

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: P844119

Luminaire Tested: **LD6C20DE010B2750 EU6C20B30 6LBLWWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844119
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-9)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C20DE010B2750 EU6C20B30 6LBLWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

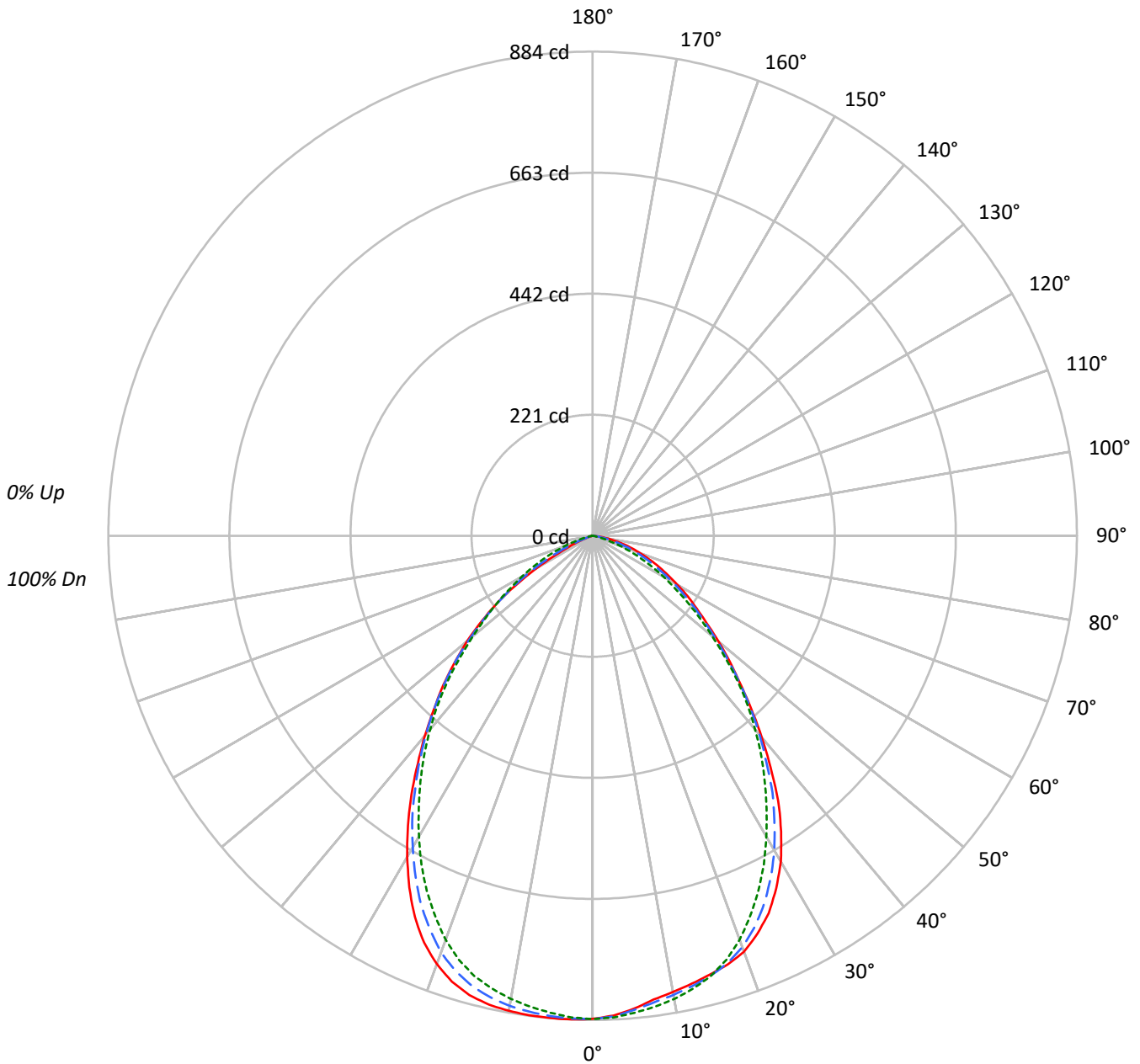
Lumens per Lamp: N/A
Luminaire Lumens: 1622.4 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 21.8
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: P844119

CATALOG NUMBER: LD6C20DE010B2750 EU6C20B30 6LBLWWLI

Luminous Intensity Polar Plot





TEST NUMBER: P844119

CATALOG NUMBER: LD6C20DE010B2750 EU6C20B30 6LBLWWLI

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								
1	111	108	104	101	109	105	102	100	101	99	97	98	96	94	94	92	91	89								
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78								
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69								
4	89	79	71	66	87	77	71	65	75	69	64	73	68	64	71	66	63	61								
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54								
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49								
7	72	60	52	47	70	59	52	46	58	51	46	56	50	46	55	50	46	44								
8	67	55	48	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40								
9	63	51	44	39	62	50	43	38	49	43	38	48	42	38	47	42	38	36								
10	59	47	40	35	58	47	40	35	46	40	35	45	39	35	44	39	35	33								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	48362	48362	48362
5°	47694	48112	48641
10°	47065	47795	49025
15°	47043	47242	49285
20°	47143	45790	48538
25°	45989	43297	46448
30°	43481	40145	42836
35°	39531	36667	38574
40°	34372	33012	34057
45°	29460	28941	29871
50°	25551	24255	25475
55°	22164	20167	20052
60°	19527	16325	12685
65°	17122	12401	6097
70°	14714	8223	2244
75°	11988	3452	635
80°	8082	821	253
85°	3334	189	189



TEST NUMBER: P844119

CATALOG NUMBER: LD6C20DE010B2750 EU6C20B30 6LBLWWLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.1	5.1
10°-20°	236.7	14.6
20°-30°	339.2	20.9
30°-40°	353.4	21.8
40°-50°	292.8	18.0
50°-60°	194.1	12.0
60°-70°	94.0	5.8
70°-80°	26.6	1.6
80°-90°	2.6	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°	658.9	40.6
0°-40°	1012.3	62.4
0°-60°	1499.2	92.4
0°-90°	1622.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1622.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	882	882	882	882	882	
5°	867	869	874	880	884	82
15°	829	832	832	851	868	234
25°	760	741	716	742	768	348
35°	591	572	548	565	576	366
45°	380	379	373	383	385	296
55°	232	224	211	207	210	210
65°	132	119	96	66	47	131
75°	57	43	16	3	3	61
85°	5	2	0	0	0	9
90°	0	0	0	0	0	



TEST NUMBER: P844119

CATALOG NUMBER: LD6C20DE010B2750 EU6C20B30 6LBLWWLI

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2
2.5°	876.7	876.9	877.5	876.9	877.2	877.5	877.5	877.8	877.8	878.0	878.4
5°	866.7	867.6	867.6	867.6	867.6	867.9	868.2	868.2	867.9	867.9	869.1
7.5°	854.1	855.1	854.8	855.1	855.3	856.3	855.9	856.5	857.1	858.0	859.1
10°	845.5	845.8	845.5	846.3	847.0	847.5	847.5	848.1	848.6	849.5	851.0
12.5°	837.5	837.9	838.2	838.7	839.3	839.0	839.7	840.2	840.5	841.0	842.0
15°	828.9	830.2	830.0	830.2	830.6	830.9	831.2	831.5	831.2	831.2	831.7
17.5°	820.7	820.9	821.3	821.3	821.3	821.3	820.7	820.7	819.8	818.9	818.4
20°	808.1	807.8	807.3	807.3	806.1	806.4	805.3	804.6	803.2	801.2	799.1
22.5°	786.2	787.7	787.2	785.1	783.9	783.9	782.8	780.2	777.8	775.5	772.9
25°	760.3	759.8	758.9	757.7	756.0	754.8	753.0	751.3	747.5	743.4	741.1
27.5°	725.6	726.6	724.5	722.8	721.8	720.1	718.3	716.0	711.4	707.9	703.9
30°	686.9	686.3	686.0	683.7	681.3	682.0	678.5	675.8	672.3	666.5	663.3
32.5°	640.3	641.1	639.4	639.1	634.8	634.2	634.2	630.0	627.2	621.7	617.2
35°	590.7	590.2	589.5	587.5	587.2	585.5	584.0	581.2	577.4	575.6	572.1
37.5°	533.6	533.9	534.2	534.2	533.0	531.9	530.7	530.7	525.4	524.6	520.5
40°	480.3	481.1	480.9	478.8	479.1	479.4	479.1	478.8	475.6	474.5	473.8
42.5°	428.4	429.8	428.4	428.1	428.4	428.4	427.8	428.7	427.3	428.4	425.8
45°	380.0	381.2	380.3	380.0	379.5	380.9	379.2	380.6	379.7	378.3	378.8
47.5°	338.3	337.2	338.3	337.8	336.9	335.7	337.5	336.6	334.5	334.3	334.8
50°	299.6	299.0	299.6	299.3	297.8	297.8	297.5	297.0	296.3	294.7	293.5
52.5°	262.6	264.6	263.1	264.6	262.6	261.7	262.0	261.1	260.0	259.3	257.0
55°	231.9	232.3	232.3	232.3	231.1	230.6	229.9	229.4	229.4	226.8	224.4
57.5°	205.5	204.9	204.5	203.7	203.2	202.5	202.0	200.2	198.5	196.1	194.4
60°	178.1	178.6	178.6	177.5	176.6	175.8	175.5	174.3	172.3	169.9	167.3
62.5°	154.4	155.0	153.6	153.6	151.9	151.6	151.6	149.8	147.4	144.8	141.9
65°	132.0	131.7	132.3	130.3	130.5	128.8	128.2	127.3	125.0	121.8	119.2
67.5°	110.7	111.4	110.4	109.9	108.7	108.1	107.6	104.9	103.8	100.8	97.9
70°	91.8	91.2	90.6	90.6	89.5	88.6	88.3	85.4	84.0	81.6	78.4
72.5°	74.0	73.4	72.9	72.0	71.1	70.9	69.1	67.4	65.6	62.6	60.3
75°	56.6	56.3	55.6	55.1	53.6	53.1	52.8	50.7	47.5	45.2	43.2
77.5°	40.8	41.1	40.0	38.7	37.9	37.0	36.4	34.7	32.7	30.0	28.0
80°	25.6	25.9	25.6	24.7	23.6	23.3	22.4	21.3	19.6	17.8	16.3
82.5°	13.7	13.7	13.4	13.1	12.3	12.3	11.6	10.8	9.9	9.0	7.8
85°	5.3	5.3	5.0	4.7	4.3	4.3	4.1	3.8	3.2	3.0	2.3
87.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	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: P844119

CATALOG NUMBER: LD6C20DE010B2750 EU6C20B30 6LBLWWLI

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2
2.5°	878.4	878.7	879.0	879.2	879.2	879.2	879.5	879.8	879.8	880.2	880.4
5°	869.6	869.9	870.7	871.1	871.7	871.4	872.2	873.2	873.7	874.3	875.2
7.5°	859.8	860.6	861.8	862.6	862.9	863.2	864.1	865.3	866.1	867.3	868.2
10°	851.6	852.5	853.6	854.8	854.8	855.3	855.9	856.8	857.7	858.6	859.8
12.5°	842.5	843.7	844.0	844.6	844.6	844.8	845.5	845.8	846.6	847.0	848.6
15°	831.7	831.7	831.7	831.7	831.7	831.5	830.9	831.5	831.5	832.4	833.2
17.5°	816.9	816.9	815.1	814.3	814.6	813.1	812.8	811.6	811.6	811.6	812.5
20°	797.4	794.7	792.7	790.1	788.9	788.4	787.7	785.1	784.9	784.9	784.9
22.5°	769.6	766.8	763.8	761.8	758.6	757.5	756.3	754.5	752.5	751.3	754.0
25°	735.9	732.4	728.9	724.8	724.0	722.5	719.5	717.8	717.0	715.8	716.3
27.5°	700.0	695.1	691.3	687.3	685.8	684.0	681.3	678.8	675.8	676.5	676.5
30°	658.9	653.1	649.1	644.1	643.8	642.0	639.7	636.5	634.2	634.2	635.6
32.5°	614.4	610.3	606.4	600.9	600.1	598.9	597.1	594.3	592.5	590.7	591.9
35°	569.2	562.8	560.1	556.6	556.9	553.7	551.1	549.3	549.7	547.9	548.8
37.5°	520.5	516.8	513.0	511.5	510.0	508.3	507.1	506.0	505.3	505.3	504.8
40°	471.3	469.2	467.5	466.8	464.3	464.8	464.5	463.7	462.0	461.3	463.1
42.5°	425.0	422.8	422.0	420.5	420.2	419.4	419.4	418.5	418.2	418.5	418.2
45°	377.2	376.8	374.8	374.8	376.0	375.0	372.7	374.2	374.2	373.3	375.0
47.5°	333.2	333.4	332.2	329.9	329.9	328.4	326.7	328.2	329.0	327.5	328.4
50°	293.2	291.5	289.1	287.4	288.2	287.7	286.2	285.0	284.2	284.4	285.6
52.5°	255.3	254.5	251.8	249.7	249.2	249.5	247.7	246.0	246.2	246.0	245.4
55°	221.2	221.2	217.7	216.8	214.5	214.5	212.2	211.8	211.0	211.0	209.5
57.5°	191.7	189.1	187.1	185.1	184.1	183.0	182.1	180.1	179.3	177.5	177.2
60°	164.7	161.5	160.0	157.7	155.9	154.7	153.3	151.6	150.4	148.9	147.2
62.5°	140.5	137.0	134.1	131.7	130.3	130.0	127.7	125.6	123.3	121.5	118.6
65°	116.2	114.2	111.1	107.9	107.2	105.8	103.4	101.1	98.3	95.6	93.8
67.5°	95.0	92.4	89.5	87.7	85.7	84.5	81.9	78.4	75.2	72.6	69.4
70°	76.0	72.2	69.7	66.7	66.2	63.6	61.2	57.7	54.8	51.3	46.6
72.5°	57.1	53.3	51.3	48.3	46.6	45.2	42.0	38.7	34.1	31.5	27.4
75°	40.2	37.0	34.1	31.2	30.0	28.0	25.4	21.9	18.9	16.3	13.4
77.5°	25.1	23.1	20.4	18.1	16.9	15.8	13.7	11.1	9.0	7.0	5.3
80°	14.3	12.5	10.8	9.0	8.5	7.8	6.1	4.7	3.8	2.6	1.8
82.5°	6.7	5.5	4.7	3.8	3.5	3.0	2.0	1.5	0.8	0.6	0.3
85°	2.0	1.5	1.2	0.8	0.6	0.6	0.3	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P844119

CATALOG NUMBER: LD6C20DE010B2750 EU6C20B30 6LBLWWLI

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2
2.5°	880.4	880.7	881.0	881.0	881.0	881.3	881.3	881.9	882.2	882.5	882.5
5°	875.7	876.7	877.2	877.5	877.8	878.7	879.0	879.8	880.4	881.0	881.5
7.5°	869.4	870.2	871.4	872.0	872.5	873.7	874.6	876.0	876.9	878.0	879.2
10°	861.2	862.4	864.1	864.7	865.3	866.7	868.4	870.2	871.7	873.4	874.9
12.5°	849.3	851.0	853.0	853.6	854.5	856.5	858.6	861.2	863.2	865.6	867.9
15°	834.4	836.7	838.2	838.7	839.9	842.8	844.8	847.8	851.0	854.5	857.1
17.5°	813.6	814.8	817.4	818.6	820.1	823.1	826.2	829.7	832.7	836.4	840.5
20°	786.6	788.4	791.5	792.7	794.5	797.0	801.7	804.6	809.3	814.0	816.9
22.5°	752.8	756.0	759.2	760.7	761.8	765.0	768.3	773.1	776.9	783.4	787.2
25°	717.8	718.7	721.3	724.0	724.5	728.6	732.4	738.2	742.0	746.1	751.3
27.5°	677.6	678.8	682.8	683.4	683.7	688.1	692.4	697.1	700.4	705.0	707.6
30°	635.6	637.6	639.4	640.6	642.6	644.6	648.8	654.6	656.9	661.0	664.5
32.5°	592.8	592.8	596.8	597.1	598.3	603.0	605.3	608.8	612.9	616.1	615.8
35°	550.2	551.3	552.8	554.9	555.8	558.6	559.6	562.1	564.8	567.1	570.1
37.5°	506.2	506.2	509.5	510.8	511.8	513.2	514.6	517.3	518.8	519.6	521.4
40°	464.3	465.5	466.0	466.6	466.6	468.6	469.8	471.8	472.7	475.1	473.8
42.5°	421.7	421.1	421.4	422.8	423.2	424.3	425.2	426.3	427.5	427.0	429.0
45°	376.5	376.8	377.4	377.4	378.3	379.7	381.2	381.8	382.7	384.1	384.4
47.5°	329.3	330.8	329.9	332.2	332.8	333.2	336.6	336.9	339.8	340.3	340.3
50°	285.3	285.3	287.0	287.9	288.5	289.4	290.5	291.7	292.6	294.7	295.2
52.5°	245.7	246.2	246.2	245.4	246.2	246.2	249.2	249.5	249.2	249.7	250.7
55°	210.2	210.4	208.7	209.8	209.5	208.7	209.2	207.5	207.2	208.0	207.5
57.5°	176.0	174.8	174.6	173.1	173.1	171.7	170.2	170.2	169.0	167.0	166.7
60°	145.4	143.6	142.5	141.6	139.3	137.8	135.8	134.1	131.7	129.1	127.7
62.5°	116.6	114.5	112.2	111.1	109.3	105.8	103.1	100.6	96.8	94.4	92.1
65°	91.0	87.7	84.0	82.2	80.5	77.2	73.7	69.4	65.6	62.4	58.3
67.5°	65.9	62.4	58.6	55.9	54.3	50.4	46.3	42.5	38.2	34.7	32.7
70°	43.2	38.7	35.2	33.2	31.5	27.7	23.9	20.7	18.6	17.8	17.5
72.5°	24.4	20.1	17.5	15.4	14.0	11.3	9.3	8.1	7.6	7.3	6.7
75°	10.5	7.8	6.1	5.0	4.3	3.5	3.2	3.2	3.2	3.0	3.0
77.5°	3.8	2.6	2.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	1.2	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P844119

CATALOG NUMBER: LD6C20DE010B2750 EU6C20B30 6LBLWWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2
2.5°	882.7	883.3	883.3	883.7	883.9	883.9	883.9	883.9
5°	882.2	882.7	883.0	883.3	883.7	883.9	883.9	883.9
7.5°	879.8	881.0	881.3	881.9	882.5	882.7	882.7	883.0
10°	876.4	877.5	878.4	879.0	879.5	880.2	880.7	880.7
12.5°	869.9	871.7	872.9	873.4	874.9	875.5	876.0	876.7
15°	859.4	861.8	863.2	864.4	865.6	867.3	867.6	868.4
17.5°	843.7	847.0	847.5	849.3	850.7	853.6	853.3	853.6
20°	820.9	824.4	825.6	827.4	829.7	831.7	833.5	832.0
22.5°	790.7	794.7	796.5	798.2	799.7	801.5	803.8	804.0
25°	754.8	758.3	759.8	761.0	763.8	765.3	767.6	767.9
27.5°	713.7	715.8	717.8	718.3	721.6	722.5	724.5	724.5
30°	667.0	669.4	671.7	672.7	673.5	674.3	675.8	676.7
32.5°	619.2	621.7	622.5	624.0	624.2	625.7	625.2	627.5
35°	571.5	572.1	572.9	572.7	574.7	574.4	576.7	576.4
37.5°	523.4	522.8	524.3	525.7	525.1	524.6	525.4	524.0
40°	475.3	475.6	475.9	477.4	475.9	476.8	476.3	475.9
42.5°	430.5	430.5	428.7	430.5	429.3	428.7	429.8	428.1
45°	385.0	384.7	385.0	385.3	385.3	385.3	384.1	385.3
47.5°	341.8	342.1	341.0	343.0	342.5	341.3	341.3	340.3
50°	296.1	297.8	299.8	298.1	299.6	298.7	297.8	298.7
52.5°	252.7	253.8	252.4	252.7	255.8	255.8	254.1	253.8
55°	206.3	206.3	206.9	207.2	207.5	211.3	209.2	209.8
57.5°	165.0	165.0	164.0	165.8	164.7	163.2	164.7	160.9
60°	125.3	125.0	124.2	123.0	120.0	119.2	116.0	115.7
62.5°	89.2	86.0	84.8	82.5	79.3	78.4	75.2	74.9
65°	55.4	51.6	50.4	49.3	47.8	47.5	46.3	47.0
67.5°	31.5	30.9	30.6	29.7	29.2	28.6	28.6	28.2
70°	16.6	15.4	15.1	14.9	14.9	13.7	13.4	14.0
72.5°	6.5	5.8	5.8	5.8	5.5	5.5	5.5	5.5
75°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3
87.5°	0.0	0.0	0.0	0.0	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



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°













(END OF REPORT)