

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P212786

Luminaire Tested: **LD6B15D010 EU6B10208040 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212786
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29203)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B15D010 EU6B10208040 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1451.3 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

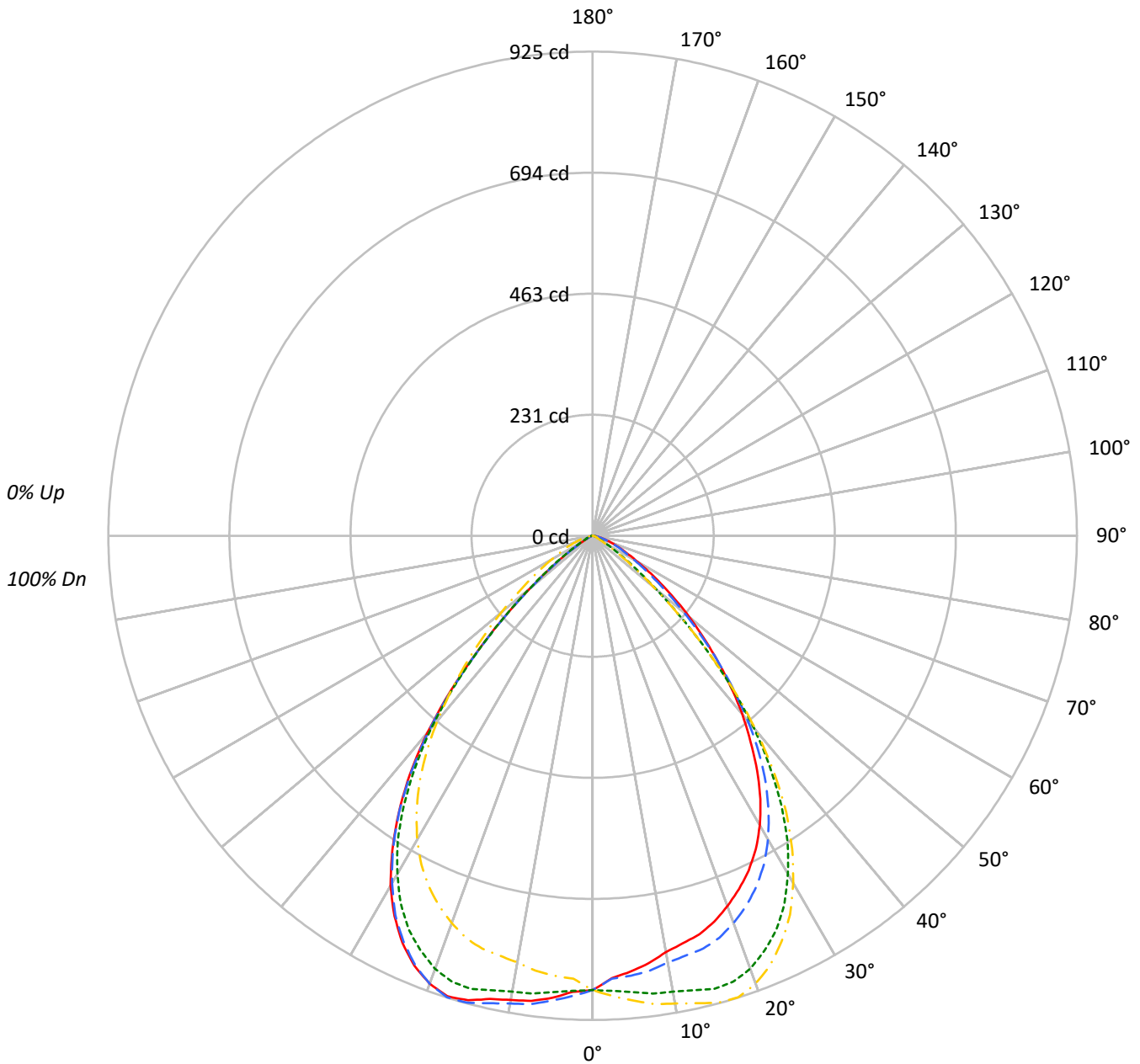
Input Watts (W): 14.39
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	109	106	103	110	107	104	102	103	100	99	99	97	96	95	94	93	91			91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	84	82			82
3	98	91	84	80	96	89	84	79	86	82	78	84	80	76	81	78	75	73			73
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66			66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60			60
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54			54
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49			49
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45			45
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42			42
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	47584	47584	47584	47584
5°	45988	48156	48767	48156
10°	44945	49220	50122	49220
15°	44734	50869	52134	50869
20°	43917	51349	53117	51349
25°	42662	50241	51953	50241
30°	40424	47210	48868	47210
35°	36654	42061	43212	42061
40°	31817	34279	35144	34279
45°	26088	23661	23816	23661
50°	20511	13270	13014	13270
55°	15168	6566	5887	6566
60°	10745	2884	2105	2884
65°	7990	1829	1310	1829
70°	5834	1459	978	1459
75°	4279	1080	635	1080
80°	2873	947	316	947
85°	1887	629	629	629



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.1	5.7
10°-20°	246.1	17.0
20°-30°	367.3	25.3
30°-40°	377.3	26.0
40°-50°	244.4	16.8
50°-60°	90.9	6.3
60°-70°	29.8	2.1
70°-80°	10.5	0.7
80°-90°	1.9	0.1
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°	696.5	48.0
0°-40°	1073.8	74.0
0°-60°	1409.1	97.1
0°-90°	1451.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1451.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	868	868	868	868	868	
5°	836	875	886	875	836	79
15°	788	896	919	896	788	222
25°	705	831	859	831	705	323
35°	548	628	646	628	548	340
45°	336	305	307	305	336	260
55°	159	69	62	69	159	145
65°	62	14	10	14	62	63
75°	20	5	3	5	20	22
85°	3	1	1	1	3	4
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0
2.5°	845.8	857.9	849.8	854.9	846.8	846.8	863.0	853.9	861.0	853.9	846.8
5°	835.7	850.9	840.7	845.8	838.7	839.7	854.9	847.8	854.9	849.8	843.8
7.5°	823.6	838.7	829.6	834.7	827.6	829.6	845.8	838.7	846.8	841.8	837.7
10°	807.4	823.6	815.5	820.5	814.5	815.5	831.7	826.6	833.7	830.6	827.6
12.5°	797.3	812.5	803.4	808.4	804.4	806.4	821.5	817.5	826.6	823.6	821.5
15°	788.2	802.3	794.3	799.3	796.3	797.3	813.5	809.4	819.5	817.5	816.5
17.5°	773.0	788.2	779.1	785.2	782.1	783.1	799.3	796.3	806.4	806.4	805.4
20°	752.8	768.0	760.9	765.0	762.9	765.0	779.1	777.1	787.2	787.2	787.2
22.5°	730.6	745.8	737.7	741.7	739.7	742.7	755.9	755.9	763.9	765.0	766.0
25°	705.3	720.5	712.4	717.5	715.4	717.5	729.6	730.6	737.7	737.7	739.7
27.5°	675.0	690.2	682.1	686.1	685.1	686.1	699.3	701.3	705.3	706.3	708.4
30°	638.6	652.8	644.7	648.7	648.7	648.7	661.9	662.9	666.9	667.9	670.0
32.5°	596.2	608.3	602.3	606.3	605.3	607.3	616.4	620.5	625.5	624.5	625.5
35°	547.7	560.8	554.8	557.8	558.8	561.8	567.9	573.0	574.0	575.0	577.0
37.5°	495.2	508.3	502.2	505.3	506.3	512.3	514.4	519.4	521.4	521.4	521.4
40°	444.6	450.7	445.6	448.7	449.7	454.7	456.8	460.8	462.8	461.8	460.8
42.5°	390.1	395.1	390.1	393.1	393.1	397.1	398.1	403.2	403.2	401.2	398.1
45°	336.5	341.6	336.5	338.5	338.5	342.6	342.6	342.6	344.6	341.6	336.5
47.5°	286.0	291.0	286.0	288.0	287.0	290.0	289.0	290.0	287.0	285.0	278.9
50°	240.5	242.5	240.5	239.5	240.5	242.5	241.5	241.5	237.5	234.4	227.4
52.5°	196.0	199.1	196.0	196.0	196.0	198.1	198.1	197.0	193.0	189.0	181.9
55°	158.7	160.7	159.7	158.7	158.7	160.7	158.7	158.7	154.6	151.6	144.5
57.5°	126.3	127.3	126.3	126.3	126.3	127.3	127.3	125.3	122.3	119.2	114.2
60°	98.0	99.0	99.0	98.0	98.0	100.0	100.0	99.0	96.0	94.0	88.9
62.5°	77.8	77.8	77.8	77.8	77.8	78.8	78.8	78.8	76.8	74.8	70.7
65°	61.6	62.7	61.6	61.6	62.7	63.7	62.7	63.7	61.6	60.6	57.6
67.5°	47.5	48.5	47.5	48.5	48.5	49.5	48.5	49.5	47.5	46.5	44.5
70°	36.4	36.4	36.4	36.4	36.4	37.4	36.4	37.4	36.4	35.4	33.3
72.5°	27.3	27.3	28.3	28.3	27.3	28.3	27.3	27.3	27.3	26.3	25.3
75°	20.2	20.2	21.2	20.2	20.2	20.2	20.2	20.2	19.2	19.2	18.2
77.5°	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	13.1	13.1	12.1
80°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	8.1	8.1
82.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	5.1	5.1
85°	3.0	3.0	3.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
87.5°	1.0	1.0	1.0	2.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0
2.5°	854.9	857.9	857.9	854.9	862.0	855.9	868.0	856.9	859.9	870.1	869.0
5°	851.9	855.9	856.9	854.9	864.0	858.9	871.1	859.9	865.0	875.1	875.1
7.5°	847.8	852.9	854.9	856.9	865.0	859.9	874.1	863.0	870.1	882.2	881.2
10°	838.7	845.8	849.8	852.9	861.0	857.9	873.1	864.0	870.1	884.2	883.2
12.5°	833.7	841.8	847.8	852.9	862.0	859.9	875.1	867.0	875.1	889.3	889.3
15°	829.6	838.7	845.8	854.9	864.0	862.0	878.1	871.1	879.1	896.3	895.3
17.5°	819.5	830.6	837.7	847.8	856.9	855.9	873.1	868.0	877.1	893.3	894.3
20°	802.3	812.5	820.5	832.7	842.8	840.7	858.9	853.9	863.0	880.2	881.2
22.5°	780.1	790.2	798.3	811.4	820.5	819.5	837.7	832.7	841.8	857.9	858.9
25°	753.8	762.9	771.0	783.1	793.3	793.3	809.4	804.4	814.5	830.6	830.6
27.5°	721.5	729.6	736.7	750.8	758.9	758.9	774.1	769.0	779.1	793.3	792.2
30°	682.1	689.2	695.2	707.4	714.4	715.4	728.6	723.5	733.6	745.8	745.8
32.5°	634.6	641.7	645.7	660.9	665.9	664.9	675.0	670.0	680.1	693.2	690.2
35°	584.1	587.1	590.1	605.3	607.3	603.3	613.4	608.3	615.4	628.5	626.5
37.5°	526.5	527.5	527.5	540.6	541.6	538.6	544.7	538.6	543.7	555.8	554.8
40°	462.8	461.8	460.8	470.9	469.9	463.8	467.9	462.8	469.9	479.0	473.9
42.5°	398.1	395.1	391.1	396.1	392.1	387.0	389.0	381.0	386.0	393.1	387.0
45°	334.5	328.4	320.3	321.3	316.3	310.2	307.2	299.1	298.1	305.2	300.1
47.5°	274.9	262.7	255.7	251.6	243.5	238.5	232.4	223.3	219.3	223.3	218.3
50°	221.3	209.2	200.1	191.0	182.9	176.8	166.7	160.7	154.6	155.6	151.6
52.5°	174.8	166.7	151.6	144.5	136.4	129.3	120.3	113.2	106.1	106.1	102.1
55°	138.4	127.3	117.2	107.1	99.0	93.0	83.9	76.8	69.7	68.7	64.7
57.5°	107.1	99.0	87.9	77.8	72.8	66.7	57.6	49.5	45.5	42.4	39.4
60°	82.9	74.8	65.7	57.6	51.5	47.5	38.4	32.3	28.3	26.3	23.2
62.5°	66.7	59.6	51.5	43.5	39.4	35.4	28.3	23.2	19.2	17.2	15.2
65°	53.6	47.5	41.4	35.4	32.3	28.3	23.2	19.2	16.2	14.1	12.1
67.5°	41.4	37.4	32.3	28.3	25.3	22.2	18.2	15.2	13.1	11.1	10.1
70°	31.3	28.3	25.3	21.2	19.2	17.2	14.1	11.1	10.1	9.1	8.1
72.5°	24.3	21.2	18.2	16.2	14.1	13.1	11.1	9.1	8.1	7.1	6.1
75°	16.2	15.2	13.1	11.1	10.1	9.1	8.1	7.1	6.1	5.1	5.1
77.5°	11.1	10.1	9.1	8.1	7.1	7.1	6.1	5.1	4.0	4.0	3.0
80°	7.1	6.1	6.1	5.1	5.1	5.1	4.0	3.0	3.0	3.0	2.0
82.5°	5.1	4.0	4.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	1.0
85°	3.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	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



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0
2.5°	861.0	870.1	870.1	878.1	879.1	877.1	868.0	868.0	880.2	887.2	875.1
5°	869.0	878.1	878.1	886.2	890.3	887.2	878.1	879.1	891.3	899.4	887.2
7.5°	876.1	885.2	887.2	896.3	899.4	896.3	887.2	889.3	902.4	909.5	897.3
10°	879.1	888.2	889.3	899.4	903.4	899.4	892.3	893.3	907.4	912.5	901.4
12.5°	886.2	895.3	895.3	906.4	910.5	907.4	898.3	900.4	914.5	919.6	908.5
15°	893.3	902.4	902.4	914.5	919.6	915.5	908.5	909.5	923.6	928.7	919.6
17.5°	893.3	901.4	901.4	914.5	919.6	916.5	908.5	909.5	924.6	928.7	919.6
20°	880.2	889.3	887.2	900.4	905.4	902.4	895.3	895.3	910.5	914.5	905.4
22.5°	858.9	867.0	865.0	877.1	883.2	879.1	873.1	872.1	887.2	891.3	882.2
25°	829.6	837.7	835.7	847.8	853.9	848.8	841.8	842.8	854.9	861.0	852.9
27.5°	795.3	800.3	797.3	809.4	815.5	810.4	803.4	804.4	816.5	820.5	814.5
30°	748.8	752.8	749.8	759.9	763.9	760.9	754.9	754.9	766.0	771.0	765.0
32.5°	693.2	696.2	693.2	701.3	709.4	703.3	697.3	697.3	709.4	713.4	706.3
35°	628.5	631.6	629.5	637.6	643.7	635.6	630.6	628.5	644.7	642.7	638.6
37.5°	556.8	558.8	552.8	566.9	569.9	560.8	556.8	554.8	568.9	567.9	563.9
40°	476.0	478.0	473.9	484.0	485.0	478.0	474.9	471.9	486.1	485.0	482.0
42.5°	390.1	391.1	386.0	394.1	396.1	389.0	388.0	384.0	397.1	395.1	394.1
45°	301.1	301.1	297.1	303.2	305.2	299.1	297.1	296.1	305.2	305.2	303.2
47.5°	218.3	215.2	210.2	219.3	220.3	216.2	215.2	212.2	221.3	221.3	219.3
50°	149.6	148.5	147.5	149.6	150.6	145.5	148.5	145.5	150.6	150.6	150.6
52.5°	100.0	99.0	97.0	99.0	99.0	96.0	96.0	95.0	99.0	99.0	97.0
55°	62.7	61.6	60.6	61.6	61.6	58.6	60.6	58.6	60.6	60.6	59.6
57.5°	38.4	36.4	36.4	35.4	35.4	33.3	34.4	34.4	34.4	34.4	34.4
60°	22.2	21.2	20.2	20.2	20.2	19.2	19.2	19.2	19.2	19.2	19.2
62.5°	14.1	14.1	13.1	13.1	13.1	13.1	13.1	12.1	13.1	13.1	13.1
65°	12.1	11.1	11.1	11.1	11.1	10.1	10.1	10.1	10.1	10.1	10.1
67.5°	10.1	9.1	9.1	9.1	9.1	8.1	8.1	8.1	8.1	8.1	8.1
70°	8.1	7.1	7.1	7.1	7.1	7.1	6.1	7.1	7.1	6.1	6.1
72.5°	6.1	6.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
75°	4.0	4.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0
77.5°	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
85°	1.0	1.0	1.0	1.0	1.0	0.0	1.0	0.0	1.0	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



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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0
2.5°	889.3	879.1	874.1	884.2	888.2	883.2	879.1	872.1	879.1	883.2	888.2
5°	901.4	892.3	888.2	895.3	901.4	896.3	893.3	886.2	893.3	896.3	901.4
7.5°	912.5	903.4	898.3	905.4	912.5	905.4	902.4	896.3	902.4	905.4	912.5
10°	916.5	906.4	902.4	908.5	915.5	908.5	904.4	900.4	904.4	908.5	915.5
12.5°	923.6	913.5	908.5	913.5	920.6	913.5	909.5	906.4	909.5	913.5	920.6
15°	933.7	924.6	918.6	923.6	932.7	924.6	919.6	918.6	919.6	924.6	932.7
17.5°	933.7	926.6	920.6	924.6	933.7	927.7	920.6	922.6	920.6	927.7	933.7
20°	920.6	913.5	908.5	908.5	921.6	913.5	907.4	910.5	907.4	913.5	921.6
22.5°	897.3	891.3	886.2	885.2	898.3	891.3	883.2	889.3	883.2	891.3	898.3
25°	867.0	861.0	856.9	854.9	868.0	859.9	852.9	858.9	852.9	859.9	868.0
27.5°	827.6	822.6	818.5	815.5	827.6	820.5	813.5	819.5	813.5	820.5	827.6
30°	777.1	774.1	770.0	766.0	778.1	771.0	763.9	772.0	763.9	771.0	778.1
32.5°	718.5	716.5	711.4	707.4	719.5	711.4	706.3	712.4	706.3	711.4	719.5
35°	650.8	647.7	644.7	637.6	650.8	643.7	643.7	645.7	643.7	643.7	650.8
37.5°	575.0	573.0	568.9	562.9	574.0	568.9	566.9	573.0	566.9	568.9	574.0
40°	490.1	489.1	486.1	479.0	491.1	486.1	483.0	491.1	483.0	486.1	491.1
42.5°	401.2	399.2	396.1	395.1	401.2	397.1	400.2	400.2	400.2	397.1	401.2
45°	309.2	307.2	305.2	301.1	308.2	306.2	305.2	307.2	305.2	306.2	308.2
47.5°	224.3	222.3	220.3	217.3	224.3	221.3	221.3	223.3	221.3	221.3	224.3
50°	150.6	151.6	150.6	148.5	150.6	149.6	150.6	152.6	150.6	149.6	150.6
52.5°	100.0	100.0	98.0	97.0	99.0	98.0	101.1	99.0	101.1	98.0	99.0
55°	60.6	61.6	60.6	59.6	60.6	59.6	62.7	61.6	62.7	59.6	60.6
57.5°	34.4	34.4	35.4	34.4	36.4	35.4	35.4	35.4	35.4	35.4	36.4
60°	19.2	19.2	19.2	19.2	19.2	19.2	20.2	19.2	20.2	19.2	19.2
62.5°	13.1	13.1	13.1	12.1	13.1	12.1	13.1	13.1	13.1	12.1	13.1
65°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
67.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
70°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
72.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
75°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	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: P212786

CATALOG NUMBER: LD6B15D010 EU6B10208040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0
2.5°	884.2	874.1	879.1	889.3	875.1	887.2	880.2	868.0	868.0	877.1	879.1
5°	895.3	888.2	892.3	901.4	887.2	899.4	891.3	879.1	878.1	887.2	890.3
7.5°	905.4	898.3	903.4	912.5	897.3	909.5	902.4	889.3	887.2	896.3	899.4
10°	908.5	902.4	906.4	916.5	901.4	912.5	907.4	893.3	892.3	899.4	903.4
12.5°	913.5	908.5	913.5	923.6	908.5	919.6	914.5	900.4	898.3	907.4	910.5
15°	923.6	918.6	924.6	933.7	919.6	928.7	923.6	909.5	908.5	915.5	919.6
17.5°	924.6	920.6	926.6	933.7	919.6	928.7	924.6	909.5	908.5	916.5	919.6
20°	908.5	908.5	913.5	920.6	905.4	914.5	910.5	895.3	895.3	902.4	905.4
22.5°	885.2	886.2	891.3	897.3	882.2	891.3	887.2	872.1	873.1	879.1	883.2
25°	854.9	856.9	861.0	867.0	852.9	861.0	854.9	842.8	841.8	848.8	853.9
27.5°	815.5	818.5	822.6	827.6	814.5	820.5	816.5	804.4	803.4	810.4	815.5
30°	766.0	770.0	774.1	777.1	765.0	771.0	766.0	754.9	754.9	760.9	763.9
32.5°	707.4	711.4	716.5	718.5	706.3	713.4	709.4	697.3	697.3	703.3	709.4
35°	637.6	644.7	647.7	650.8	638.6	642.7	644.7	628.5	630.6	635.6	643.7
37.5°	562.9	568.9	573.0	575.0	563.9	567.9	568.9	554.8	556.8	560.8	569.9
40°	479.0	486.1	489.1	490.1	482.0	485.0	486.1	471.9	474.9	478.0	485.0
42.5°	395.1	396.1	399.2	401.2	394.1	395.1	397.1	384.0	388.0	389.0	396.1
45°	301.1	305.2	307.2	309.2	303.2	305.2	305.2	296.1	297.1	299.1	305.2
47.5°	217.3	220.3	222.3	224.3	219.3	221.3	221.3	212.2	215.2	216.2	220.3
50°	148.5	150.6	151.6	150.6	150.6	150.6	150.6	145.5	148.5	145.5	150.6
52.5°	97.0	98.0	100.0	100.0	97.0	99.0	99.0	95.0	96.0	96.0	99.0
55°	59.6	60.6	61.6	60.6	59.6	60.6	60.6	58.6	60.6	58.6	61.6
57.5°	34.4	35.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	33.3	35.4
60°	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	20.2
62.5°	12.1	13.1	13.1	13.1	13.1	13.1	13.1	12.1	13.1	13.1	13.1
65°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	11.1
67.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	9.1
70°	6.1	6.1	6.1	6.1	6.1	6.1	7.1	7.1	6.1	7.1	7.1
72.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
75°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	1.0
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: P212786

CATALOG NUMBER: LD6B15D010 EU6B10208040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0
2.5°	878.1	870.1	870.1	861.0	869.0	870.1	859.9	856.9	868.0	855.9	862.0
5°	886.2	878.1	878.1	869.0	875.1	875.1	865.0	859.9	871.1	858.9	864.0
7.5°	896.3	887.2	885.2	876.1	881.2	882.2	870.1	863.0	874.1	859.9	865.0
10°	899.4	889.3	888.2	879.1	883.2	884.2	870.1	864.0	873.1	857.9	861.0
12.5°	906.4	895.3	895.3	886.2	889.3	889.3	875.1	867.0	875.1	859.9	862.0
15°	914.5	902.4	902.4	893.3	895.3	896.3	879.1	871.1	878.1	862.0	864.0
17.5°	914.5	901.4	901.4	893.3	894.3	893.3	877.1	868.0	873.1	855.9	856.9
20°	900.4	887.2	889.3	880.2	881.2	880.2	863.0	853.9	858.9	840.7	842.8
22.5°	877.1	865.0	867.0	858.9	858.9	857.9	841.8	832.7	837.7	819.5	820.5
25°	847.8	835.7	837.7	829.6	830.6	830.6	814.5	804.4	809.4	793.3	793.3
27.5°	809.4	797.3	800.3	795.3	792.2	793.3	779.1	769.0	774.1	758.9	758.9
30°	759.9	749.8	752.8	748.8	745.8	745.8	733.6	723.5	728.6	715.4	714.4
32.5°	701.3	693.2	696.2	693.2	690.2	693.2	680.1	670.0	675.0	664.9	665.9
35°	637.6	629.5	631.6	628.5	626.5	628.5	615.4	608.3	613.4	603.3	607.3
37.5°	566.9	552.8	558.8	556.8	554.8	555.8	543.7	538.6	544.7	538.6	541.6
40°	484.0	473.9	478.0	476.0	473.9	479.0	469.9	462.8	467.9	463.8	469.9
42.5°	394.1	386.0	391.1	390.1	387.0	393.1	386.0	381.0	389.0	387.0	392.1
45°	303.2	297.1	301.1	301.1	300.1	305.2	298.1	299.1	307.2	310.2	316.3
47.5°	219.3	210.2	215.2	218.3	218.3	223.3	219.3	223.3	232.4	238.5	243.5
50°	149.6	147.5	148.5	149.6	151.6	155.6	154.6	160.7	166.7	176.8	182.9
52.5°	99.0	97.0	99.0	100.0	102.1	106.1	106.1	113.2	120.3	129.3	136.4
55°	61.6	60.6	61.6	62.7	64.7	68.7	69.7	76.8	83.9	93.0	99.0
57.5°	35.4	36.4	36.4	38.4	39.4	42.4	45.5	49.5	57.6	66.7	72.8
60°	20.2	20.2	21.2	22.2	23.2	26.3	28.3	32.3	38.4	47.5	51.5
62.5°	13.1	13.1	14.1	14.1	15.2	17.2	19.2	23.2	28.3	35.4	39.4
65°	11.1	11.1	11.1	12.1	12.1	14.1	16.2	19.2	23.2	28.3	32.3
67.5°	9.1	9.1	9.1	10.1	10.1	11.1	13.1	15.2	18.2	22.2	25.3
70°	7.1	7.1	7.1	8.1	8.1	9.1	10.1	11.1	14.1	17.2	19.2
72.5°	5.1	5.1	6.1	6.1	6.1	7.1	8.1	9.1	11.1	13.1	14.1
75°	4.0	4.0	4.0	4.0	5.1	5.1	6.1	7.1	8.1	9.1	10.1
77.5°	2.0	2.0	3.0	3.0	3.0	4.0	4.0	5.1	6.1	7.1	7.1
80°	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	4.0	5.1	5.1
82.5°	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	3.0	3.0	3.0
85°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
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: P212786

CATALOG NUMBER: LD6B15D010 EU6B10208040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0	868.0
2.5°	854.9	857.9	857.9	854.9	846.8	853.9	861.0	853.9	863.0	846.8	846.8
5°	854.9	856.9	855.9	851.9	843.8	849.8	854.9	847.8	854.9	839.7	838.7
7.5°	856.9	854.9	852.9	847.8	837.7	841.8	846.8	838.7	845.8	829.6	827.6
10°	852.9	849.8	845.8	838.7	827.6	830.6	833.7	826.6	831.7	815.5	814.5
12.5°	852.9	847.8	841.8	833.7	821.5	823.6	826.6	817.5	821.5	806.4	804.4
15°	854.9	845.8	838.7	829.6	816.5	817.5	819.5	809.4	813.5	797.3	796.3
17.5°	847.8	837.7	830.6	819.5	805.4	806.4	806.4	796.3	799.3	783.1	782.1
20°	832.7	820.5	812.5	802.3	787.2	787.2	787.2	777.1	779.1	765.0	762.9
22.5°	811.4	798.3	790.2	780.1	766.0	765.0	763.9	755.9	755.9	742.7	739.7
25°	783.1	771.0	762.9	753.8	739.7	737.7	737.7	730.6	729.6	717.5	715.4
27.5°	750.8	736.7	729.6	721.5	708.4	706.3	705.3	701.3	699.3	686.1	685.1
30°	707.4	695.2	689.2	682.1	670.0	667.9	666.9	662.9	661.9	648.7	648.7
32.5°	660.9	645.7	641.7	634.6	625.5	624.5	625.5	620.5	616.4	607.3	605.3
35°	605.3	590.1	587.1	584.1	577.0	575.0	574.0	573.0	567.9	561.8	558.8
37.5°	540.6	527.5	527.5	526.5	521.4	521.4	521.4	519.4	514.4	512.3	506.3
40°	470.9	460.8	461.8	462.8	460.8	461.8	462.8	460.8	456.8	454.7	449.7
42.5°	396.1	391.1	395.1	398.1	398.1	401.2	403.2	403.2	398.1	397.1	393.1
45°	321.3	320.3	328.4	334.5	336.5	341.6	344.6	342.6	342.6	342.6	338.5
47.5°	251.6	255.7	262.7	274.9	278.9	285.0	287.0	290.0	289.0	290.0	287.0
50°	191.0	200.1	209.2	221.3	227.4	234.4	237.5	241.5	241.5	242.5	240.5
52.5°	144.5	151.6	166.7	174.8	181.9	189.0	193.0	197.0	198.1	198.1	196.0
55°	107.1	117.2	127.3	138.4	144.5	151.6	154.6	158.7	158.7	160.7	158.7
57.5°	77.8	87.9	99.0	107.1	114.2	119.2	122.3	125.3	127.3	127.3	126.3
60°	57.6	65.7	74.8	82.9	88.9	94.0	96.0	99.0	100.0	100.0	98.0
62.5°	43.5	51.5	59.6	66.7	70.7	74.8	76.8	78.8	78.8	78.8	77.8
65°	35.4	41.4	47.5	53.6	57.6	60.6	61.6	63.7	62.7	63.7	62.7
67.5°	28.3	32.3	37.4	41.4	44.5	46.5	47.5	49.5	48.5	49.5	48.5
70°	21.2	25.3	28.3	31.3	33.3	35.4	36.4	37.4	36.4	37.4	36.4
72.5°	16.2	18.2	21.2	24.3	25.3	26.3	27.3	27.3	27.3	28.3	27.3
75°	11.1	13.1	15.2	16.2	18.2	19.2	19.2	20.2	20.2	20.2	20.2
77.5°	8.1	9.1	10.1	11.1	12.1	13.1	13.1	14.1	14.1	14.1	14.1
80°	5.1	6.1	6.1	7.1	8.1	8.1	9.1	9.1	9.1	9.1	9.1
82.5°	3.0	4.0	4.0	5.1	5.1	5.1	6.1	6.1	6.1	6.1	6.1
85°	2.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0
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: P212786

CATALOG NUMBER: LD6B15D010 EU6B10208040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	868.0	868.0	868.0	868.0
2.5°	854.9	849.8	857.9	845.8
5°	845.8	840.7	850.9	835.7
7.5°	834.7	829.6	838.7	823.6
10°	820.5	815.5	823.6	807.4
12.5°	808.4	803.4	812.5	797.3
15°	799.3	794.3	802.3	788.2
17.5°	785.2	779.1	788.2	773.0
20°	765.0	760.9	768.0	752.8
22.5°	741.7	737.7	745.8	730.6
25°	717.5	712.4	720.5	705.3
27.5°	686.1	682.1	690.2	675.0
30°	648.7	644.7	652.8	638.6
32.5°	606.3	602.3	608.3	596.2
35°	557.8	554.8	560.8	547.7
37.5°	505.3	502.2	508.3	495.2
40°	448.7	445.6	450.7	444.6
42.5°	393.1	390.1	395.1	390.1
45°	338.5	336.5	341.6	336.5
47.5°	288.0	286.0	291.0	286.0
50°	239.5	240.5	242.5	240.5
52.5°	196.0	196.0	199.1	196.0
55°	158.7	159.7	160.7	158.7
57.5°	126.3	126.3	127.3	126.3
60°	98.0	99.0	99.0	98.0
62.5°	77.8	77.8	77.8	77.8
65°	61.6	61.6	62.7	61.6
67.5°	48.5	47.5	48.5	47.5
70°	36.4	36.4	36.4	36.4
72.5°	28.3	28.3	27.3	27.3
75°	20.2	21.2	20.2	20.2
77.5°	14.1	14.1	14.1	14.1
80°	9.1	9.1	9.1	9.1
82.5°	6.1	6.1	6.1	6.1
85°	4.0	3.0	3.0	3.0
87.5°	2.0	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0



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— 0°-180° - - 45°-225° - - - - 90°-270° - · - · 135°-315°





















(END OF REPORT)