

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: PORTFOLIO

Report Number: P212789

Luminaire Tested: **LE_6B15D010 EC6B10209027 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212789
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: PORTFOLIO
Catalog Number: LE_6B15D010 EC6B10209027 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1438.6 lumens
Efficiency: N/A
Efficacy: 99.9 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

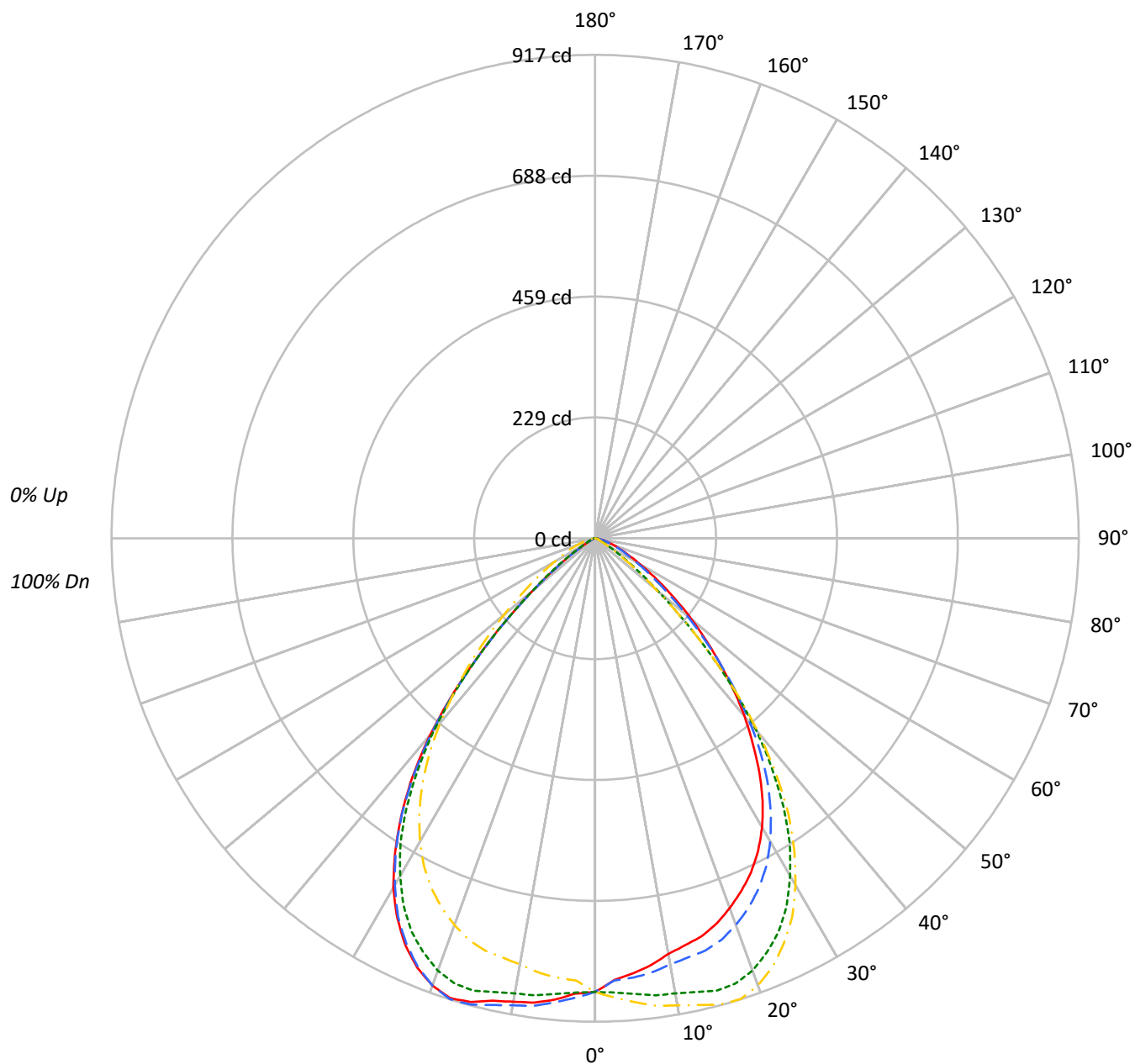
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10		70	50	30	10		50	30	10			50	30	10			50
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			102
1	112	109	106	103		110	107	104	102		103	100	99			99	97	96			95
2	105	99	94	90		103	97	93	89		94	90	87			91	88	85			88
3	98	91	84	80		96	89	84	79		86	82	78			84	80	76			81
4	92	83	76	71		90	82	75	71		79	74	70			77	73	69			75
5	86	76	69	64		84	75	68	63		73	67	63			71	66	62			70
6	81	70	63	57		79	69	62	57		67	61	57			66	60	56			64
7	76	64	57	52		74	64	57	52		62	56	52			61	56	51			60
8	71	60	53	48		70	59	52	48		58	52	47			57	51	47			56
9	67	55	48	44		66	55	48	44		54	48	43			53	47	43			52
10	63	52	45	40		62	51	45	40		50	44	40			49	44	40			49

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	47173	47173	47173	47173
5°	45586	47738	48343	47738
10°	44555	48791	49682	48791
15°	44348	50426	51680	50426
20°	43532	50900	52650	50900
25°	42293	49805	51505	49805
30°	40076	46792	48450	46792
35°	36339	41700	42837	41700
40°	31545	33985	34844	33985
45°	25863	23452	23607	23452
50°	20332	13151	12895	13151
55°	15025	6509	5840	6509
60°	10646	2851	2083	2851
65°	7926	1816	1297	1816
70°	5770	1443	962	1443
75°	4236	1059	635	1059
80°	2841	947	316	947
85°	1887	629	629	629



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.4	5.7
10°-20°	244.0	17.0
20°-30°	364.1	25.3
30°-40°	374.1	26.0
40°-50°	242.2	16.8
50°-60°	90.0	6.3
60°-70°	29.5	2.1
70°-80°	10.4	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°	690.4	48.0
0°-40°	1064.5	74.0
0°-60°	1396.8	97.1
0°-90°	1438.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1438.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	860	860	860	860	860	
5°	828	868	878	868	828	78
15°	781	888	911	888	781	220
25°	699	823	852	823	699	320
35°	543	623	640	623	543	337
45°	334	302	304	302	334	258
55°	157	68	61	68	157	143
65°	61	14	10	14	61	62
75°	20	5	3	5	20	22
85°	3	1	1	1	3	4
90°	0	0	0	0	0	



TEST NUMBER: P212789

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5
2.5°	838.5	850.5	842.5	847.5	839.5	839.5	855.5	846.5	853.5	846.5	839.5
5°	828.4	843.5	833.5	838.5	831.5	832.5	847.5	840.5	847.5	842.5	836.5
7.5°	816.4	831.5	822.4	827.4	820.4	822.4	838.5	831.5	839.5	834.5	830.4
10°	800.4	816.4	808.4	813.4	807.4	808.4	824.4	819.4	826.4	823.4	820.4
12.5°	790.4	805.4	796.4	801.4	797.4	799.4	814.4	810.4	819.4	816.4	814.4
15°	781.4	795.4	787.4	792.4	789.4	790.4	806.4	802.4	812.4	810.4	809.4
17.5°	766.4	781.4	772.4	778.4	775.4	776.4	792.4	789.4	799.4	799.4	798.4
20°	746.2	761.4	754.2	758.2	756.2	758.2	772.4	770.4	780.4	780.4	780.4
22.5°	724.2	739.2	731.2	735.2	733.2	736.2	749.2	749.2	757.2	758.2	759.4
25°	699.2	714.2	706.2	711.2	709.2	711.2	723.2	724.2	731.2	731.2	733.2
27.5°	669.1	684.1	676.1	680.1	679.1	680.1	693.2	695.2	699.2	700.2	702.2
30°	633.1	647.1	639.1	643.1	643.1	643.1	656.1	657.1	661.1	662.1	664.1
32.5°	591.0	603.0	597.0	601.0	600.0	602.0	611.0	615.1	620.1	619.1	620.1
35°	543.0	556.0	550.0	553.0	554.0	557.0	563.0	568.0	569.0	570.0	572.0
37.5°	490.9	503.9	497.9	500.9	501.9	507.9	509.9	514.9	516.9	516.9	516.9
40°	440.8	446.8	441.8	444.8	445.8	450.8	452.8	456.8	458.8	457.8	456.8
42.5°	386.6	391.6	386.6	389.6	389.6	393.6	394.6	399.8	399.8	397.8	394.6
45°	333.6	338.6	333.6	335.6	335.6	339.6	339.6	339.6	341.6	338.6	333.6
47.5°	283.5	288.5	283.5	285.5	284.5	287.5	286.5	287.5	284.5	282.5	276.5
50°	238.4	240.4	238.4	237.4	238.4	240.4	239.4	239.4	235.4	232.4	225.4
52.5°	194.4	197.4	194.4	194.4	194.4	196.4	196.4	195.4	191.4	187.4	180.2
55°	157.2	159.2	158.2	157.2	157.2	159.2	157.2	157.2	153.2	150.2	143.2
57.5°	125.2	126.2	125.2	125.2	125.2	126.2	126.2	124.2	121.2	118.2	113.2
60°	97.1	98.1	98.1	97.1	97.1	99.1	99.1	98.1	95.1	93.1	88.1
62.5°	77.1	77.1	77.1	77.1	77.1	78.1	78.1	78.1	76.1	74.1	70.1
65°	61.1	62.1	61.1	61.1	62.1	63.1	62.1	63.1	61.1	60.1	57.1
67.5°	47.1	48.1	47.1	48.1	48.1	49.1	48.1	49.1	47.1	46.1	44.1
70°	36.0	36.0	36.0	36.0	36.0	37.1	36.0	37.1	36.0	35.0	33.0
72.5°	27.0	27.0	28.0	28.0	27.0	28.0	27.0	27.0	27.0	26.0	25.0
75°	20.0	20.0	21.0	20.0	20.0	20.0	20.0	20.0	19.0	19.0	18.0
77.5°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	13.0	13.0	12.0
80°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	8.0	8.0
82.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.0	5.0
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°	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5
2.5°	847.5	850.5	850.5	847.5	854.5	848.5	860.5	849.5	852.5	862.5	861.5
5°	844.5	848.5	849.5	847.5	856.5	851.5	863.5	852.5	857.5	867.5	867.5
7.5°	840.5	845.5	847.5	849.5	857.5	852.5	866.5	855.5	862.5	874.5	873.5
10°	831.5	838.5	842.5	845.5	853.5	850.5	865.5	856.5	862.5	876.5	875.5
12.5°	826.4	834.5	840.5	845.5	854.5	852.5	867.5	859.5	867.5	881.5	881.5
15°	822.4	831.5	838.5	847.5	856.5	854.5	870.5	863.5	871.5	888.5	887.5
17.5°	812.4	823.4	830.4	840.5	849.5	848.5	865.5	860.5	869.5	885.5	886.5
20°	795.4	805.4	813.4	825.4	835.5	833.5	851.5	846.5	855.5	872.5	873.5
22.5°	773.4	783.4	791.4	804.4	813.4	812.4	830.4	825.4	834.5	850.5	851.5
25°	747.2	756.2	764.4	776.4	786.4	786.4	802.4	797.4	807.4	823.4	823.4
27.5°	715.2	723.2	730.2	744.2	752.2	752.2	767.4	762.4	772.4	786.4	785.4
30°	676.1	683.1	689.2	701.2	708.2	709.2	722.2	717.2	727.2	739.2	739.2
32.5°	629.1	636.1	640.1	655.1	660.1	659.1	669.1	664.1	674.1	687.2	684.1
35°	579.0	582.0	585.0	600.0	602.0	598.0	608.0	603.0	610.0	623.1	621.1
37.5°	521.9	522.9	522.9	535.9	536.9	533.9	539.9	533.9	538.9	551.0	550.0
40°	458.8	457.8	456.8	466.8	465.8	459.8	463.8	458.8	465.8	474.9	469.9
42.5°	394.6	391.6	387.6	392.6	388.6	383.6	385.6	377.6	382.6	389.6	383.6
45°	331.6	325.6	317.5	318.5	313.5	307.5	304.5	296.5	295.5	302.5	297.5
47.5°	272.5	260.5	253.5	249.4	241.4	236.4	230.4	221.4	217.4	221.4	216.4
50°	219.4	207.4	198.4	189.4	181.4	175.2	165.2	159.2	153.2	154.2	150.2
52.5°	173.2	165.2	150.2	143.2	135.2	128.2	119.2	112.2	105.1	105.1	101.1
55°	137.2	126.2	116.2	106.1	98.1	92.1	83.1	76.1	69.1	68.1	64.1
57.5°	106.1	98.1	87.1	77.1	72.1	66.1	57.1	49.1	45.1	42.1	39.1
60°	82.1	74.1	65.1	57.1	51.1	47.1	38.1	32.0	28.0	26.0	23.0
62.5°	66.1	59.1	51.1	43.1	39.1	35.0	28.0	23.0	19.0	17.0	15.0
65°	53.1	47.1	41.1	35.0	32.0	28.0	23.0	19.0	16.0	14.0	12.0
67.5°	41.1	37.1	32.0	28.0	25.0	22.0	18.0	15.0	13.0	11.0	10.0
70°	31.0	28.0	25.0	21.0	19.0	17.0	14.0	11.0	10.0	9.0	8.0
72.5°	24.0	21.0	18.0	16.0	14.0	13.0	11.0	9.0	8.0	7.0	6.0
75°	16.0	15.0	13.0	11.0	10.0	9.0	8.0	7.0	6.0	5.0	5.0
77.5°	11.0	10.0	9.0	8.0	7.0	7.0	6.0	5.0	4.0	4.0	3.0
80°	7.0	6.0	6.0	5.0	5.0	5.0	4.0	3.0	3.0	3.0	2.0
82.5°	5.0	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°	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5
2.5°	853.5	862.5	862.5	870.5	871.5	869.5	860.5	860.5	872.5	879.5	867.5
5°	861.5	870.5	870.5	878.5	882.5	879.5	870.5	871.5	883.5	891.5	879.5
7.5°	868.5	877.5	879.5	888.5	891.5	888.5	879.5	881.5	894.5	901.5	889.5
10°	871.5	880.5	881.5	891.5	895.5	891.5	884.5	885.5	899.5	904.6	893.5
12.5°	878.5	887.5	887.5	898.5	902.5	899.5	890.5	892.5	906.6	911.6	900.5
15°	885.5	894.5	894.5	906.6	911.6	907.6	900.5	901.5	915.6	920.6	911.6
17.5°	885.5	893.5	893.5	906.6	911.6	908.6	900.5	901.5	916.6	920.6	911.6
20°	872.5	881.5	879.5	892.5	897.5	894.5	887.5	887.5	902.5	906.6	897.5
22.5°	851.5	859.5	857.5	869.5	875.5	871.5	865.5	864.5	879.5	883.5	874.5
25°	822.4	830.4	828.4	840.5	846.5	841.5	834.5	835.5	847.5	853.5	845.5
27.5°	788.4	793.4	790.4	802.4	808.4	803.4	796.4	797.4	809.4	813.4	807.4
30°	742.2	746.2	743.2	753.2	757.2	754.2	748.2	748.2	759.4	764.4	758.2
32.5°	687.2	690.2	687.2	695.2	703.2	697.2	691.2	691.2	703.2	707.2	700.2
35°	623.1	626.1	624.1	632.1	638.1	630.1	625.1	623.1	639.1	637.1	633.1
37.5°	552.0	554.0	548.0	562.0	565.0	556.0	552.0	550.0	564.0	563.0	559.0
40°	471.9	473.9	469.9	479.9	480.9	473.9	470.9	467.8	481.9	480.9	477.9
42.5°	386.6	387.6	382.6	390.6	392.6	385.6	384.6	380.6	393.6	391.6	390.6
45°	298.5	298.5	294.5	300.5	302.5	296.5	294.5	293.5	302.5	302.5	300.5
47.5°	216.4	213.4	208.4	217.4	218.4	214.4	213.4	210.4	219.4	219.4	217.4
50°	148.2	147.2	146.2	148.2	149.2	144.2	147.2	144.2	149.2	149.2	149.2
52.5°	99.1	98.1	96.1	98.1	98.1	95.1	95.1	94.1	98.1	98.1	96.1
55°	62.1	61.1	60.1	61.1	61.1	58.1	60.1	58.1	60.1	60.1	59.1
57.5°	38.1	36.0	36.0	35.0	35.0	33.0	34.0	34.0	34.0	34.0	34.0
60°	22.0	21.0	20.0	20.0	20.0	19.0	19.0	19.0	19.0	19.0	19.0
62.5°	14.0	14.0	13.0	13.0	13.0	13.0	13.0	12.0	13.0	13.0	13.0
65°	12.0	11.0	11.0	11.0	11.0	10.0	10.0	10.0	10.0	10.0	10.0
67.5°	10.0	9.0	9.0	9.0	9.0	8.0	8.0	8.0	8.0	8.0	8.0
70°	8.0	7.0	7.0	7.0	7.0	7.0	6.0	7.0	7.0	6.0	6.0
72.5°	6.0	6.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
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°	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5
2.5°	881.5	871.5	866.5	876.5	880.5	875.5	871.5	864.5	871.5	875.5	880.5
5°	893.5	884.5	880.5	887.5	893.5	888.5	885.5	878.5	885.5	888.5	893.5
7.5°	904.6	895.5	890.5	897.5	904.6	897.5	894.5	888.5	894.5	897.5	904.6
10°	908.6	898.5	894.5	900.5	907.6	900.5	896.5	892.5	896.5	900.5	907.6
12.5°	915.6	905.6	900.5	905.6	912.6	905.6	901.5	898.5	901.5	905.6	912.6
15°	925.6	916.6	910.6	915.6	924.6	916.6	911.6	910.6	911.6	916.6	924.6
17.5°	925.6	918.6	912.6	916.6	925.6	919.6	912.6	914.6	912.6	919.6	925.6
20°	912.6	905.6	900.5	900.5	913.6	905.6	899.5	902.5	899.5	905.6	913.6
22.5°	889.5	883.5	878.5	877.5	890.5	883.5	875.5	881.5	875.5	883.5	890.5
25°	859.5	853.5	849.5	847.5	860.5	852.5	845.5	851.5	845.5	852.5	860.5
27.5°	820.4	815.4	811.4	808.4	820.4	813.4	806.4	812.4	806.4	813.4	820.4
30°	770.4	767.4	763.4	759.4	771.4	764.4	757.2	765.4	757.2	764.4	771.4
32.5°	712.2	710.2	705.2	701.2	713.2	705.2	700.2	706.2	700.2	705.2	713.2
35°	645.1	642.1	639.1	632.1	645.1	638.1	638.1	640.1	638.1	638.1	645.1
37.5°	570.0	568.0	564.0	558.0	569.0	564.0	562.0	568.0	562.0	564.0	569.0
40°	485.9	484.9	481.9	474.9	486.9	481.9	478.9	486.9	478.9	481.9	486.9
42.5°	397.8	395.6	392.6	391.6	397.8	393.6	396.6	396.6	396.6	393.6	397.8
45°	306.5	304.5	302.5	298.5	305.5	303.5	302.5	304.5	302.5	303.5	305.5
47.5°	222.4	220.4	218.4	215.4	222.4	219.4	219.4	221.4	219.4	219.4	222.4
50°	149.2	150.2	149.2	147.2	149.2	148.2	149.2	151.2	149.2	148.2	149.2
52.5°	99.1	99.1	97.1	96.1	98.1	97.1	100.1	98.1	100.1	97.1	98.1
55°	60.1	61.1	60.1	59.1	60.1	59.1	62.1	61.1	62.1	59.1	60.1
57.5°	34.0	34.0	35.0	34.0	36.0	35.0	35.0	35.0	35.0	35.0	36.0
60°	19.0	19.0	19.0	19.0	19.0	19.0	20.0	19.0	20.0	19.0	19.0
62.5°	13.0	13.0	13.0	12.0	13.0	12.0	13.0	13.0	13.0	12.0	13.0
65°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
67.5°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
70°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
72.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
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: P212789

CATALOG NUMBER: LE_6B15D010 EC6B10209027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5
2.5°	876.5	866.5	871.5	881.5	867.5	879.5	872.5	860.5	860.5	869.5	871.5
5°	887.5	880.5	884.5	893.5	879.5	891.5	883.5	871.5	870.5	879.5	882.5
7.5°	897.5	890.5	895.5	904.6	889.5	901.5	894.5	881.5	879.5	888.5	891.5
10°	900.5	894.5	898.5	908.6	893.5	904.6	899.5	885.5	884.5	891.5	895.5
12.5°	905.6	900.5	905.6	915.6	900.5	911.6	906.6	892.5	890.5	899.5	902.5
15°	915.6	910.6	916.6	925.6	911.6	920.6	915.6	901.5	900.5	907.6	911.6
17.5°	916.6	912.6	918.6	925.6	911.6	920.6	916.6	901.5	900.5	908.6	911.6
20°	900.5	900.5	905.6	912.6	897.5	906.6	902.5	887.5	887.5	894.5	897.5
22.5°	877.5	878.5	883.5	889.5	874.5	883.5	879.5	864.5	865.5	871.5	875.5
25°	847.5	849.5	853.5	859.5	845.5	853.5	847.5	835.5	834.5	841.5	846.5
27.5°	808.4	811.4	815.4	820.4	807.4	813.4	809.4	797.4	796.4	803.4	808.4
30°	759.4	763.4	767.4	770.4	758.2	764.4	759.4	748.2	748.2	754.2	757.2
32.5°	701.2	705.2	710.2	712.2	700.2	707.2	703.2	691.2	691.2	697.2	703.2
35°	632.1	639.1	642.1	645.1	633.1	637.1	639.1	623.1	625.1	630.1	638.1
37.5°	558.0	564.0	568.0	570.0	559.0	563.0	564.0	550.0	552.0	556.0	565.0
40°	474.9	481.9	484.9	485.9	477.9	480.9	481.9	467.8	470.9	473.9	480.9
42.5°	391.6	392.6	395.6	397.8	390.6	391.6	393.6	380.6	384.6	385.6	392.6
45°	298.5	302.5	304.5	306.5	300.5	302.5	302.5	293.5	294.5	296.5	302.5
47.5°	215.4	218.4	220.4	222.4	217.4	219.4	219.4	210.4	213.4	214.4	218.4
50°	147.2	149.2	150.2	149.2	149.2	149.2	149.2	144.2	147.2	144.2	149.2
52.5°	96.1	97.1	99.1	99.1	96.1	98.1	98.1	94.1	95.1	95.1	98.1
55°	59.1	60.1	61.1	60.1	59.1	60.1	60.1	58.1	60.1	58.1	61.1
57.5°	34.0	35.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	33.0	35.0
60°	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	20.0
62.5°	12.0	13.0	13.0	13.0	13.0	13.0	13.0	12.0	13.0	13.0	13.0
65°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	11.0
67.5°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	9.0
70°	6.0	6.0	6.0	6.0	6.0	6.0	7.0	7.0	6.0	7.0	7.0
72.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
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: P212789

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5
2.5°	870.5	862.5	862.5	853.5	861.5	862.5	852.5	849.5	860.5	848.5	854.5
5°	878.5	870.5	870.5	861.5	867.5	867.5	857.5	852.5	863.5	851.5	856.5
7.5°	888.5	879.5	877.5	868.5	873.5	874.5	862.5	855.5	866.5	852.5	857.5
10°	891.5	881.5	880.5	871.5	875.5	876.5	862.5	856.5	865.5	850.5	853.5
12.5°	898.5	887.5	887.5	878.5	881.5	881.5	867.5	859.5	867.5	852.5	854.5
15°	906.6	894.5	894.5	885.5	887.5	888.5	871.5	863.5	870.5	854.5	856.5
17.5°	906.6	893.5	893.5	885.5	886.5	885.5	869.5	860.5	865.5	848.5	849.5
20°	892.5	879.5	881.5	872.5	873.5	872.5	855.5	846.5	851.5	833.5	835.5
22.5°	869.5	857.5	859.5	851.5	851.5	850.5	834.5	825.4	830.4	812.4	813.4
25°	840.5	828.4	830.4	822.4	823.4	823.4	807.4	797.4	802.4	786.4	786.4
27.5°	802.4	790.4	793.4	788.4	785.4	786.4	772.4	762.4	767.4	752.2	752.2
30°	753.2	743.2	746.2	742.2	739.2	739.2	727.2	717.2	722.2	709.2	708.2
32.5°	695.2	687.2	690.2	687.2	684.1	687.2	674.1	664.1	669.1	659.1	660.1
35°	632.1	624.1	626.1	623.1	621.1	623.1	610.0	603.0	608.0	598.0	602.0
37.5°	562.0	548.0	554.0	552.0	550.0	551.0	538.9	533.9	539.9	533.9	536.9
40°	479.9	469.9	473.9	471.9	469.9	474.9	465.8	458.8	463.8	459.8	465.8
42.5°	390.6	382.6	387.6	386.6	383.6	389.6	382.6	377.6	385.6	383.6	388.6
45°	300.5	294.5	298.5	298.5	297.5	302.5	295.5	296.5	304.5	307.5	313.5
47.5°	217.4	208.4	213.4	216.4	216.4	221.4	217.4	221.4	230.4	236.4	241.4
50°	148.2	146.2	147.2	148.2	150.2	154.2	153.2	159.2	165.2	175.2	181.4
52.5°	98.1	96.1	98.1	99.1	101.1	105.1	105.1	112.2	119.2	128.2	135.2
55°	61.1	60.1	61.1	62.1	64.1	68.1	69.1	76.1	83.1	92.1	98.1
57.5°	35.0	36.0	36.0	38.1	39.1	42.1	45.1	49.1	57.1	66.1	72.1
60°	20.0	20.0	21.0	22.0	23.0	26.0	28.0	32.0	38.1	47.1	51.1
62.5°	13.0	13.0	14.0	14.0	15.0	17.0	19.0	23.0	28.0	35.0	39.1
65°	11.0	11.0	11.0	12.0	12.0	14.0	16.0	19.0	23.0	28.0	32.0
67.5°	9.0	9.0	9.0	10.0	10.0	11.0	13.0	15.0	18.0	22.0	25.0
70°	7.0	7.0	7.0	8.0	8.0	9.0	10.0	11.0	14.0	17.0	19.0
72.5°	5.0	5.0	6.0	6.0	6.0	7.0	8.0	9.0	11.0	13.0	14.0
75°	4.0	4.0	4.0	4.0	5.0	5.0	6.0	7.0	8.0	9.0	10.0
77.5°	2.0	2.0	3.0	3.0	3.0	4.0	4.0	5.0	6.0	7.0	7.0
80°	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	4.0	5.0	5.0
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: P212789

CATALOG NUMBER: LE_6B15D010 EC6B10209027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5
2.5°	847.5	850.5	850.5	847.5	839.5	846.5	853.5	846.5	855.5	839.5	839.5
5°	847.5	849.5	848.5	844.5	836.5	842.5	847.5	840.5	847.5	832.5	831.5
7.5°	849.5	847.5	845.5	840.5	830.4	834.5	839.5	831.5	838.5	822.4	820.4
10°	845.5	842.5	838.5	831.5	820.4	823.4	826.4	819.4	824.4	808.4	807.4
12.5°	845.5	840.5	834.5	826.4	814.4	816.4	819.4	810.4	814.4	799.4	797.4
15°	847.5	838.5	831.5	822.4	809.4	810.4	812.4	802.4	806.4	790.4	789.4
17.5°	840.5	830.4	823.4	812.4	798.4	799.4	799.4	789.4	792.4	776.4	775.4
20°	825.4	813.4	805.4	795.4	780.4	780.4	780.4	770.4	772.4	758.2	756.2
22.5°	804.4	791.4	783.4	773.4	759.4	758.2	757.2	749.2	749.2	736.2	733.2
25°	776.4	764.4	756.2	747.2	733.2	731.2	731.2	724.2	723.2	711.2	709.2
27.5°	744.2	730.2	723.2	715.2	702.2	700.2	699.2	695.2	693.2	680.1	679.1
30°	701.2	689.2	683.1	676.1	664.1	662.1	661.1	657.1	656.1	643.1	643.1
32.5°	655.1	640.1	636.1	629.1	620.1	619.1	620.1	615.1	611.0	602.0	600.0
35°	600.0	585.0	582.0	579.0	572.0	570.0	569.0	568.0	563.0	557.0	554.0
37.5°	535.9	522.9	522.9	521.9	516.9	516.9	516.9	514.9	509.9	507.9	501.9
40°	466.8	456.8	457.8	458.8	456.8	457.8	458.8	456.8	452.8	450.8	445.8
42.5°	392.6	387.6	391.6	394.6	394.6	397.8	399.8	399.8	394.6	393.6	389.6
45°	318.5	317.5	325.6	331.6	333.6	338.6	341.6	339.6	339.6	339.6	335.6
47.5°	249.4	253.5	260.5	272.5	276.5	282.5	284.5	287.5	286.5	287.5	284.5
50°	189.4	198.4	207.4	219.4	225.4	232.4	235.4	239.4	239.4	240.4	238.4
52.5°	143.2	150.2	165.2	173.2	180.2	187.4	191.4	195.4	196.4	196.4	194.4
55°	106.1	116.2	126.2	137.2	143.2	150.2	153.2	157.2	157.2	159.2	157.2
57.5°	77.1	87.1	98.1	106.1	113.2	118.2	121.2	124.2	126.2	126.2	125.2
60°	57.1	65.1	74.1	82.1	88.1	93.1	95.1	98.1	99.1	99.1	97.1
62.5°	43.1	51.1	59.1	66.1	70.1	74.1	76.1	78.1	78.1	78.1	77.1
65°	35.0	41.1	47.1	53.1	57.1	60.1	61.1	63.1	62.1	63.1	62.1
67.5°	28.0	32.0	37.1	41.1	44.1	46.1	47.1	49.1	48.1	49.1	48.1
70°	21.0	25.0	28.0	31.0	33.0	35.0	36.0	37.1	36.0	37.1	36.0
72.5°	16.0	18.0	21.0	24.0	25.0	26.0	27.0	27.0	27.0	28.0	27.0
75°	11.0	13.0	15.0	16.0	18.0	19.0	19.0	20.0	20.0	20.0	20.0
77.5°	8.0	9.0	10.0	11.0	12.0	13.0	13.0	14.0	14.0	14.0	14.0
80°	5.0	6.0	6.0	7.0	8.0	8.0	9.0	9.0	9.0	9.0	9.0
82.5°	3.0	4.0	4.0	5.0	5.0	5.0	6.0	6.0	6.0	6.0	6.0
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: P212789

CATALOG NUMBER: LE_6B15D010 EC6B10209027 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	860.5	860.5	860.5	860.5
2.5°	847.5	842.5	850.5	838.5
5°	838.5	833.5	843.5	828.4
7.5°	827.4	822.4	831.5	816.4
10°	813.4	808.4	816.4	800.4
12.5°	801.4	796.4	805.4	790.4
15°	792.4	787.4	795.4	781.4
17.5°	778.4	772.4	781.4	766.4
20°	758.2	754.2	761.4	746.2
22.5°	735.2	731.2	739.2	724.2
25°	711.2	706.2	714.2	699.2
27.5°	680.1	676.1	684.1	669.1
30°	643.1	639.1	647.1	633.1
32.5°	601.0	597.0	603.0	591.0
35°	553.0	550.0	556.0	543.0
37.5°	500.9	497.9	503.9	490.9
40°	444.8	441.8	446.8	440.8
42.5°	389.6	386.6	391.6	386.6
45°	335.6	333.6	338.6	333.6
47.5°	285.5	283.5	288.5	283.5
50°	237.4	238.4	240.4	238.4
52.5°	194.4	194.4	197.4	194.4
55°	157.2	158.2	159.2	157.2
57.5°	125.2	125.2	126.2	125.2
60°	97.1	98.1	98.1	97.1
62.5°	77.1	77.1	77.1	77.1
65°	61.1	61.1	62.1	61.1
67.5°	48.1	47.1	48.1	47.1
70°	36.0	36.0	36.0	36.0
72.5°	28.0	28.0	27.0	27.0
75°	20.0	21.0	20.0	20.0
77.5°	14.0	14.0	14.0	14.0
80°	9.0	9.0	9.0	9.0
82.5°	6.0	6.0	6.0	6.0
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)