

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P844416

Luminaire Tested: **LD6C35DE010B40 EU6C35B40 6LBSQLI**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844416
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P209348)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C35DE010B40 EU6C35B40 6LBSQLI
Description:
Light Source: -
Ballast/Driver:

Summary

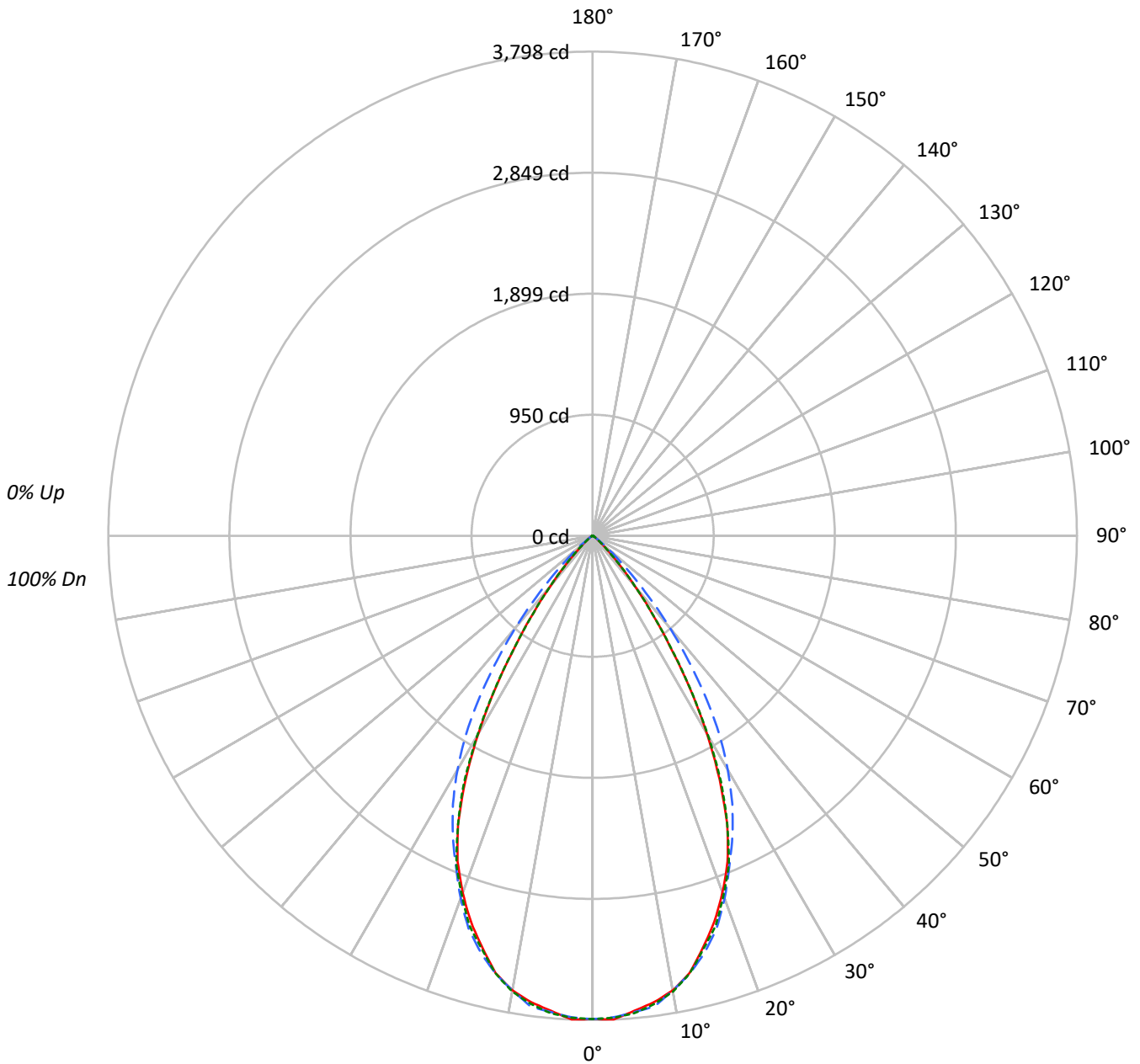
Lumens per Lamp: N/A
Luminaire Lumens: 3562.0 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 41.7
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	83	78	73	90	82	77	73	81	76	72	79	75	72	77	74	71	69																			
6	87	78	72	68	86	77	72	67	76	71	67	74	70	67	73	69	66	65																			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60																			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	56																			
9	75	65	59	55	74	64	59	55	64	58	55	63	58	54	62	57	54	53																			
10	71	61	55	52	70	61	55	51	60	55	51	59	55	51	59	54	51	50																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	163207	163207	163207
5°	161665	162080	162490
10°	158305	158305	158729
15°	149053	150969	149583
20°	136467	138662	137457
25°	118577	123223	118691
30°	89176	105448	90017
35°	55368	81228	55620
40°	29131	52895	29002
45°	12068	26469	12361
50°	4642	9920	4642
55°	2507	3048	2335
60°	1645	1429	1645
65°	968	968	968
70°	604	894	604
75°	383	383	383
80°	570	570	570
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.9	10.0
10°-20°	944.0	26.5
20°-30°	1158.5	32.5
30°-40°	799.8	22.5
40°-50°	250.1	7.0
50°-60°	39.1	1.1
60°-70°	11.2	0.3
70°-80°	3.6	0.1
80°-90°	0.8	0.0
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°	2457.4	69.0
0°-40°	3257.2	91.4
0°-60°	3546.3	99.6
0°-90°	3562.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3562.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3791	3791	3791	3791	3791	
5°	3740	3755	3750	3751	3760	354
15°	3344	3392	3387	3382	3356	935
25°	2496	2560	2594	2577	2498	1118
35°	1053	1246	1545	1258	1058	673
45°	198	271	435	269	203	178
55°	33	36	41	36	31	33
65°	10	12	10	12	10	11
75°	2	2	2	2	2	3
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3790.6	3790.6	3790.6	3790.6	3790.6	3790.6	3790.6	3790.6	3790.6	3790.6	3790.6
2.5°	3797.8	3745.3	3778.7	3771.4	3790.6	3802.5	3790.6	3812.0	3797.8	3781.1	3785.9
5°	3740.5	3747.6	3745.3	3750.1	3754.8	3754.8	3778.7	3781.1	3785.9	3750.1	3759.6
7.5°	3690.2	3690.2	3702.2	3697.4	3714.2	3709.4	3711.8	3730.8	3733.2	3723.7	3716.5
10°	3620.9	3611.4	3599.6	3599.6	3620.9	3623.3	3642.5	3644.9	3659.2	3620.9	3625.9
12.5°	3513.6	3508.7	3489.7	3499.2	3516.0	3506.3	3537.4	3539.8	3535.0	3518.3	3527.8
15°	3343.9	3363.1	3358.2	3355.8	3394.1	3389.3	3386.9	3394.1	3396.4	3386.9	3379.8
17.5°	3174.4	3191.1	3193.4	3198.2	3205.4	3212.7	3222.2	3248.4	3238.8	3231.7	3255.6
20°	2978.4	2971.3	2990.5	3009.5	3016.7	3016.7	3031.1	3050.1	3035.8	3026.3	3028.6
22.5°	2765.9	2777.9	2768.4	2787.4	2797.0	2808.9	2823.1	2840.0	2827.9	2801.8	2832.9
25°	2496.0	2503.2	2534.3	2531.9	2546.1	2574.8	2596.3	2596.3	2596.3	2593.8	2593.8
27.5°	2156.8	2152.1	2190.4	2216.5	2252.3	2297.8	2326.4	2371.7	2379.0	2371.7	2355.0
30°	1793.7	1789.0	1836.7	1870.2	1934.7	1956.3	2035.1	2078.0	2123.4	2121.0	2109.1
32.5°	1416.4	1426.0	1464.2	1512.0	1564.5	1631.4	1705.4	1800.8	1841.7	1851.2	1829.6
35°	1053.4	1067.7	1103.5	1144.0	1208.7	1282.7	1385.3	1476.1	1545.4	1545.4	1528.6
37.5°	759.6	764.4	797.8	824.1	890.8	957.8	1046.2	1170.4	1213.4	1230.0	1213.4
40°	518.3	518.3	537.4	566.0	620.9	678.4	759.6	852.7	914.7	941.1	912.4
42.5°	329.7	334.4	348.7	367.8	408.5	458.6	520.8	590.1	635.4	654.5	628.2
45°	198.2	203.0	215.0	229.3	255.6	286.7	329.7	379.8	418.0	434.7	422.7
47.5°	119.4	124.2	128.9	138.6	157.6	179.2	200.6	229.3	253.2	255.6	250.9
50°	69.3	69.3	74.0	81.2	90.7	102.8	114.6	131.3	138.6	148.1	138.6
52.5°	45.4	45.4	45.4	47.7	52.5	57.4	62.2	71.7	76.5	76.5	74.0
55°	33.4	33.4	33.4	33.4	35.9	35.9	35.9	38.2	40.6	40.6	40.6
57.5°	23.9	23.9	23.9	26.3	26.3	26.3	23.9	23.9	23.9	23.9	23.9
60°	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	16.6	16.6	16.6
62.5°	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
65°	9.5	9.5	9.5	11.8	11.8	11.8	11.8	9.5	9.5	9.5	9.5
67.5°	7.1	7.1	7.1	9.5	9.5	9.5	9.5	9.5	7.1	7.1	7.1
70°	4.8	4.8	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
72.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
75°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
77.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
80°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
82.5°	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	3790.6	3790.6	3790.6	3790.6	3790.6	3790.6	3790.6	3790.6
2.5°	3800.1	3788.2	3788.2	3788.2	3783.5	3788.2	3795.3	3783.5
5°	3759.6	3764.3	3742.9	3759.6	3766.7	3754.8	3783.5	3759.6
7.5°	3723.7	3716.5	3683.1	3707.0	3721.3	3726.0	3723.7	3704.7
10°	3652.0	3635.4	3620.9	3620.9	3616.2	3613.8	3640.2	3630.6
12.5°	3523.1	3535.0	3513.6	3525.5	3516.0	3518.3	3520.8	3516.0
15°	3413.2	3401.3	3372.6	3391.6	3379.8	3367.8	3391.6	3355.8
17.5°	3241.2	3238.8	3222.2	3210.2	3215.0	3212.7	3224.5	3207.9
20°	3038.2	3042.9	3033.4	3028.6	3021.6	3004.7	3019.1	3000.0
22.5°	2818.4	2823.1	2832.9	2813.6	2816.1	2792.3	2813.6	2792.3
25°	2596.3	2593.8	2582.0	2572.5	2546.1	2519.8	2515.1	2498.4
27.5°	2352.7	2336.0	2307.3	2276.2	2235.6	2199.9	2197.4	2185.6
30°	2085.2	2049.4	1996.9	1946.6	1884.6	1829.6	1829.6	1810.6
32.5°	1803.4	1722.0	1650.4	1588.4	1507.2	1476.1	1445.0	1428.4
35°	1466.6	1394.9	1308.8	1206.2	1168.1	1091.6	1096.3	1058.2
37.5°	1148.8	1060.5	979.4	895.7	828.9	793.0	773.9	754.8
40°	852.7	766.7	678.4	623.4	563.7	532.6	520.8	516.0
42.5°	582.8	511.0	453.8	408.5	377.4	343.9	334.4	329.7
45°	379.8	339.2	286.7	250.9	229.3	210.3	210.3	203.0
47.5°	226.9	200.6	174.4	150.5	136.2	124.2	119.4	117.0
50°	126.5	112.2	98.0	88.3	78.8	71.7	69.3	69.3
52.5°	69.3	62.2	57.4	50.1	45.4	45.4	45.4	42.9
55°	35.9	35.9	35.9	35.9	33.4	33.4	33.4	31.1
57.5°	23.9	23.9	26.3	26.3	26.3	23.9	23.9	23.9
60°	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
62.5°	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
65°	9.5	11.8	11.8	11.8	11.8	9.5	9.5	9.5
67.5°	7.1	9.5	9.5	9.5	7.1	7.1	7.1	7.1
70°	7.1	7.1	7.1	7.1	7.1	4.8	4.8	4.8
72.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
75°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
77.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
80°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
82.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°









(END OF REPORT)