

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: P212849

Luminaire Tested: **LE_6B60D010R EC6B60708030 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212849
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_6B60D010R EC6B60708030 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7133.1 lumens
Efficiency: N/A
Efficacy: 114.1 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

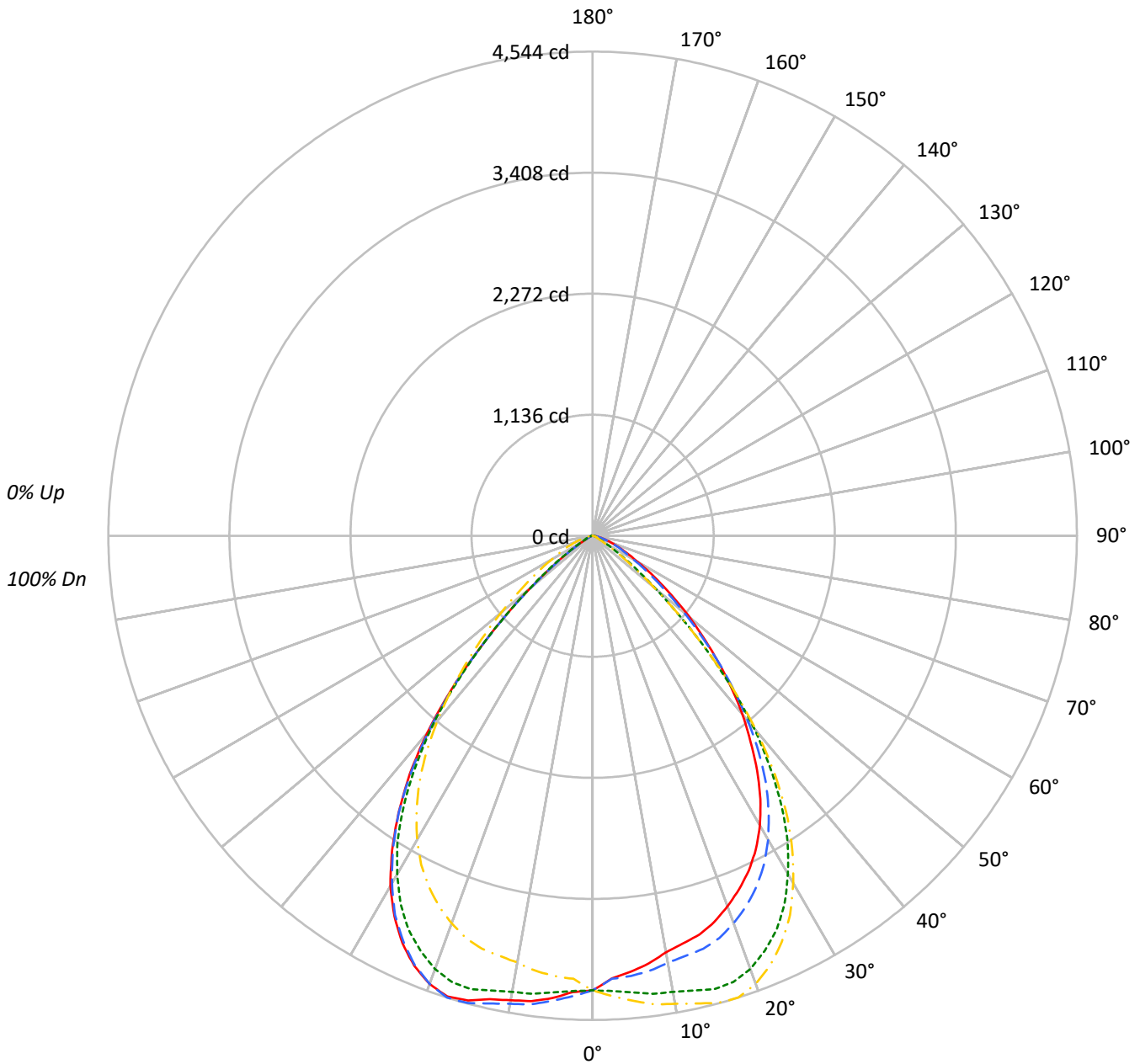
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P212849

CATALOG NUMBER: LE_6B60D010R EC6B60708030 6LBSWL11

Luminous Intensity Polar Plot





TEST NUMBER: P212849

CATALOG NUMBER: LE_6B60D010R EC6B60708030 6LBSWL11

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	233885	233885	233885	233885
5°	226028	236688	239698	236688
10°	220904	241913	246333	241913
15°	219865	250024	256222	250024
20°	215858	252366	261059	252366
25°	209698	246946	255353	246946
30°	198695	232023	240195	232023
35°	180150	206739	212387	206739
40°	156393	168466	172738	168466
45°	128223	116283	117059	116283
50°	100807	65235	63964	65235
55°	74530	32286	28960	32286
60°	52825	14155	10350	14155
65°	39304	9015	6434	9015
70°	28659	7181	4776	7181
75°	21054	5274	3156	5274
80°	14143	4704	1578	4704
85°	9372	3145	3145	3145



TEST NUMBER: P212849

CATALOG NUMBER: LE_6B60D010R EC6B60708030 6LBSWL11

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	408.4	5.7
10°-20°	1209.6	17.0
20°-30°	1805.2	25.3
30°-40°	1854.6	26.0
40°-50°	1201.0	16.8
50°-60°	446.6	6.3
60°-70°	146.5	2.1
70°-80°	51.7	0.7
80°-90°	9.3	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°	3423.2	48.0
0°-40°	5277.9	74.0
0°-60°	6925.5	97.1
0°-90°	7133.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7133.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4266	4266	4266	4266	4266	
5°	4107	4301	4356	4301	4107	388
15°	3874	4405	4515	4405	3874	1090
25°	3467	4083	4222	4083	3467	1589
35°	2692	3089	3174	3089	2692	1671
45°	1654	1500	1510	1500	1654	1279
55°	780	338	303	338	780	711
65°	303	70	50	70	303	308
75°	99	25	15	25	99	109
85°	15	5	5	5	15	20
90°	0	0	0	0	0	



TEST NUMBER: P212849

CATALOG NUMBER: LE_6B60D010R EC6B60708030 6LBSWL11

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4
2.5°	4157.1	4216.6	4176.9	4201.8	4162.0	4162.0	4241.5	4196.8	4231.6	4196.8	4162.0
5°	4107.4	4181.9	4132.2	4157.1	4122.2	4127.2	4201.8	4167.0	4201.8	4176.9	4147.1
7.5°	4047.8	4122.2	4077.6	4102.4	4067.6	4077.6	4157.1	4122.2	4162.0	4137.2	4117.4
10°	3968.4	4047.8	4008.1	4032.9	4003.1	4008.1	4087.5	4062.8	4097.5	4082.6	4067.6
12.5°	3918.6	3993.1	3948.5	3973.2	3953.4	3963.4	4037.9	4018.0	4062.8	4047.8	4037.9
15°	3874.0	3943.5	3903.8	3928.6	3913.8	3918.6	3998.1	3978.2	4027.9	4018.0	4013.0
17.5°	3799.5	3874.0	3829.2	3859.1	3844.1	3849.1	3928.6	3913.8	3963.4	3963.4	3958.4
20°	3700.1	3774.6	3739.9	3759.8	3749.8	3759.8	3829.2	3819.4	3869.0	3869.0	3869.0
22.5°	3590.9	3665.4	3625.6	3645.5	3635.6	3650.5	3715.0	3715.0	3754.8	3759.8	3764.8
25°	3466.8	3541.2	3501.5	3526.2	3516.4	3526.2	3585.9	3590.9	3625.6	3625.6	3635.6
27.5°	3317.8	3392.2	3352.5	3372.4	3367.4	3372.4	3436.9	3446.9	3466.8	3471.6	3481.6
30°	3138.9	3208.5	3168.8	3188.6	3188.6	3188.6	3253.1	3258.1	3278.0	3283.0	3292.9
32.5°	2930.2	2989.9	2960.1	2980.0	2975.0	2985.0	3029.6	3049.5	3074.4	3069.4	3074.4
35°	2691.9	2756.5	2726.6	2741.6	2746.5	2761.5	2791.2	2816.1	2821.0	2826.0	2836.0
37.5°	2433.6	2498.2	2468.4	2483.2	2488.2	2518.1	2528.0	2552.9	2562.8	2562.8	2562.8
40°	2185.4	2215.1	2190.2	2205.1	2210.1	2235.0	2244.9	2264.8	2274.8	2269.8	2264.8
42.5°	1917.1	1942.0	1917.1	1932.0	1932.0	1951.9	1956.9	1981.6	1981.6	1971.8	1956.9
45°	1653.9	1678.8	1653.9	1663.9	1663.9	1683.6	1683.6	1683.6	1693.6	1678.8	1653.9
47.5°	1405.5	1430.4	1405.5	1415.5	1410.5	1425.4	1420.5	1425.4	1410.5	1400.6	1370.8
50°	1182.0	1192.0	1182.0	1177.1	1182.0	1192.0	1187.0	1187.0	1167.1	1152.2	1117.5
52.5°	963.5	978.4	963.5	963.5	963.5	973.5	973.5	968.5	948.6	928.8	894.0
55°	779.8	789.8	784.8	779.8	779.8	789.8	779.8	779.8	759.9	745.0	710.2
57.5°	620.9	625.8	620.9	620.9	620.9	625.8	625.8	615.9	601.0	586.0	561.2
60°	481.8	486.8	486.8	481.8	481.8	491.8	491.8	486.8	471.9	461.9	437.1
62.5°	382.4	382.4	382.4	382.4	382.4	387.4	387.4	387.4	377.5	367.5	347.6
65°	303.0	307.9	303.0	303.0	307.9	312.9	307.9	312.9	303.0	298.0	283.1
67.5°	233.4	238.4	233.4	238.4	238.4	243.4	238.4	243.4	233.4	228.5	218.5
70°	178.8	178.8	178.8	178.8	178.8	183.8	178.8	183.8	178.8	173.9	163.9
72.5°	134.1	134.1	139.1	139.1	134.1	139.1	134.1	134.1	134.1	129.1	124.1
75°	99.4	99.4	104.2	99.4	99.4	99.4	99.4	99.4	94.4	94.4	89.4
77.5°	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	64.6	64.6	59.6
80°	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	39.8	39.8
82.5°	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	24.9	24.9
85°	14.9	14.9	14.9	19.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
87.5°	5.0	5.0	5.0	9.9	5.0	5.0	9.9	9.9	5.0	5.0	5.0
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: P212849

CATALOG NUMBER: LE_6B60D010R EC6B60708030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4
2.5°	4201.8	4216.6	4216.6	4201.8	4236.5	4206.8	4266.4	4211.8	4226.6	4276.2	4271.2
5°	4186.9	4206.8	4211.8	4201.8	4246.5	4221.6	4281.2	4226.6	4251.4	4301.1	4301.1
7.5°	4167.0	4191.9	4201.8	4211.8	4251.4	4226.6	4296.1	4241.5	4276.2	4335.9	4330.9
10°	4122.2	4157.1	4176.9	4191.9	4231.6	4216.6	4291.1	4246.5	4276.2	4345.8	4340.9
12.5°	4097.5	4137.2	4167.0	4191.9	4236.5	4226.6	4301.1	4261.4	4301.1	4370.6	4370.6
15°	4077.6	4122.2	4157.1	4201.8	4246.5	4236.5	4316.0	4281.2	4321.0	4405.4	4400.4
17.5°	4027.9	4082.6	4117.4	4167.0	4211.8	4206.8	4291.1	4266.4	4311.0	4390.5	4395.5
20°	3943.5	3993.1	4032.9	4092.5	4142.1	4132.2	4221.6	4196.8	4241.5	4325.9	4330.9
22.5°	3834.2	3883.9	3923.6	3988.2	4032.9	4027.9	4117.4	4092.5	4137.2	4216.6	4221.6
25°	3705.1	3749.8	3789.5	3849.1	3898.8	3898.8	3978.2	3953.4	4003.1	4082.6	4082.6
27.5°	3546.1	3585.9	3620.6	3690.2	3729.9	3729.9	3804.4	3779.6	3829.2	3898.8	3893.9
30°	3352.5	3387.2	3417.0	3476.6	3511.4	3516.4	3580.9	3556.1	3605.8	3665.4	3665.4
32.5°	3119.0	3153.8	3173.6	3248.1	3273.0	3268.0	3317.8	3292.9	3342.5	3407.1	3392.2
35°	2870.8	2885.6	2900.5	2975.0	2985.0	2965.1	3014.8	2989.9	3024.6	3089.2	3079.2
37.5°	2587.6	2592.6	2592.6	2657.1	2662.1	2647.2	2677.0	2647.2	2672.0	2731.6	2726.6
40°	2274.8	2269.8	2264.8	2314.5	2309.5	2279.6	2299.5	2274.8	2309.5	2354.1	2329.4
42.5°	1956.9	1942.0	1922.1	1946.9	1927.0	1902.2	1912.1	1872.4	1897.2	1932.0	1902.2
45°	1644.0	1614.1	1574.4	1579.4	1554.5	1524.8	1509.9	1470.1	1465.1	1499.9	1475.1
47.5°	1350.9	1291.4	1256.5	1236.8	1197.0	1172.1	1142.4	1097.6	1077.8	1097.6	1072.8
50°	1087.8	1028.1	983.4	938.8	899.0	869.1	819.5	789.8	759.9	764.9	745.0
52.5°	859.2	819.5	745.0	710.2	670.5	635.8	591.0	556.2	521.5	521.5	501.6
55°	680.4	625.8	576.1	526.5	486.8	456.9	412.2	377.5	342.8	337.8	317.9
57.5°	526.5	486.8	432.1	382.4	357.6	327.8	283.1	243.4	223.5	208.6	193.8
60°	407.2	367.5	322.9	283.1	253.2	233.4	188.8	158.9	139.1	129.1	114.2
62.5°	327.8	293.0	253.2	213.6	193.8	173.9	139.1	114.2	94.4	84.4	74.5
65°	263.2	233.4	203.6	173.9	158.9	139.1	114.2	94.4	79.5	69.5	59.6
67.5°	203.6	183.8	158.9	139.1	124.1	109.2	89.4	74.5	64.6	54.6	49.6
70°	154.0	139.1	124.1	104.2	94.4	84.4	69.5	54.6	49.6	44.8	39.8
72.5°	119.2	104.2	89.4	79.5	69.5	64.6	54.6	44.8	39.8	34.8	29.8
75°	79.5	74.5	64.6	54.6	49.6	44.8	39.8	34.8	29.8	24.9	24.9
77.5°	54.6	49.6	44.8	39.8	34.8	34.8	29.8	24.9	19.9	19.9	14.9
80°	34.8	29.8	29.8	24.9	24.9	24.9	19.9	14.9	14.9	14.9	9.9
82.5°	24.9	19.9	19.9	14.9	14.9	14.9	14.9	9.9	9.9	9.9	5.0
85°	14.9	9.9	9.9	9.9	9.9	9.9	9.9	5.0	5.0	5.0	5.0
87.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	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: P212849

CATALOG NUMBER: LE_6B60D010R EC6B60708030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4
2.5°	4231.6	4276.2	4276.2	4316.0	4321.0	4311.0	4266.4	4266.4	4325.9	4360.8	4301.1
5°	4271.2	4316.0	4316.0	4355.8	4375.6	4360.8	4316.0	4321.0	4380.5	4420.2	4360.8
7.5°	4306.1	4350.8	4360.8	4405.4	4420.2	4405.4	4360.8	4370.6	4435.2	4470.0	4410.4
10°	4321.0	4365.6	4370.6	4420.2	4440.1	4420.2	4385.5	4390.5	4460.0	4484.9	4430.2
12.5°	4355.8	4400.4	4400.4	4455.0	4474.9	4460.0	4415.4	4425.2	4494.8	4519.6	4465.0
15°	4390.5	4435.2	4435.2	4494.8	4519.6	4499.8	4465.0	4470.0	4539.5	4564.4	4519.6
17.5°	4390.5	4430.2	4430.2	4494.8	4519.6	4504.8	4465.0	4470.0	4544.5	4564.4	4519.6
20°	4325.9	4370.6	4360.8	4425.2	4450.1	4435.2	4400.4	4400.4	4474.9	4494.8	4450.1
22.5°	4221.6	4261.4	4251.4	4311.0	4340.9	4321.0	4291.1	4286.2	4360.8	4380.5	4335.9
25°	4077.6	4117.4	4107.4	4167.0	4196.8	4172.0	4137.2	4142.1	4201.8	4231.6	4191.9
27.5°	3908.8	3933.6	3918.6	3978.2	4008.1	3983.2	3948.5	3953.4	4013.0	4032.9	4003.1
30°	3680.2	3700.1	3685.2	3734.9	3754.8	3739.9	3710.1	3710.1	3764.8	3789.5	3759.8
32.5°	3407.1	3422.0	3407.1	3446.9	3486.6	3456.8	3427.0	3427.0	3486.6	3506.4	3471.6
35°	3089.2	3104.1	3094.2	3134.0	3163.8	3124.0	3099.1	3089.2	3168.8	3158.8	3138.9
37.5°	2736.6	2746.5	2716.8	2786.2	2801.1	2756.5	2736.6	2726.6	2796.2	2791.2	2771.4
40°	2339.2	2349.2	2329.4	2379.0	2384.0	2349.2	2334.4	2319.4	2389.0	2384.0	2369.1
42.5°	1917.1	1922.1	1897.2	1937.0	1946.9	1912.1	1907.1	1887.4	1951.9	1942.0	1937.0
45°	1480.0	1480.0	1460.1	1490.0	1499.9	1470.1	1460.1	1455.2	1499.9	1499.9	1490.0
47.5°	1072.8	1057.9	1033.0	1077.8	1082.8	1062.9	1057.9	1043.0	1087.8	1087.8	1077.8
50°	735.0	730.1	725.1	735.0	740.0	715.2	730.1	715.2	740.0	740.0	740.0
52.5°	491.8	486.8	476.8	486.8	486.8	471.9	471.9	466.9	486.8	486.8	476.8
55°	307.9	303.0	298.0	303.0	303.0	288.1	298.0	288.1	298.0	298.0	293.0
57.5°	188.8	178.8	178.8	173.9	173.9	163.9	168.9	168.9	168.9	168.9	168.9
60°	109.2	104.2	99.4	99.4	99.4	94.4	94.4	94.4	94.4	94.4	94.4
62.5°	69.5	69.5	64.6	64.6	64.6	64.6	64.6	59.6	64.6	64.6	64.6
65°	59.6	54.6	54.6	54.6	54.6	49.6	49.6	49.6	49.6	49.6	49.6
67.5°	49.6	44.8	44.8	44.8	44.8	39.8	39.8	39.8	39.8	39.8	39.8
70°	39.8	34.8	34.8	34.8	34.8	34.8	29.8	34.8	34.8	29.8	29.8
72.5°	29.8	29.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
75°	19.9	19.9	19.9	19.9	19.9	14.9	14.9	14.9	14.9	14.9	14.9
77.5°	14.9	14.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
80°	9.9	9.9	9.9	9.9	9.9	5.0	5.0	5.0	5.0	5.0	5.0
82.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
85°	5.0	5.0	5.0	5.0	5.0	0.0	5.0	0.0	5.0	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: P212849

CATALOG NUMBER: LE_6B60D010R EC6B60708030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4
2.5°	4370.6	4321.0	4296.1	4345.8	4365.6	4340.9	4321.0	4286.2	4321.0	4340.9	4365.6
5°	4430.2	4385.5	4365.6	4400.4	4430.2	4405.4	4390.5	4355.8	4390.5	4405.4	4430.2
7.5°	4484.9	4440.1	4415.4	4450.1	4484.9	4450.1	4435.2	4405.4	4435.2	4450.1	4484.9
10°	4504.8	4455.0	4435.2	4465.0	4499.8	4465.0	4445.1	4425.2	4445.1	4465.0	4499.8
12.5°	4539.5	4489.9	4465.0	4489.9	4524.6	4489.9	4470.0	4455.0	4470.0	4489.9	4524.6
15°	4589.1	4544.5	4514.6	4539.5	4584.2	4544.5	4519.6	4514.6	4519.6	4544.5	4584.2
17.5°	4589.1	4554.4	4524.6	4544.5	4589.1	4559.4	4524.6	4534.5	4524.6	4559.4	4589.1
20°	4524.6	4489.9	4465.0	4465.0	4529.5	4489.9	4460.0	4474.9	4460.0	4489.9	4529.5
22.5°	4410.4	4380.5	4355.8	4350.8	4415.4	4380.5	4340.9	4370.6	4340.9	4380.5	4415.4
25°	4261.4	4231.6	4211.8	4201.8	4266.4	4226.6	4191.9	4221.6	4191.9	4226.6	4266.4
27.5°	4067.6	4042.9	4023.0	4008.1	4067.6	4032.9	3998.1	4027.9	3998.1	4032.9	4067.6
30°	3819.4	3804.4	3784.6	3764.8	3824.2	3789.5	3754.8	3794.5	3754.8	3789.5	3824.2
32.5°	3531.2	3521.4	3496.5	3476.6	3536.2	3496.5	3471.6	3501.5	3471.6	3496.5	3536.2
35°	3198.5	3183.6	3168.8	3134.0	3198.5	3163.8	3163.8	3173.6	3163.8	3163.8	3198.5
37.5°	2826.0	2816.1	2796.2	2766.4	2821.0	2796.2	2786.2	2816.1	2786.2	2796.2	2821.0
40°	2408.8	2403.9	2389.0	2354.1	2413.8	2389.0	2374.0	2413.8	2374.0	2389.0	2413.8
42.5°	1971.8	1961.9	1946.9	1942.0	1971.8	1951.9	1966.8	1966.8	1966.8	1951.9	1971.8
45°	1519.8	1509.9	1499.9	1480.0	1514.9	1504.9	1499.9	1509.9	1499.9	1504.9	1514.9
47.5°	1102.6	1092.6	1082.8	1067.9	1102.6	1087.8	1087.8	1097.6	1087.8	1087.8	1102.6
50°	740.0	745.0	740.0	730.1	740.0	735.0	740.0	750.0	740.0	735.0	740.0
52.5°	491.8	491.8	481.8	476.8	486.8	481.8	496.6	486.8	496.6	481.8	486.8
55°	298.0	303.0	298.0	293.0	298.0	293.0	307.9	303.0	307.9	293.0	298.0
57.5°	168.9	168.9	173.9	168.9	178.8	173.9	173.9	173.9	173.9	173.9	178.8
60°	94.4	94.4	94.4	94.4	94.4	94.4	99.4	94.4	99.4	94.4	94.4
62.5°	64.6	64.6	64.6	59.6	64.6	59.6	64.6	64.6	64.6	59.6	64.6
65°	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
67.5°	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
70°	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
72.5°	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
75°	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
77.5°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
80°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
82.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	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: P212849

CATALOG NUMBER: LE_6B60D010R EC6B60708030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4
2.5°	4345.8	4296.1	4321.0	4370.6	4301.1	4360.8	4325.9	4266.4	4266.4	4311.0	4321.0
5°	4400.4	4365.6	4385.5	4430.2	4360.8	4420.2	4380.5	4321.0	4316.0	4360.8	4375.6
7.5°	4450.1	4415.4	4440.1	4484.9	4410.4	4470.0	4435.2	4370.6	4360.8	4405.4	4420.2
10°	4465.0	4435.2	4455.0	4504.8	4430.2	4484.9	4460.0	4390.5	4385.5	4420.2	4440.1
12.5°	4489.9	4465.0	4489.9	4539.5	4465.0	4519.6	4494.8	4425.2	4415.4	4460.0	4474.9
15°	4539.5	4514.6	4544.5	4589.1	4519.6	4564.4	4539.5	4470.0	4465.0	4499.8	4519.6
17.5°	4544.5	4524.6	4554.4	4589.1	4519.6	4564.4	4544.5	4470.0	4465.0	4504.8	4519.6
20°	4465.0	4465.0	4489.9	4524.6	4450.1	4494.8	4474.9	4400.4	4400.4	4435.2	4450.1
22.5°	4350.8	4355.8	4380.5	4410.4	4335.9	4380.5	4360.8	4286.2	4291.1	4321.0	4340.9
25°	4201.8	4211.8	4231.6	4261.4	4191.9	4231.6	4201.8	4142.1	4137.2	4172.0	4196.8
27.5°	4008.1	4023.0	4042.9	4067.6	4003.1	4032.9	4013.0	3953.4	3948.5	3983.2	4008.1
30°	3764.8	3784.6	3804.4	3819.4	3759.8	3789.5	3764.8	3710.1	3710.1	3739.9	3754.8
32.5°	3476.6	3496.5	3521.4	3531.2	3471.6	3506.4	3486.6	3427.0	3427.0	3456.8	3486.6
35°	3134.0	3168.8	3183.6	3198.5	3138.9	3158.8	3168.8	3089.2	3099.1	3124.0	3163.8
37.5°	2766.4	2796.2	2816.1	2826.0	2771.4	2791.2	2796.2	2726.6	2736.6	2756.5	2801.1
40°	2354.1	2389.0	2403.9	2408.8	2369.1	2384.0	2389.0	2319.4	2334.4	2349.2	2384.0
42.5°	1942.0	1946.9	1961.9	1971.8	1937.0	1942.0	1951.9	1887.4	1907.1	1912.1	1946.9
45°	1480.0	1499.9	1509.9	1519.8	1490.0	1499.9	1499.9	1455.2	1460.1	1470.1	1499.9
47.5°	1067.9	1082.8	1092.6	1102.6	1077.8	1087.8	1087.8	1043.0	1057.9	1062.9	1082.8
50°	730.1	740.0	745.0	740.0	740.0	740.0	740.0	715.2	730.1	715.2	740.0
52.5°	476.8	481.8	491.8	491.8	476.8	486.8	486.8	466.9	471.9	471.9	486.8
55°	293.0	298.0	303.0	298.0	293.0	298.0	298.0	288.1	298.0	288.1	303.0
57.5°	168.9	173.9	168.9	168.9	168.9	168.9	168.9	168.9	168.9	163.9	173.9
60°	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	99.4
62.5°	59.6	64.6	64.6	64.6	64.6	64.6	64.6	59.6	64.6	64.6	64.6
65°	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	54.6
67.5°	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	44.8
70°	29.8	29.8	29.8	29.8	29.8	29.8	34.8	34.8	29.8	34.8	34.8
72.5°	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
75°	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	19.9
77.5°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
80°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	9.9
82.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	5.0	0.0	5.0
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: P212849

CATALOG NUMBER: LE_6B60D010R EC6B60708030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4
2.5°	4316.0	4276.2	4276.2	4231.6	4271.2	4276.2	4226.6	4211.8	4266.4	4206.8	4236.5
5°	4355.8	4316.0	4316.0	4271.2	4301.1	4301.1	4251.4	4226.6	4281.2	4221.6	4246.5
7.5°	4405.4	4360.8	4350.8	4306.1	4330.9	4335.9	4276.2	4241.5	4296.1	4226.6	4251.4
10°	4420.2	4370.6	4365.6	4321.0	4340.9	4345.8	4276.2	4246.5	4291.1	4216.6	4231.6
12.5°	4455.0	4400.4	4400.4	4355.8	4370.6	4370.6	4301.1	4261.4	4301.1	4226.6	4236.5
15°	4494.8	4435.2	4435.2	4390.5	4400.4	4405.4	4321.0	4281.2	4316.0	4236.5	4246.5
17.5°	4494.8	4430.2	4430.2	4390.5	4395.5	4390.5	4311.0	4266.4	4291.1	4206.8	4211.8
20°	4425.2	4360.8	4370.6	4325.9	4330.9	4325.9	4241.5	4196.8	4221.6	4132.2	4142.1
22.5°	4311.0	4251.4	4261.4	4221.6	4221.6	4216.6	4137.2	4092.5	4117.4	4027.9	4032.9
25°	4167.0	4107.4	4117.4	4077.6	4082.6	4082.6	4003.1	3953.4	3978.2	3898.8	3898.8
27.5°	3978.2	3918.6	3933.6	3908.8	3893.9	3898.8	3829.2	3779.6	3804.4	3729.9	3729.9
30°	3734.9	3685.2	3700.1	3680.2	3665.4	3665.4	3605.8	3556.1	3580.9	3516.4	3511.4
32.5°	3446.9	3407.1	3422.0	3407.1	3392.2	3407.1	3342.5	3292.9	3317.8	3268.0	3273.0
35°	3134.0	3094.2	3104.1	3089.2	3079.2	3089.2	3024.6	2989.9	3014.8	2965.1	2985.0
37.5°	2786.2	2716.8	2746.5	2736.6	2726.6	2731.6	2672.0	2647.2	2677.0	2647.2	2662.1
40°	2379.0	2329.4	2349.2	2339.2	2329.4	2354.1	2309.5	2274.8	2299.5	2279.6	2309.5
42.5°	1937.0	1897.2	1922.1	1917.1	1902.2	1932.0	1897.2	1872.4	1912.1	1902.2	1927.0
45°	1490.0	1460.1	1480.0	1480.0	1475.1	1499.9	1465.1	1470.1	1509.9	1524.8	1554.5
47.5°	1077.8	1033.0	1057.9	1072.8	1072.8	1097.6	1077.8	1097.6	1142.4	1172.1	1197.0
50°	735.0	725.1	730.1	735.0	745.0	764.9	759.9	789.8	819.5	869.1	899.0
52.5°	486.8	476.8	486.8	491.8	501.6	521.5	521.5	556.2	591.0	635.8	670.5
55°	303.0	298.0	303.0	307.9	317.9	337.8	342.8	377.5	412.2	456.9	486.8
57.5°	173.9	178.8	178.8	188.8	193.8	208.6	223.5	243.4	283.1	327.8	357.6
60°	99.4	99.4	104.2	109.2	114.2	129.1	139.1	158.9	188.8	233.4	253.2
62.5°	64.6	64.6	69.5	69.5	74.5	84.4	94.4	114.2	139.1	173.9	193.8
65°	54.6	54.6	54.6	59.6	59.6	69.5	79.5	94.4	114.2	139.1	158.9
67.5°	44.8	44.8	44.8	49.6	49.6	54.6	64.6	74.5	89.4	109.2	124.1
70°	34.8	34.8	34.8	39.8	39.8	44.8	49.6	54.6	69.5	84.4	94.4
72.5°	24.9	24.9	29.8	29.8	29.8	34.8	39.8	44.8	54.6	64.6	69.5
75°	19.9	19.9	19.9	19.9	24.9	24.9	29.8	34.8	39.8	44.8	49.6
77.5°	9.9	9.9	14.9	14.9	14.9	19.9	19.9	24.9	29.8	34.8	34.8
80°	9.9	9.9	9.9	9.9	9.9	14.9	14.9	14.9	19.9	24.9	24.9
82.5°	5.0	5.0	5.0	5.0	5.0	9.9	9.9	9.9	14.9	14.9	14.9
85°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	9.9	9.9	9.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.0	5.0	5.0	5.0	5.0
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: P212849

CATALOG NUMBER: LE_6B60D010R EC6B60708030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4	4266.4
2.5°	4201.8	4216.6	4216.6	4201.8	4162.0	4196.8	4231.6	4196.8	4241.5	4162.0	4162.0
5°	4201.8	4211.8	4206.8	4186.9	4147.1	4176.9	4201.8	4167.0	4201.8	4127.2	4122.2
7.5°	4211.8	4201.8	4191.9	4167.0	4117.4	4137.2	4162.0	4122.2	4157.1	4077.6	4067.6
10°	4191.9	4176.9	4157.1	4122.2	4067.6	4082.6	4097.5	4062.8	4087.5	4008.1	4003.1
12.5°	4191.9	4167.0	4137.2	4097.5	4037.9	4047.8	4062.8	4018.0	4037.9	3963.4	3953.4
15°	4201.8	4157.1	4122.2	4077.6	4013.0	4018.0	4027.9	3978.2	3998.1	3918.6	3913.8
17.5°	4167.0	4117.4	4082.6	4027.9	3958.4	3963.4	3963.4	3913.8	3928.6	3849.1	3844.1
20°	4092.5	4032.9	3993.1	3943.5	3869.0	3869.0	3869.0	3819.4	3829.2	3759.8	3749.8
22.5°	3988.2	3923.6	3883.9	3834.2	3764.8	3759.8	3754.8	3715.0	3715.0	3650.5	3635.6
25°	3849.1	3789.5	3749.8	3705.1	3635.6	3625.6	3625.6	3590.9	3585.9	3526.2	3516.4
27.5°	3690.2	3620.6	3585.9	3546.1	3481.6	3471.6	3466.8	3446.9	3436.9	3372.4	3367.4
30°	3476.6	3417.0	3387.2	3352.5	3292.9	3283.0	3278.0	3258.1	3253.1	3188.6	3188.6
32.5°	3248.1	3173.6	3153.8	3119.0	3074.4	3069.4	3074.4	3049.5	3029.6	2985.0	2975.0
35°	2975.0	2900.5	2885.6	2870.8	2836.0	2826.0	2821.0	2816.1	2791.2	2761.5	2746.5
37.5°	2657.1	2592.6	2592.6	2587.6	2562.8	2562.8	2562.8	2552.9	2528.0	2518.1	2488.2
40°	2314.5	2264.8	2269.8	2274.8	2264.8	2269.8	2274.8	2264.8	2244.9	2235.0	2210.1
42.5°	1946.9	1922.1	1942.0	1956.9	1956.9	1971.8	1981.6	1981.6	1956.9	1951.9	1932.0
45°	1579.4	1574.4	1614.1	1644.0	1653.9	1678.8	1693.6	1683.6	1683.6	1683.6	1663.9
47.5°	1236.8	1256.5	1291.4	1350.9	1370.8	1400.6	1410.5	1425.4	1420.5	1425.4	1410.5
50°	938.8	983.4	1028.1	1087.8	1117.5	1152.2	1167.1	1187.0	1187.0	1192.0	1182.0
52.5°	710.2	745.0	819.5	859.2	894.0	928.8	948.6	968.5	973.5	973.5	963.5
55°	526.5	576.1	625.8	680.4	710.2	745.0	759.9	779.8	779.8	789.8	779.8
57.5°	382.4	432.1	486.8	526.5	561.2	586.0	601.0	615.9	625.8	625.8	620.9
60°	283.1	322.9	367.5	407.2	437.1	461.9	471.9	486.8	491.8	491.8	481.8
62.5°	213.6	253.2	293.0	327.8	347.6	367.5	377.5	387.4	387.4	387.4	382.4
65°	173.9	203.6	233.4	263.2	283.1	298.0	303.0	312.9	307.9	312.9	307.9
67.5°	139.1	158.9	183.8	203.6	218.5	228.5	233.4	243.4	238.4	243.4	238.4
70°	104.2	124.1	139.1	154.0	163.9	173.9	178.8	183.8	178.8	183.8	178.8
72.5°	79.5	89.4	104.2	119.2	124.1	129.1	134.1	134.1	134.1	139.1	134.1
75°	54.6	64.6	74.5	79.5	89.4	94.4	94.4	99.4	99.4	99.4	99.4
77.5°	39.8	44.8	49.6	54.6	59.6	64.6	64.6	69.5	69.5	69.5	69.5
80°	24.9	29.8	29.8	34.8	39.8	39.8	44.8	44.8	44.8	44.8	44.8
82.5°	14.9	19.9	19.9	24.9	24.9	24.9	29.8	29.8	29.8	29.8	29.8
85°	9.9	9.9	9.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
87.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	9.9	9.9	5.0	5.0
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: P212849

CATALOG NUMBER: LE_6B60D010R EC6B60708030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	4266.4	4266.4	4266.4	4266.4
2.5°	4201.8	4176.9	4216.6	4157.1
5°	4157.1	4132.2	4181.9	4107.4
7.5°	4102.4	4077.6	4122.2	4047.8
10°	4032.9	4008.1	4047.8	3968.4
12.5°	3973.2	3948.5	3993.1	3918.6
15°	3928.6	3903.8	3943.5	3874.0
17.5°	3859.1	3829.2	3874.0	3799.5
20°	3759.8	3739.9	3774.6	3700.1
22.5°	3645.5	3625.6	3665.4	3590.9
25°	3526.2	3501.5	3541.2	3466.8
27.5°	3372.4	3352.5	3392.2	3317.8
30°	3188.6	3168.8	3208.5	3138.9
32.5°	2980.0	2960.1	2989.9	2930.2
35°	2741.6	2726.6	2756.5	2691.9
37.5°	2483.2	2468.4	2498.2	2433.6
40°	2205.1	2190.2	2215.1	2185.4
42.5°	1932.0	1917.1	1942.0	1917.1
45°	1663.9	1653.9	1678.8	1653.9
47.5°	1415.5	1405.5	1430.4	1405.5
50°	1177.1	1182.0	1192.0	1182.0
52.5°	963.5	963.5	978.4	963.5
55°	779.8	784.8	789.8	779.8
57.5°	620.9	620.9	625.8	620.9
60°	481.8	486.8	486.8	481.8
62.5°	382.4	382.4	382.4	382.4
65°	303.0	303.0	307.9	303.0
67.5°	238.4	233.4	238.4	233.4
70°	178.8	178.8	178.8	178.8
72.5°	139.1	139.1	134.1	134.1
75°	99.4	104.2	99.4	99.4
77.5°	69.5	69.5	69.5	69.5
80°	44.8	44.8	44.8	44.8
82.5°	29.8	29.8	29.8	29.8
85°	19.9	14.9	14.9	14.9
87.5°	9.9	5.0	5.0	5.0
90°	0.0	0.0	0.0	0.0



Report Generated By E9808895 / USPTCWHP6082093





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





















(END OF REPORT)