

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: P843941

Luminaire Tested: **LD6C10DE010B2750 EU6C10B27 6LBSWLI**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P843941
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P252180)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C10DE010B2750 EU6C10B27 6LBSWLI
Description:
Light Source: -
Ballast/Driver:

Summary

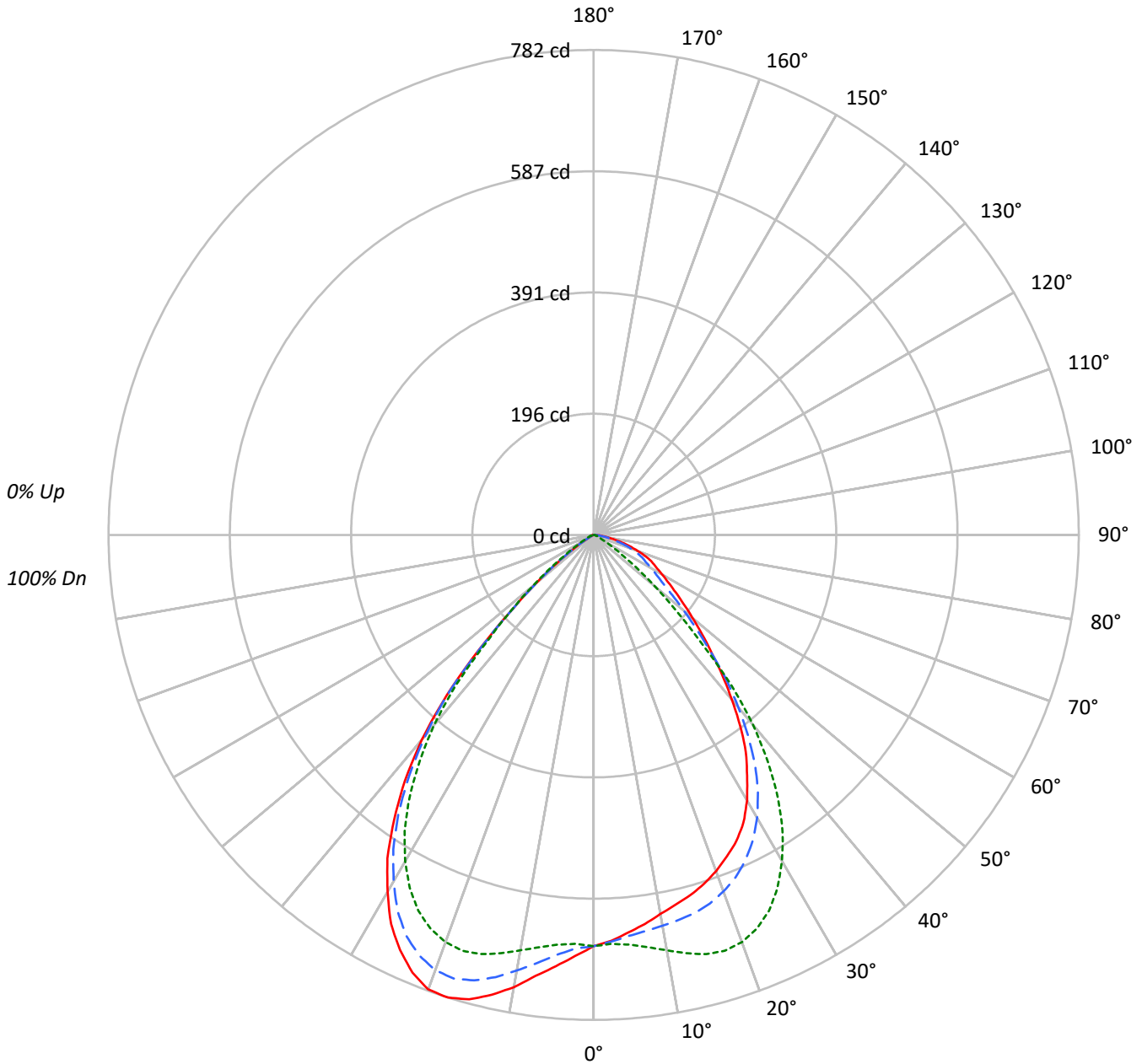
Lumens per Lamp: N/A
Luminaire Lumens: 1212.1 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P843941

CATALOG NUMBER: LD6C10DE010B2750 EU6C10B27 6LBSWLI

Luminous Intensity Polar Plot





TEST NUMBER: P843941

CATALOG NUMBER: LD6C10DE010B2750 EU6C10B27 6LBSWLI

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	112	108	105	103	109	106	103	101	102	100	98	98	96	95	95	93	92	90																			
2	105	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	80																			
3	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72																			
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65																			
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58																			
6	80	69	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53																			
7	74	63	56	51	73	62	55	50	61	55	50	60	54	50	58	53	50	48																			
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44																			
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40																			
10	62	50	43	39	61	50	43	39	49	43	39	48	43	39	47	42	38	37																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	36351	36351	36351
5°	35412	36490	38405
10°	34546	37864	41215
15°	34143	39716	43996
20°	33650	40755	45486
25°	32941	40448	44670
30°	31296	38443	42051
35°	28636	34659	37544
40°	24775	28625	30808
45°	20886	18777	20149
50°	17731	10865	10217
55°	15388	5209	3938
60°	13902	2434	976
65°	13490	1401	324
70°	12085	1122	305
75°	9955	805	127
80°	7419	410	0
85°	6416	0	0



TEST NUMBER: P843941

CATALOG NUMBER: LD6C10DE010B2750 EU6C10B27 6LBSWLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.0	5.3
10°-20°	195.2	16.1
20°-30°	298.2	24.6
30°-40°	311.9	25.7
40°-50°	202.4	16.7
50°-60°	80.4	6.6
60°-70°	38.1	3.1
70°-80°	18.1	1.5
80°-90°	3.7	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°	557.5	46.0
0°-40°	869.4	71.7
0°-60°	1152.1	95.1
0°-90°	1212.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1212.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	663	663	663	663	663	
5°	644	649	663	680	698	61
15°	602	631	700	744	775	170
25°	545	579	669	714	738	249
35°	428	454	518	548	561	265
45°	269	267	242	257	260	210
55°	161	137	54	42	41	146
65°	104	86	11	2	2	102
75°	47	38	4	1	1	51
85°	10	6	0	0	0	12
90°	0	0	0	0	0	



TEST NUMBER: P843941

CATALOG NUMBER: LD6C10DE010B2750 EU6C10B27 6LBSWLI

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	663.1	663.1	663.1	663.1	663.1	663.1	663.1	663.1	663.1	663.1	663.1
2.5°	654.9	656.2	649.2	647.3	652.3	654.3	654.9	653.0	653.6	656.2	656.2
5°	643.5	644.7	638.4	636.5	641.6	642.8	644.7	644.1	646.0	649.8	649.2
7.5°	632.7	634.6	627.6	625.1	631.4	634.6	635.8	635.8	638.4	643.5	644.1
10°	620.6	623.2	616.8	615.5	622.5	625.7	626.3	627.6	631.4	638.4	639.7
12.5°	610.5	613.0	608.6	606.7	614.3	617.4	618.7	621.3	625.7	634.6	635.8
15°	601.6	603.5	598.4	597.1	604.8	608.6	609.2	613.0	618.7	628.9	630.8
17.5°	590.2	591.4	587.6	586.4	594.0	597.8	598.4	602.9	609.8	620.0	623.2
20°	576.8	578.1	574.3	573.0	580.6	585.1	585.7	589.5	597.8	608.6	611.7
22.5°	561.0	563.6	559.2	557.8	565.5	569.2	571.1	574.3	582.5	593.3	597.8
25°	544.6	544.6	541.4	540.8	547.7	552.2	551.6	555.9	564.1	574.9	578.7
27.5°	523.0	522.4	519.2	518.6	526.2	530.0	528.7	533.2	540.8	551.6	555.4
30°	494.4	495.7	491.3	490.0	496.3	502.7	502.1	506.5	514.1	524.3	526.8
32.5°	460.3	461.4	460.9	459.0	464.6	467.8	469.7	472.9	479.2	490.0	492.5
35°	427.9	426.0	423.5	423.5	429.2	434.3	432.4	436.2	442.5	453.3	453.9
37.5°	387.9	387.3	386.0	384.8	391.1	392.4	393.0	395.6	401.3	410.2	408.9
40°	346.2	346.7	346.2	343.6	347.4	352.5	351.8	353.1	358.1	364.5	362.7
42.5°	306.8	306.8	306.8	304.3	308.7	311.3	312.5	311.9	313.2	318.9	316.3
45°	269.4	270.0	269.4	268.7	269.4	270.6	269.4	268.7	268.7	270.6	266.8
47.5°	237.1	237.1	235.2	233.3	235.2	235.9	233.9	232.0	231.4	230.8	224.4
50°	207.9	207.3	206.7	203.5	205.4	206.0	203.5	202.2	199.7	196.5	188.9
52.5°	182.5	181.9	181.3	178.1	179.4	180.0	177.5	174.9	171.8	169.2	159.8
55°	161.0	160.3	160.3	158.5	157.2	158.5	155.9	154.0	149.7	146.5	137.0
57.5°	142.7	142.7	141.4	139.5	140.1	140.1	137.6	135.1	131.3	127.4	119.8
60°	126.8	126.8	126.8	124.9	124.9	124.9	123.6	121.1	117.9	114.1	106.5
62.5°	114.1	114.1	113.5	111.6	112.2	112.2	110.9	108.4	105.2	102.7	95.1
65°	104.0	104.0	104.0	102.1	102.1	102.7	101.4	98.9	96.4	93.2	86.2
67.5°	91.3	90.6	90.6	89.4	90.0	90.6	89.4	87.5	84.3	82.4	76.0
70°	75.4	76.0	76.7	74.8	75.4	75.4	74.8	72.9	71.0	69.1	63.4
72.5°	61.4	61.4	60.8	60.3	60.3	60.8	59.5	57.6	56.4	55.2	50.7
75°	47.0	46.2	47.0	45.7	45.7	45.7	44.3	43.8	43.2	41.2	38.1
77.5°	34.3	33.6	33.6	32.4	33.0	33.0	32.4	31.1	29.8	29.2	26.7
80°	23.5	23.5	23.5	22.8	22.8	22.2	22.2	21.6	20.3	19.7	18.4
82.5°	15.9	15.9	15.9	15.2	15.2	15.2	14.6	14.0	13.3	12.7	11.4
85°	10.2	10.2	10.2	9.5	9.5	9.5	8.9	8.9	8.2	7.6	6.3
87.5°	5.7	5.7	5.7	5.1	5.1	5.1	5.1	5.1	4.4	3.8	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: P843941

CATALOG NUMBER: LD6C10DE010B2750 EU6C10B27 6LBSWLI

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	663.1	663.1	663.1	663.1	663.1	663.1	663.1	663.1	663.1	663.1	663.1
2.5°	660.5	651.7	657.3	657.3	655.5	660.5	663.8	666.3	665.6	660.0	659.2
5°	655.5	647.9	654.3	654.9	653.0	660.0	664.3	667.5	668.2	663.1	663.8
7.5°	651.7	645.4	653.6	656.2	655.5	661.9	666.9	671.9	674.5	670.6	671.3
10°	649.8	644.7	653.6	657.3	658.1	665.0	672.5	679.5	682.7	680.2	682.1
12.5°	647.3	644.1	654.3	660.0	662.4	669.4	678.9	687.1	692.2	691.0	694.8
15°	644.7	642.2	654.3	662.4	665.6	671.9	682.7	694.8	700.5	699.8	704.9
17.5°	638.4	637.8	650.4	659.2	663.8	671.3	681.4	696.0	701.7	703.0	709.4
20°	628.2	628.2	642.2	651.7	656.8	663.8	676.4	690.3	697.3	698.6	705.5
22.5°	614.3	615.5	628.9	638.4	646.0	651.1	664.3	678.9	685.2	687.1	694.8
25°	595.9	597.1	609.8	619.4	627.6	633.3	646.0	659.2	666.9	668.7	674.5
27.5°	571.8	574.3	586.4	595.9	602.9	606.7	620.0	633.9	639.7	641.6	647.3
30°	543.9	544.6	556.6	564.8	571.8	574.9	586.4	600.9	605.4	607.3	615.5
32.5°	509.7	509.0	520.5	528.1	533.8	537.6	549.7	559.2	563.6	566.8	571.1
35°	468.4	467.8	476.0	484.9	489.4	490.6	502.7	512.8	515.4	517.9	523.6
37.5°	422.2	422.2	429.2	433.6	438.7	440.6	446.3	457.7	462.2	461.4	465.9
40°	373.3	370.8	375.9	380.3	381.6	382.2	387.9	396.8	400.0	400.0	403.2
42.5°	322.0	318.2	318.9	321.4	322.7	318.2	322.0	327.8	325.9	328.4	329.0
45°	267.5	261.8	259.2	253.5	254.9	250.3	247.9	249.2	248.5	242.2	243.5
47.5°	223.2	213.0	208.6	200.3	198.4	193.3	190.2	184.5	179.4	179.4	176.2
50°	185.7	175.6	166.7	157.2	154.0	149.7	142.7	135.1	131.3	127.4	124.3
52.5°	155.9	145.2	134.4	124.3	119.8	114.1	104.6	97.0	90.0	86.2	82.4
55°	131.9	119.8	108.4	97.6	91.9	86.2	76.7	67.8	59.5	54.5	51.3
57.5°	113.5	102.1	90.0	78.6	73.5	67.2	57.1	47.5	40.0	34.3	31.1
60°	100.2	88.7	77.9	65.9	60.8	54.5	43.8	34.9	27.3	22.2	18.4
62.5°	88.7	78.6	67.2	56.4	51.3	45.1	34.9	26.0	19.0	14.0	10.8
65°	80.5	70.3	60.8	50.1	45.7	39.3	29.8	21.6	15.2	10.8	7.6
67.5°	71.0	62.1	52.6	43.8	39.3	34.3	25.4	18.4	12.7	8.9	6.3
70°	59.5	52.6	44.3	36.2	33.0	28.6	20.9	15.2	10.2	7.0	5.1
72.5°	47.5	41.9	35.5	29.2	26.7	22.2	17.1	12.1	7.6	5.1	3.8
75°	36.2	31.7	26.7	22.2	19.7	17.1	12.7	8.9	5.7	3.8	2.5
77.5°	24.7	22.8	19.0	15.2	14.0	12.1	8.2	5.7	3.8	2.5	1.3
80°	17.1	15.2	12.7	10.2	8.9	7.6	5.1	3.8	1.9	1.3	0.6
82.5°	10.8	8.9	7.6	6.3	5.7	4.4	3.2	1.9	1.3	0.6	0.6
85°	5.7	5.1	4.4	3.2	3.2	2.5	1.9	1.3	0.6	0.0	0.0
87.5°	3.2	2.5	1.9	1.3	1.3	0.6	0.6	0.6	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: P843941

CATALOG NUMBER: LD6C10DE010B2750 EU6C10B27 6LBSWLI

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	663.1	663.1	663.1	663.1	663.1	663.1	663.1	663.1	663.1	663.1	663.1
2.5°	666.9	666.9	666.3	673.8	665.0	673.8	669.4	673.8	667.5	666.9	667.5
5°	671.9	673.8	674.5	681.4	673.3	684.0	680.2	684.0	679.5	680.8	682.7
7.5°	682.1	685.2	684.6	693.5	685.2	697.3	694.8	700.5	696.0	697.3	699.8
10°	693.5	697.3	697.9	706.8	699.2	713.8	710.6	717.0	713.2	715.1	718.2
12.5°	706.8	711.3	711.9	722.0	713.8	729.0	727.1	733.5	730.3	732.2	736.0
15°	717.0	723.3	724.6	734.7	725.9	741.7	740.4	748.7	743.6	746.8	750.0
17.5°	722.0	727.8	730.3	739.8	732.2	748.1	746.8	753.8	750.0	753.1	756.9
20°	718.9	725.9	727.8	737.3	729.7	745.5	743.6	750.6	746.8	749.3	753.1
22.5°	707.5	714.4	717.0	725.9	718.9	733.5	732.8	739.2	734.1	737.3	740.4
25°	687.1	694.8	696.0	704.3	696.7	711.9	710.6	717.6	713.8	715.7	720.1
27.5°	658.1	666.9	668.7	675.7	670.1	682.7	682.7	688.4	684.0	684.0	688.4
30°	623.2	632.0	633.3	639.0	633.9	645.4	646.0	651.7	644.7	648.5	649.2
32.5°	580.6	586.4	590.2	595.2	587.6	602.2	600.3	604.8	600.9	600.9	604.1
35°	529.3	536.3	538.2	544.6	538.2	549.7	549.7	552.2	548.4	548.4	553.5
37.5°	473.5	478.6	479.2	485.6	480.5	490.0	489.4	491.3	487.5	490.0	490.0
40°	408.2	412.1	413.3	416.5	415.9	422.8	422.2	423.5	421.6	422.2	423.5
42.5°	332.2	337.3	339.8	342.4	338.5	348.1	346.2	348.1	347.4	348.1	350.0
45°	244.7	248.5	250.3	251.1	249.8	255.4	259.9	256.2	256.7	255.4	258.1
47.5°	176.8	177.5	176.2	180.0	176.8	179.4	180.6	181.3	177.5	176.8	179.4
50°	121.1	124.3	119.8	121.7	121.1	123.6	122.4	123.0	119.2	121.1	119.8
52.5°	80.5	79.9	78.6	79.2	77.9	77.9	77.9	79.2	76.7	75.4	74.1
55°	48.9	47.5	45.1	44.3	44.3	45.1	43.8	42.5	42.5	41.9	41.9
57.5°	28.6	26.7	25.4	24.7	23.5	22.8	22.2	22.2	20.9	20.9	20.9
60°	15.9	14.0	12.7	11.4	11.4	10.8	10.2	9.5	9.5	9.5	8.9
62.5°	8.2	7.0	5.7	5.1	5.1	4.4	3.8	3.8	3.8	3.8	3.2
65°	5.7	4.4	3.8	3.2	3.2	2.5	2.5	2.5	2.5	2.5	2.5
67.5°	4.4	3.8	3.2	2.5	2.5	2.5	1.9	1.9	1.9	1.9	1.9
70°	3.8	2.5	2.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
72.5°	2.5	2.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
75°	1.9	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0
80°	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	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	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: P843941

CATALOG NUMBER: LD6C10DE010B2750 EU6C10B27 6LBSWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	663.1	663.1	663.1	663.1	663.1	663.1	663.1	663.1
2.5°	673.3	672.5	673.3	674.5	671.9	679.5	675.7	679.5
5°	687.8	688.4	689.0	691.0	687.8	697.3	692.2	697.9
7.5°	706.8	707.5	708.1	710.0	708.1	717.6	711.9	717.0
10°	726.5	727.8	727.8	730.9	729.0	737.9	734.1	740.4
12.5°	744.9	746.2	747.4	749.3	748.1	757.6	754.4	759.5
15°	759.5	761.9	762.7	765.1	763.8	774.0	770.2	775.2
17.5°	766.5	768.9	768.9	772.1	770.8	781.6	776.5	782.2
20°	762.7	764.6	765.1	768.4	767.0	777.8	772.8	779.7
22.5°	750.6	751.2	751.9	755.0	754.4	763.8	759.5	763.8
25°	728.4	730.3	729.7	732.2	732.2	739.8	734.7	738.5
27.5°	696.7	698.6	698.6	701.7	699.2	706.8	701.7	707.5
30°	658.1	660.0	658.7	661.2	658.7	666.3	662.4	664.3
32.5°	611.7	611.7	612.4	613.0	611.7	618.7	614.9	618.7
35°	556.6	557.8	558.5	559.2	557.8	562.9	558.5	561.0
37.5°	494.4	497.6	497.0	497.6	495.7	502.1	498.3	499.5
40°	427.9	427.9	427.3	428.6	426.6	431.7	429.2	430.5
42.5°	350.6	352.5	350.0	353.1	348.1	354.9	352.5	350.6
45°	263.1	260.5	259.9	260.5	258.6	259.2	261.2	259.9
47.5°	179.4	179.4	178.1	176.2	178.7	179.4	176.8	176.8
50°	120.5	120.5	119.2	118.6	119.8	119.2	117.9	119.8
52.5°	76.7	74.1	74.1	75.4	74.1	72.9	74.8	73.5
55°	41.9	40.6	40.6	41.9	40.6	40.6	40.0	41.2
57.5°	20.3	20.9	20.3	20.3	20.3	20.3	19.7	20.3
60°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
62.5°	3.8	3.8	3.2	3.2	3.2	3.2	3.2	3.2
65°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
67.5°	1.9	1.9	1.9	1.9	1.9	2.5	1.9	1.9
70°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
72.5°	1.9	1.9	2.5	2.5	2.5	2.5	2.5	2.5
75°	1.3	1.3	1.3	0.6	0.6	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)