	15.3
80°	18.5	16.7	15.7	13.9	13.2	12.5	11.5	10.1	9.0	8.4	8.0
82.5°	9.0	7.7	7.3	6.2	5.9	5.5	4.9	4.5	3.8	3.8	3.8
85°	3.1	2.4	2.4	2.1	1.8	1.8	1.8	1.8	1.8	1.8	1.8
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.4
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: P857452

CATALOG NUMBER: LX4C25D010 EX4C259830 4LBLWWH

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	904.2	904.2	904.2	904.2	904.2	904.2	904.2	904.2	904.2	904.2	904.2
2.5°	900.7	900.4	900.0	899.8	899.8	899.4	899.4	899.1	899.1	898.7	898.7
5°	894.5	893.4	892.8	892.1	892.1	891.0	890.3	889.6	889.3	889.3	888.6
7.5°	885.9	884.4	883.0	882.0	881.7	879.9	878.5	878.5	877.1	876.4	875.7
10°	874.4	871.9	869.8	868.7	867.4	866.3	864.6	863.6	862.5	860.8	860.4
12.5°	858.7	857.0	853.8	852.4	851.7	849.7	846.9	845.5	845.1	843.8	842.7
15°	840.9	837.2	834.3	832.6	832.6	829.1	827.7	825.7	824.2	823.3	822.9
17.5°	818.0	814.2	811.4	809.0	808.3	805.5	803.4	802.7	801.0	801.7	799.9
20°	788.5	785.3	783.2	780.1	780.1	778.3	777.7	775.9	775.2	774.5	775.2
22.5°	756.8	753.0	749.5	749.2	749.2	746.7	746.4	746.0	744.6	745.7	745.3
25°	719.5	716.8	714.7	714.4	714.4	712.9	711.6	712.2	713.3	712.9	714.0
27.5°	680.9	678.2	677.5	677.1	676.5	676.1	676.8	676.8	677.8	679.2	680.6
30°	639.2	638.6	637.5	637.1	636.4	638.2	638.8	639.9	639.6	641.7	643.0
32.5°	597.5	596.1	595.8	596.5	597.5	597.1	599.3	600.0	600.6	603.1	604.1
35°	555.4	555.1	554.4	554.4	554.8	557.5	557.5	559.9	561.4	562.1	564.8
37.5°	510.2	511.6	512.3	513.4	513.6	514.7	515.4	517.8	519.3	520.6	522.0
40°	468.8	468.2	471.3	469.1	469.9	473.0	474.4	474.0	476.1	478.2	479.6
42.5°	424.6	425.7	426.4	427.1	428.8	429.2	430.9	433.4	434.0	436.5	437.1
45°	381.8	382.2	383.6	385.0	386.0	388.8	389.5	390.6	392.6	392.6	393.7
47.5°	341.5	342.9	342.9	345.0	346.7	346.4	348.8	349.6	349.2	350.9	351.6
50°	302.9	305.0	304.6	306.0	306.8	307.1	309.2	309.9	308.5	310.2	310.6
52.5°	266.1	267.1	268.5	268.9	268.1	269.8	269.2	270.6	270.2	271.6	270.2
55°	232.3	231.9	231.9	232.7	231.9	232.7	233.4	231.9	231.0	232.3	231.9
57.5°	198.6	198.6	197.9	198.9	197.9	196.8	196.5	195.5	194.4	194.4	194.0
60°	166.9	166.2	164.9	164.5	164.5	162.7	162.0	160.7	160.7	159.3	157.9
62.5°	137.4	135.6	134.6	134.6	133.9	132.2	129.0	127.0	126.3	124.1	123.8
65°	109.6	107.8	106.7	104.7	102.9	102.3	99.2	96.7	95.7	93.5	93.9
67.5°	84.2	81.4	78.3	76.9	75.8	73.4	72.3	70.6	69.6	69.6	69.6
70°	60.5	58.1	54.9	54.0	53.2	51.1	50.1	49.8	50.7	50.5	50.7
72.5°	40.7	38.3	36.8	36.2	35.5	34.4	35.1	35.5	34.8	35.1	35.5
75°	24.7	24.0	22.9	22.7	22.7	22.9	22.7	22.7	22.9	22.9	23.3
77.5°	14.3	13.6	13.6	13.2	13.9	13.6	13.6	13.6	13.9	13.9	13.9
80°	7.7	7.7	7.7	7.7	8.0	7.7	8.0	8.0	8.0	8.0	8.0
82.5°	3.8	3.8	3.8	4.2	4.2	4.2	4.2	4.2	4.2	4.2	3.8
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
87.5°	0.4	0.7	0.7	0.7	0.7	0.7	0.4	0.4	0.4	0.4	0.4
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: P857452

CATALOG NUMBER: LX4C25D010 EX4C259830 4LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	904.2	904.2	904.2	904.2	904.2	904.2	904.2	904.2
2.5°	898.0	898.0	898.0	897.3	897.6	897.6	897.3	897.3
5°	888.3	887.9	887.2	887.2	886.5	887.2	886.8	887.2
7.5°	875.1	875.1	874.0	874.0	873.6	873.3	872.9	873.3
10°	859.4	859.4	858.7	858.3	858.7	857.3	857.3	857.0
12.5°	842.0	841.3	840.6	840.9	840.6	839.6	839.2	839.6
15°	821.8	820.8	821.1	820.0	820.0	819.8	820.4	820.4
17.5°	799.5	798.9	798.2	798.6	797.8	798.2	797.8	797.5
20°	774.8	774.5	774.5	773.1	773.5	773.1	773.5	774.5
22.5°	746.4	746.0	746.4	745.3	746.0	746.0	747.0	747.0
25°	715.1	714.7	715.4	715.7	716.1	717.1	716.1	716.4
27.5°	680.3	681.3	682.4	682.7	684.1	683.1	682.4	683.4
30°	645.2	645.2	644.8	646.2	647.2	648.3	646.5	646.5
32.5°	604.8	606.6	606.6	606.9	607.9	607.9	607.9	609.3
35°	566.2	567.2	567.6	566.2	566.9	566.5	569.0	569.0
37.5°	523.1	523.1	523.5	525.9	525.9	524.8	525.5	525.5
40°	482.1	482.3	481.0	481.7	483.4	482.7	483.4	484.1
42.5°	437.1	439.6	438.2	438.9	438.6	438.9	439.3	439.3
45°	394.4	395.1	395.1	395.4	396.1	396.8	394.8	394.4
47.5°	352.7	353.0	354.0	352.3	354.4	352.3	354.4	352.0
50°	310.6	311.9	311.0	311.6	310.6	310.6	310.2	309.9
52.5°	270.6	270.2	270.2	269.8	269.8	270.6	269.8	270.9
55°	230.6	231.0	230.2	229.9	229.5	230.6	229.5	228.8
57.5°	192.7	193.3	192.0	192.7	190.2	191.3	191.6	192.0
60°	157.6	156.5	156.5	155.1	155.1	156.1	154.8	154.8
62.5°	122.1	122.8	121.7	123.1	123.1	124.5	123.8	124.5
65°	93.5	93.9	94.3	94.3	94.3	96.3	95.7	94.6
67.5°	70.6	71.0	71.3	71.0	72.0	71.3	71.3	71.6
70°	51.1	51.5	51.8	51.8	51.5	51.8	51.8	51.8
72.5°	35.5	35.8	35.5	35.8	36.2	35.8	35.8	36.2
75°	23.3	23.3	22.9	22.9	22.9	22.9	23.3	22.9
77.5°	13.6	13.9	13.6	13.9	13.9	13.9	13.9	13.9
80°	8.0	8.0	8.0	7.7	8.0	8.0	8.0	7.7
82.5°	4.2	4.2	3.8	3.8	4.2	4.2	4.2	4.2
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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)