

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: P212787

Luminaire Tested: **LE_6B15D010 EC6B10208050 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212787
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 EC6B10208050 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1813.1 lumens
Efficiency: N/A
Efficacy: 125.9 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

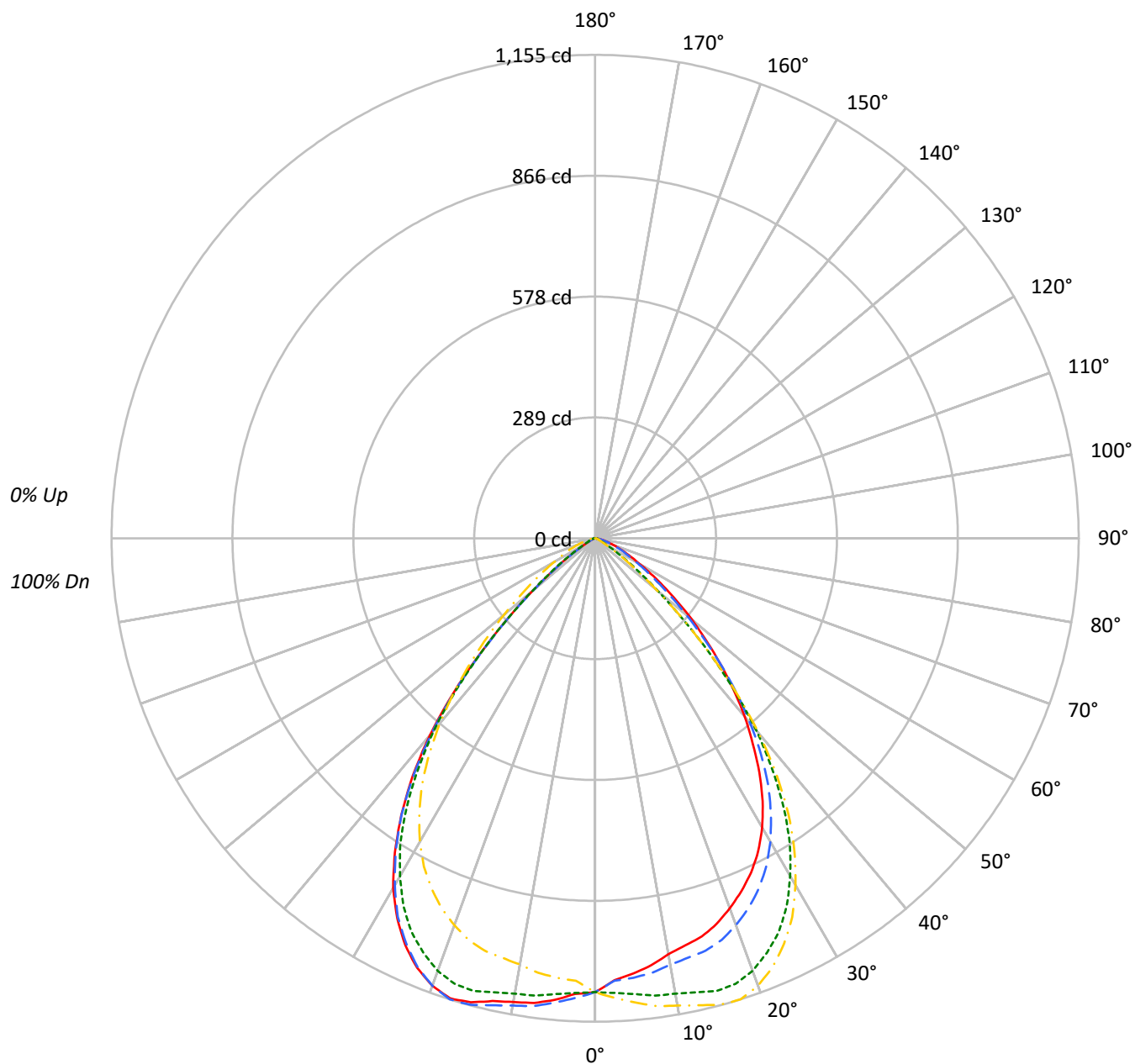
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	59452	59452	59452	59452
5°	57456	60158	60929	60158
10°	56156	61489	62619	61489
15°	55891	63559	65131	63559
20°	54867	64149	66360	64149
25°	53301	62774	64909	62774
30°	50508	58984	61054	58984
35°	45789	52548	53994	52548
40°	39753	42823	43911	42823
45°	32593	29553	29755	29553
50°	25628	16579	16255	16579
55°	18943	8210	7359	8210
60°	13431	3607	2631	3607
65°	9988	2283	1634	2283
70°	7293	1827	1218	1827
75°	5338	1313	805	1313
80°	3599	1200	379	1200
85°	2390	755	755	755



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.8	5.7
10°-20°	307.5	17.0
20°-30°	458.9	25.3
30°-40°	471.4	26.0
40°-50°	305.3	16.8
50°-60°	113.5	6.3
60°-70°	37.2	2.1
70°-80°	13.1	0.7
80°-90°	2.3	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°	870.2	48.0
0°-40°	1341.6	74.0
0°-60°	1760.4	97.1
0°-90°	1813.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1813.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1084	1084	1084	1084	1084	
5°	1044	1093	1107	1093	1044	99
15°	985	1120	1148	1120	985	277
25°	881	1038	1073	1038	881	404
35°	684	785	807	785	684	425
45°	420	381	384	381	420	325
55°	198	86	77	86	198	181
65°	77	18	13	18	77	78
75°	25	6	4	6	25	28
85°	4	1	1	1	4	5
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°	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5
2.5°	1056.8	1071.9	1061.8	1068.0	1058.0	1058.0	1078.1	1066.8	1075.6	1066.8	1058.0
5°	1044.1	1063.0	1050.4	1056.8	1047.9	1049.1	1068.0	1059.2	1068.0	1061.8	1054.1
7.5°	1028.9	1047.9	1036.5	1042.8	1034.0	1036.5	1056.8	1047.9	1058.0	1051.6	1046.6
10°	1008.8	1028.9	1018.9	1025.1	1017.5	1018.9	1039.0	1032.8	1041.5	1037.8	1034.0
12.5°	996.1	1015.0	1003.6	1010.0	1004.9	1007.5	1026.4	1021.4	1032.8	1028.9	1026.4
15°	984.8	1002.4	992.2	998.6	994.9	996.1	1016.2	1011.2	1023.9	1021.4	1020.1
17.5°	965.8	984.8	973.4	981.0	977.1	978.4	998.6	994.9	1007.5	1007.5	1006.2
20°	940.5	959.5	950.6	955.8	953.1	955.8	973.4	970.9	983.5	983.5	983.5
22.5°	912.8	931.8	921.6	926.6	924.1	927.9	944.4	944.4	954.4	955.8	957.0
25°	881.2	900.1	890.0	896.4	893.9	896.4	911.5	912.8	921.6	921.6	924.1
27.5°	843.4	862.2	852.1	857.2	856.0	857.2	873.6	876.1	881.2	882.5	885.0
30°	797.9	815.5	805.5	810.5	810.5	810.5	826.9	828.1	833.2	834.5	837.0
32.5°	744.9	760.0	752.4	757.5	756.2	758.8	770.1	775.1	781.5	780.2	781.5
35°	684.2	700.6	693.1	696.9	698.1	701.9	709.5	715.9	717.1	718.4	720.9
37.5°	618.6	635.0	627.5	631.2	632.5	640.1	642.6	648.9	651.4	651.4	651.4
40°	555.5	563.1	556.8	560.5	561.8	568.1	570.6	575.8	578.2	577.0	575.8
42.5°	487.4	493.6	487.4	491.1	491.1	496.1	497.4	503.8	503.8	501.2	497.4
45°	420.4	426.8	420.4	422.9	422.9	428.0	428.0	428.0	430.5	426.8	420.4
47.5°	357.2	363.6	357.2	359.8	358.5	362.4	361.1	362.4	358.5	356.0	348.5
50°	300.5	303.0	300.5	299.2	300.5	303.0	301.8	301.8	296.6	292.9	284.0
52.5°	244.9	248.8	244.9	244.9	244.9	247.5	247.5	246.1	241.1	236.1	227.2
55°	198.2	200.8	199.5	198.2	198.2	200.8	198.2	198.2	193.1	189.4	180.5
57.5°	157.8	159.1	157.8	157.8	157.8	159.1	159.1	156.5	152.8	149.0	142.6
60°	122.5	123.8	123.8	122.5	122.5	125.0	125.0	123.8	119.9	117.4	111.1
62.5°	97.2	97.2	97.2	97.2	97.2	98.5	98.5	98.5	96.0	93.4	88.4
65°	77.0	78.2	77.0	77.0	78.2	79.5	78.2	79.5	77.0	75.8	72.0
67.5°	59.4	60.6	59.4	60.6	60.6	61.9	60.6	61.9	59.4	58.1	55.5
70°	45.5	45.5	45.5	45.5	45.5	46.8	45.5	46.8	45.5	44.1	41.6
72.5°	34.1	34.1	35.4	35.4	34.1	35.4	34.1	34.1	34.1	32.9	31.5
75°	25.2	25.2	26.5	25.2	25.2	25.2	25.2	25.2	24.0	24.0	22.8
77.5°	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	16.4	16.4	15.1
80°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	10.1	10.1
82.5°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	6.2	6.2
85°	3.8	3.8	3.8	5.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8
87.5°	1.2	1.2	1.2	2.5	1.2	1.2	2.5	2.5	1.2	1.2	1.2
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°	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5
2.5°	1068.0	1071.9	1071.9	1068.0	1076.9	1069.4	1084.5	1070.6	1074.4	1087.0	1085.8
5°	1064.2	1069.4	1070.6	1068.0	1079.4	1073.1	1088.2	1074.4	1080.6	1093.2	1093.2
7.5°	1059.2	1065.5	1068.0	1070.6	1080.6	1074.4	1092.0	1078.1	1087.0	1102.1	1100.9
10°	1047.9	1056.8	1061.8	1065.5	1075.6	1071.9	1090.8	1079.4	1087.0	1104.6	1103.4
12.5°	1041.5	1051.6	1059.2	1065.5	1076.9	1074.4	1093.2	1083.2	1093.2	1111.0	1111.0
15°	1036.5	1047.9	1056.8	1068.0	1079.4	1076.9	1097.1	1088.2	1098.4	1119.9	1118.5
17.5°	1023.9	1037.8	1046.6	1059.2	1070.6	1069.4	1090.8	1084.5	1095.9	1116.0	1117.2
20°	1002.4	1015.0	1025.1	1040.2	1052.9	1050.4	1073.1	1066.8	1078.1	1099.6	1100.9
22.5°	974.6	987.2	997.4	1013.8	1025.1	1023.9	1046.6	1040.2	1051.6	1071.9	1073.1
25°	941.8	953.1	963.2	978.4	991.0	991.0	1011.2	1004.9	1017.5	1037.8	1037.8
27.5°	901.4	911.5	920.4	938.0	948.1	948.1	967.0	960.8	973.4	991.0	989.8
30°	852.1	861.0	868.6	883.8	892.6	893.9	910.2	903.9	916.5	931.8	931.8
32.5°	792.9	801.6	806.8	825.6	832.0	830.8	843.4	837.0	849.6	866.0	862.2
35°	729.8	733.5	737.2	756.2	758.8	753.8	766.4	760.0	768.9	785.2	782.8
37.5°	657.8	659.0	659.0	675.4	676.6	672.9	680.5	672.9	679.2	694.4	693.1
40°	578.2	577.0	575.8	588.4	587.0	579.5	584.5	578.2	587.0	598.4	592.1
42.5°	497.4	493.6	488.6	494.9	489.9	483.5	486.0	476.0	482.2	491.1	483.5
45°	417.9	410.2	400.2	401.5	395.1	387.6	383.8	373.8	372.4	381.2	375.0
47.5°	343.4	328.2	319.4	314.4	304.2	298.0	290.4	279.0	274.0	279.0	272.8
50°	276.5	261.4	250.0	238.6	228.5	220.9	208.2	200.8	193.1	194.4	189.4
52.5°	218.4	208.2	189.4	180.5	170.4	161.6	150.2	141.4	132.5	132.5	127.5
55°	173.0	159.1	146.5	133.9	123.8	116.1	104.8	96.0	87.1	85.9	80.8
57.5°	133.9	123.8	109.9	97.2	90.9	83.4	72.0	61.9	56.8	53.0	49.2
60°	103.5	93.4	82.0	72.0	64.4	59.4	48.0	40.4	35.4	32.9	29.0
62.5°	83.4	74.5	64.4	54.2	49.2	44.1	35.4	29.0	24.0	21.5	18.9
65°	66.9	59.4	51.8	44.1	40.4	35.4	29.0	24.0	20.2	17.6	15.1
67.5°	51.8	46.8	40.4	35.4	31.5	27.8	22.8	18.9	16.4	13.9	12.6
70°	39.1	35.4	31.5	26.5	24.0	21.5	17.6	13.9	12.6	11.4	10.1
72.5°	30.2	26.5	22.8	20.2	17.6	16.4	13.9	11.4	10.1	8.9	7.6
75°	20.2	18.9	16.4	13.9	12.6	11.4	10.1	8.9	7.6	6.2	6.2
77.5°	13.9	12.6	11.4	10.1	8.9	8.9	7.6	6.2	5.0	5.0	3.8
80°	8.9	7.6	7.6	6.2	6.2	6.2	5.0	3.8	3.8	3.8	2.5
82.5°	6.2	5.0	5.0	3.8	3.8	3.8	3.8	2.5	2.5	2.5	1.2
85°	3.8	2.5	2.5	2.5	2.5	2.5	2.5	1.2	1.2	1.2	1.2
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	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°	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5
2.5°	1075.6	1087.0	1087.0	1097.1	1098.4	1095.9	1084.5	1084.5	1099.6	1108.5	1093.2
5°	1085.8	1097.1	1097.1	1107.2	1112.2	1108.5	1097.1	1098.4	1113.5	1123.6	1108.5
7.5°	1094.6	1105.9	1108.5	1119.9	1123.6	1119.9	1108.5	1111.0	1127.4	1136.2	1121.1
10°	1098.4	1109.8	1111.0	1123.6	1128.6	1123.6	1114.8	1116.0	1133.8	1140.0	1126.1
12.5°	1107.2	1118.5	1118.5	1132.5	1137.5	1133.8	1122.4	1124.9	1142.5	1148.9	1135.0
15°	1116.0	1127.4	1127.4	1142.5	1148.9	1143.8	1135.0	1136.2	1153.9	1160.2	1148.9
17.5°	1116.0	1126.1	1126.1	1142.5	1148.9	1145.1	1135.0	1136.2	1155.1	1160.2	1148.9
20°	1099.6	1111.0	1108.5	1124.9	1131.1	1127.4	1118.5	1118.5	1137.5	1142.5	1131.1
22.5°	1073.1	1083.2	1080.6	1095.9	1103.4	1098.4	1090.8	1089.5	1108.5	1113.5	1102.1
25°	1036.5	1046.6	1044.1	1059.2	1066.8	1060.5	1051.6	1052.9	1068.0	1075.6	1065.5
27.5°	993.6	999.9	996.1	1011.2	1018.9	1012.5	1003.6	1004.9	1020.1	1025.1	1017.5
30°	935.5	940.5	936.8	949.4	954.4	950.6	943.1	943.1	957.0	963.2	955.8
32.5°	866.0	869.9	866.0	876.1	886.2	878.6	871.1	871.1	886.2	891.2	882.5
35°	785.2	789.0	786.5	796.6	804.2	794.1	787.8	785.2	805.5	802.9	797.9
37.5°	695.6	698.1	690.6	708.2	712.0	700.6	695.6	693.1	710.8	709.5	704.5
40°	594.6	597.1	592.1	604.8	606.0	597.1	593.4	589.6	607.2	606.0	602.2
42.5°	487.4	488.6	482.2	492.4	494.9	486.0	484.8	479.8	496.1	493.6	492.4
45°	376.2	376.2	371.1	378.8	381.2	373.8	371.1	369.9	381.2	381.2	378.8
47.5°	272.8	268.9	262.6	274.0	275.2	270.1	268.9	265.1	276.5	276.5	274.0
50°	186.9	185.6	184.4	186.9	188.1	181.8	185.6	181.8	188.1	188.1	188.1
52.5°	125.0	123.8	121.2	123.8	123.8	119.9	119.9	118.6	123.8	123.8	121.2
55°	78.2	77.0	75.8	77.0	77.0	73.2	75.8	73.2	75.8	75.8	74.5
57.5°	48.0	45.5	45.5	44.1	44.1	41.6	42.9	42.9	42.9	42.9	42.9
60°	27.8	26.5	25.2	25.2	25.2	24.0	24.0	24.0	24.0	24.0	24.0
62.5°	17.6	17.6	16.4	16.4	16.4	16.4	16.4	15.1	16.4	16.4	16.4
65°	15.1	13.9	13.9	13.9	13.9	12.6	12.6	12.6	12.6	12.6	12.6
67.5°	12.6	11.4	11.4	11.4	11.4	10.1	10.1	10.1	10.1	10.1	10.1
70°	10.1	8.9	8.9	8.9	8.9	8.9	7.6	8.9	8.9	7.6	7.6
72.5°	7.6	7.6	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
75°	5.0	5.0	5.0	5.0	5.0	3.8	3.8	3.8	3.8	3.8	3.8
77.5°	3.8	3.8	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
80°	2.5	2.5	2.5	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	1.2	1.2	1.2	1.2	1.2	0.0	1.2	0.0	1.2	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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CATALOG NUMBER: LE_6B15D010 EC6B10208050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5
2.5°	1111.0	1098.4	1092.0	1104.6	1109.8	1103.4	1098.4	1089.5	1098.4	1103.4	1109.8
5°	1126.1	1114.8	1109.8	1118.5	1126.1	1119.9	1116.0	1107.2	1116.0	1119.9	1126.1
7.5°	1140.0	1128.6	1122.4	1131.1	1140.0	1131.1	1127.4	1119.9	1127.4	1131.1	1140.0
10°	1145.1	1132.5	1127.4	1135.0	1143.8	1135.0	1129.9	1124.9	1129.9	1135.0	1143.8
12.5°	1153.9	1141.2	1135.0	1141.2	1150.1	1141.2	1136.2	1132.5	1136.2	1141.2	1150.1
15°	1166.5	1155.1	1147.6	1153.9	1165.2	1155.1	1148.9	1147.6	1148.9	1155.1	1165.2
17.5°	1166.5	1157.8	1150.1	1155.1	1166.5	1159.0	1150.1	1152.6	1150.1	1159.0	1166.5
20°	1150.1	1141.2	1135.0	1135.0	1151.4	1141.2	1133.8	1137.5	1133.8	1141.2	1151.4
22.5°	1121.1	1113.5	1107.2	1105.9	1122.4	1113.5	1103.4	1111.0	1103.4	1113.5	1122.4
25°	1083.2	1075.6	1070.6	1068.0	1084.5	1074.4	1065.5	1073.1	1065.5	1074.4	1084.5
27.5°	1034.0	1027.6	1022.6	1018.9	1034.0	1025.1	1016.2	1023.9	1016.2	1025.1	1034.0
30°	970.9	967.0	962.0	957.0	972.1	963.2	954.4	964.5	954.4	963.2	972.1
32.5°	897.6	895.1	888.8	883.8	898.9	888.8	882.5	890.0	882.5	888.8	898.9
35°	813.0	809.2	805.5	796.6	813.0	804.2	804.2	806.8	804.2	804.2	813.0
37.5°	718.4	715.9	710.8	703.2	717.1	710.8	708.2	715.9	708.2	710.8	717.1
40°	612.2	611.0	607.2	598.4	613.6	607.2	603.5	613.6	603.5	607.2	613.6
42.5°	501.2	498.6	494.9	493.6	501.2	496.1	500.0	500.0	500.0	496.1	501.2
45°	386.4	383.8	381.2	376.2	385.0	382.5	381.2	383.8	381.2	382.5	385.0
47.5°	280.2	277.8	275.2	271.4	280.2	276.5	276.5	279.0	276.5	276.5	280.2
50°	188.1	189.4	188.1	185.6	188.1	186.9	188.1	190.6	188.1	186.9	188.1
52.5°	125.0	125.0	122.5	121.2	123.8	122.5	126.2	123.8	126.2	122.5	123.8
55°	75.8	77.0	75.8	74.5	75.8	74.5	78.2	77.0	78.2	74.5	75.8
57.5°	42.9	42.9	44.1	42.9	45.5	44.1	44.1	44.1	44.1	44.1	45.5
60°	24.0	24.0	24.0	24.0	24.0	24.0	25.2	24.0	25.2	24.0	24.0
62.5°	16.4	16.4	16.4	15.1	16.4	15.1	16.4	16.4	16.4	15.1	16.4
65°	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
67.5°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
70°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
72.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
75°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
77.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	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: P212787

CATALOG NUMBER: LE_6B15D010 EC6B10208050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5
2.5°	1104.6	1092.0	1098.4	1111.0	1093.2	1108.5	1099.6	1084.5	1084.5	1095.9	1098.4
5°	1118.5	1109.8	1114.8	1126.1	1108.5	1123.6	1113.5	1098.4	1097.1	1108.5	1112.2
7.5°	1131.1	1122.4	1128.6	1140.0	1121.1	1136.2	1127.4	1111.0	1108.5	1119.9	1123.6
10°	1135.0	1127.4	1132.5	1145.1	1126.1	1140.0	1133.8	1116.0	1114.8	1123.6	1128.6
12.5°	1141.2	1135.0	1141.2	1153.9	1135.0	1148.9	1142.5	1124.9	1122.4	1133.8	1137.5
15°	1153.9	1147.6	1155.1	1166.5	1148.9	1160.2	1153.9	1136.2	1135.0	1143.8	1148.9
17.5°	1155.1	1150.1	1157.8	1166.5	1148.9	1160.2	1155.1	1136.2	1135.0	1145.1	1148.9
20°	1135.0	1135.0	1141.2	1150.1	1131.1	1142.5	1137.5	1118.5	1118.5	1127.4	1131.1
22.5°	1105.9	1107.2	1113.5	1121.1	1102.1	1113.5	1108.5	1089.5	1090.8	1098.4	1103.4
25°	1068.0	1070.6	1075.6	1083.2	1065.5	1075.6	1068.0	1052.9	1051.6	1060.5	1066.8
27.5°	1018.9	1022.6	1027.6	1034.0	1017.5	1025.1	1020.1	1004.9	1003.6	1012.5	1018.9
30°	957.0	962.0	967.0	970.9	955.8	963.2	957.0	943.1	943.1	950.6	954.4
32.5°	883.8	888.8	895.1	897.6	882.5	891.2	886.2	871.1	871.1	878.6	886.2
35°	796.6	805.5	809.2	813.0	797.9	802.9	805.5	785.2	787.8	794.1	804.2
37.5°	703.2	710.8	715.9	718.4	704.5	709.5	710.8	693.1	695.6	700.6	712.0
40°	598.4	607.2	611.0	612.2	602.2	606.0	607.2	589.6	593.4	597.1	606.0
42.5°	493.6	494.9	498.6	501.2	492.4	493.6	496.1	479.8	484.8	486.0	494.9
45°	376.2	381.2	383.8	386.4	378.8	381.2	381.2	369.9	371.1	373.8	381.2
47.5°	271.4	275.2	277.8	280.2	274.0	276.5	276.5	265.1	268.9	270.1	275.2
50°	185.6	188.1	189.4	188.1	188.1	188.1	188.1	181.8	185.6	181.8	188.1
52.5°	121.2	122.5	125.0	125.0	121.2	123.8	123.8	118.6	119.9	119.9	123.8
55°	74.5	75.8	77.0	75.8	74.5	75.8	75.8	73.2	75.8	73.2	77.0
57.5°	42.9	44.1	42.9	42.9	42.9	42.9	42.9	42.9	42.9	41.6	44.1
60°	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	25.2
62.5°	15.1	16.4	16.4	16.4	16.4	16.4	16.4	15.1	16.4	16.4	16.4
65°	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	13.9
67.5°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	11.4
70°	7.6	7.6	7.6	7.6	7.6	7.6	8.9	8.9	7.6	8.9	8.9
72.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
75°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.0
77.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	1.2	0.0	1.2
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: P212787

CATALOG NUMBER: LE_6B15D010 EC6B10208050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5
2.5°	1097.1	1087.0	1087.0	1075.6	1085.8	1087.0	1074.4	1070.6	1084.5	1069.4	1076.9
5°	1107.2	1097.1	1097.1	1085.8	1093.2	1093.2	1080.6	1074.4	1088.2	1073.1	1079.4
7.5°	1119.9	1108.5	1105.9	1094.6	1100.9	1102.1	1087.0	1078.1	1092.0	1074.4	1080.6
10°	1123.6	1111.0	1109.8	1098.4	1103.4	1104.6	1087.0	1079.4	1090.8	1071.9	1075.6
12.5°	1132.5	1118.5	1118.5	1107.2	1111.0	1111.0	1093.2	1083.2	1093.2	1074.4	1076.9
15°	1142.5	1127.4	1127.4	1116.0	1118.5	1119.9	1098.4	1088.2	1097.1	1076.9	1079.4
17.5°	1142.5	1126.1	1126.1	1116.0	1117.2	1116.0	1095.9	1084.5	1090.8	1069.4	1070.6
20°	1124.9	1108.5	1111.0	1099.6	1100.9	1099.6	1078.1	1066.8	1073.1	1050.4	1052.9
22.5°	1095.9	1080.6	1083.2	1073.1	1073.1	1071.9	1051.6	1040.2	1046.6	1023.9	1025.1
25°	1059.2	1044.1	1046.6	1036.5	1037.8	1037.8	1017.5	1004.9	1011.2	991.0	991.0
27.5°	1011.2	996.1	999.9	993.6	989.8	991.0	973.4	960.8	967.0	948.1	948.1
30°	949.4	936.8	940.5	935.5	931.8	931.8	916.5	903.9	910.2	893.9	892.6
32.5°	876.1	866.0	869.9	866.0	862.2	866.0	849.6	837.0	843.4	830.8	832.0
35°	796.6	786.5	789.0	785.2	782.8	785.2	768.9	760.0	766.4	753.8	758.8
37.5°	708.2	690.6	698.1	695.6	693.1	694.4	679.2	672.9	680.5	672.9	676.6
40°	604.8	592.1	597.1	594.6	592.1	598.4	587.0	578.2	584.5	579.5	587.0
42.5°	492.4	482.2	488.6	487.4	483.5	491.1	482.2	476.0	486.0	483.5	489.9
45°	378.8	371.1	376.2	376.2	375.0	381.2	372.4	373.8	383.8	387.6	395.1
47.5°	274.0	262.6	268.9	272.8	272.8	279.0	274.0	279.0	290.4	298.0	304.2
50°	186.9	184.4	185.6	186.9	189.4	194.4	193.1	200.8	208.2	220.9	228.5
52.5°	123.8	121.2	123.8	125.0	127.5	132.5	132.5	141.4	150.2	161.6	170.4
55°	77.0	75.8	77.0	78.2	80.8	85.9	87.1	96.0	104.8	116.1	123.8
57.5°	44.1	45.5	45.5	48.0	49.2	53.0	56.8	61.9	72.0	83.4	90.9
60°	25.2	25.2	26.5	27.8	29.0	32.9	35.4	40.4	48.0	59.4	64.4
62.5°	16.4	16.4	17.6	17.6	18.9	21.5	24.0	29.0	35.4	44.1	49.2
65°	13.9	13.9	13.9	15.1	15.1	17.6	20.2	24.0	29.0	35.4	40.4
67.5°	11.4	11.4	11.4	12.6	12.6	13.9	16.4	18.9	22.8	27.8	31.5
70°	8.9	8.9	8.9	10.1	10.1	11.4	12.6	13.9	17.6	21.5	24.0
72.5°	6.2	6.2	7.6	7.6	7.6	8.9	10.1	11.4	13.9	16.4	17.6
75°	5.0	5.0	5.0	5.0	6.2	6.2	7.6	8.9	10.1	11.4	12.6
77.5°	2.5	2.5	3.8	3.8	3.8	5.0	5.0	6.2	7.6	8.9	8.9
80°	2.5	2.5	2.5	2.5	2.5	3.8	3.8	3.8	5.0	6.2	6.2
82.5°	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5	3.8	3.8	3.8
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
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: P212787

CATALOG NUMBER: LE_6B15D010 EC6B10208050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5	1084.5
2.5°	1068.0	1071.9	1071.9	1068.0	1058.0	1066.8	1075.6	1066.8	1078.1	1058.0	1058.0
5°	1068.0	1070.6	1069.4	1064.2	1054.1	1061.8	1068.0	1059.2	1068.0	1049.1	1047.9
7.5°	1070.6	1068.0	1065.5	1059.2	1046.6	1051.6	1058.0	1047.9	1056.8	1036.5	1034.0
10°	1065.5	1061.8	1056.8	1047.9	1034.0	1037.8	1041.5	1032.8	1039.0	1018.9	1017.5
12.5°	1065.5	1059.2	1051.6	1041.5	1026.4	1028.9	1032.8	1021.4	1026.4	1007.5	1004.9
15°	1068.0	1056.8	1047.9	1036.5	1020.1	1021.4	1023.9	1011.2	1016.2	996.1	994.9
17.5°	1059.2	1046.6	1037.8	1023.9	1006.2	1007.5	1007.5	994.9	998.6	978.4	977.1
20°	1040.2	1025.1	1015.0	1002.4	983.5	983.5	983.5	970.9	973.4	955.8	953.1
22.5°	1013.8	997.4	987.2	974.6	957.0	955.8	954.4	944.4	944.4	927.9	924.1
25°	978.4	963.2	953.1	941.8	924.1	921.6	921.6	912.8	911.5	896.4	893.9
27.5°	938.0	920.4	911.5	901.4	885.0	882.5	881.2	876.1	873.6	857.2	856.0
30°	883.8	868.6	861.0	852.1	837.0	834.5	833.2	828.1	826.9	810.5	810.5
32.5°	825.6	806.8	801.6	792.9	781.5	780.2	781.5	775.1	770.1	758.8	756.2
35°	756.2	737.2	733.5	729.8	720.9	718.4	717.1	715.9	709.5	701.9	698.1
37.5°	675.4	659.0	659.0	657.8	651.4	651.4	651.4	648.9	642.6	640.1	632.5
40°	588.4	575.8	577.0	578.2	575.8	577.0	578.2	575.8	570.6	568.1	561.8
42.5°	494.9	488.6	493.6	497.4	497.4	501.2	503.8	503.8	497.4	496.1	491.1
45°	401.5	400.2	410.2	417.9	420.4	426.8	430.5	428.0	428.0	428.0	422.9
47.5°	314.4	319.4	328.2	343.4	348.5	356.0	358.5	362.4	361.1	362.4	358.5
50°	238.6	250.0	261.4	276.5	284.0	292.9	296.6	301.8	301.8	303.0	300.5
52.5°	180.5	189.4	208.2	218.4	227.2	236.1	241.1	246.1	247.5	247.5	244.9
55°	133.9	146.5	159.1	173.0	180.5	189.4	193.1	198.2	198.2	200.8	198.2
57.5°	97.2	109.9	123.8	133.9	142.6	149.0	152.8	156.5	159.1	159.1	157.8
60°	72.0	82.0	93.4	103.5	111.1	117.4	119.9	123.8	125.0	125.0	122.5
62.5°	54.2	64.4	74.5	83.4	88.4	93.4	96.0	98.5	98.5	98.5	97.2
65°	44.1	51.8	59.4	66.9	72.0	75.8	77.0	79.5	78.2	79.5	78.2
67.5°	35.4	40.4	46.8	51.8	55.5	58.1	59.4	61.9	60.6	61.9	60.6
70°	26.5	31.5	35.4	39.1	41.6	44.1	45.5	46.8	45.5	46.8	45.5
72.5°	20.2	22.8	26.5	30.2	31.5	32.9	34.1	34.1	34.1	35.4	34.1
75°	13.9	16.4	18.9	20.2	22.8	24.0	24.0	25.2	25.2	25.2	25.2
77.5°	10.1	11.4	12.6	13.9	15.1	16.4	16.4	17.6	17.6	17.6	17.6
80°	6.2	7.6	7.6	8.9	10.1	10.1	11.4	11.4	11.4	11.4	11.4
82.5°	3.8	5.0	5.0	6.2	6.2	6.2	7.6	7.6	7.6	7.6	7.6
85°	2.5	2.5	2.5	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5	1.2	1.2
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: P212787

CATALOG NUMBER: LE_6B15D010 EC6B10208050 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1084.5	1084.5	1084.5	1084.5
2.5°	1068.0	1061.8	1071.9	1056.8
5°	1056.8	1050.4	1063.0	1044.1
7.5°	1042.8	1036.5	1047.9	1028.9
10°	1025.1	1018.9	1028.9	1008.8
12.5°	1010.0	1003.6	1015.0	996.1
15°	998.6	992.2	1002.4	984.8
17.5°	981.0	973.4	984.8	965.8
20°	955.8	950.6	959.5	940.5
22.5°	926.6	921.6	931.8	912.8
25°	896.4	890.0	900.1	881.2
27.5°	857.2	852.1	862.2	843.4
30°	810.5	805.5	815.5	797.9
32.5°	757.5	752.4	760.0	744.9
35°	696.9	693.1	700.6	684.2
37.5°	631.2	627.5	635.0	618.6
40°	560.5	556.8	563.1	555.5
42.5°	491.1	487.4	493.6	487.4
45°	422.9	420.4	426.8	420.4
47.5°	359.8	357.2	363.6	357.2
50°	299.2	300.5	303.0	300.5
52.5°	244.9	244.9	248.8	244.9
55°	198.2	199.5	200.8	198.2
57.5°	157.8	157.8	159.1	157.8
60°	122.5	123.8	123.8	122.5
62.5°	97.2	97.2	97.2	97.2
65°	77.0	77.0	78.2	77.0
67.5°	60.6	59.4	60.6	59.4
70°	45.5	45.5	45.5	45.5
72.5°	35.4	35.4	34.1	34.1
75°	25.2	26.5	25.2	25.2
77.5°	17.6	17.6	17.6	17.6
80°	11.4	11.4	11.4	11.4
82.5°	7.6	7.6	7.6	7.6
85°	5.0	3.8	3.8	3.8
87.5°	2.5	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)