

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: P844467

Luminaire Tested: **LD6C40DE010B2750 EU6C40B30 6LBSQLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844467
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: LD6C40DE010B2750 EU6C40B30 6LBSQLI
Description:
Light Source: -
Ballast/Driver:

Summary

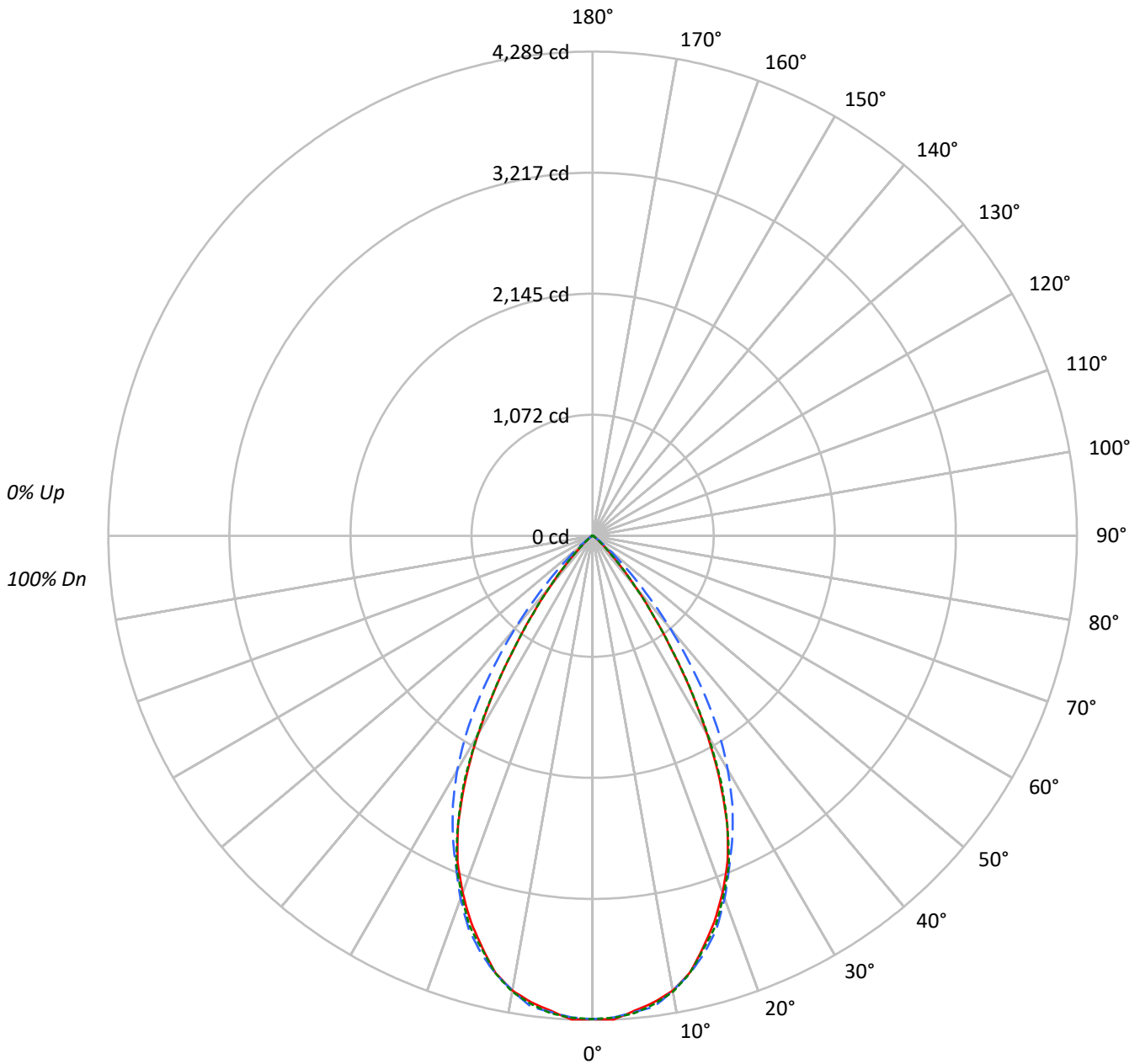
Lumens per Lamp: N/A
Luminaire Lumens: 4023.2 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 49.8
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					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	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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93					93			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87					87			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80					80			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75					75			
5	92	83	78	73	90	82	77	73	81	76	72	79	75	72	77	74	71	69					69			
6	87	78	72	68	86	77	72	67	76	71	67	74	70	67	73	69	66	65					65			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60					60			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	56					56			
9	75	65	59	55	74	64	59	55	64	58	55	63	58	54	62	57	54	53					53			
10	71	61	55	52	70	61	55	51	60	55	51	59	55	51	59	54	51	50					50			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	184334	184334	184334
5°	182592	183059	183521
10°	178801	178801	179282
15°	168349	170515	168946
20°	154135	156614	155248
25°	133926	139176	134059
30°	100725	119101	101665
35°	62532	91746	62816
40°	32908	59740	32756
45°	13633	29897	13962
50°	5245	11206	5245
55°	2837	3445	2635
60°	1869	1619	1869
65°	1100	1100	1100
70°	680	1007	680
75°	433	433	433
80°	645	645	645
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.8	10.0
10°-20°	1066.2	26.5
20°-30°	1308.5	32.5
30°-40°	903.3	22.5
40°-50°	282.4	7.0
50°-60°	44.1	1.1
60°-70°	12.7	0.3
70°-80°	4.1	0.1
80°-90°	0.9	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°	2775.5	69.0
0°-40°	3678.9	91.4
0°-60°	4005.4	99.6
0°-90°	4023.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4023.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4281	4281	4281	4281	4281	
5°	4225	4241	4236	4237	4246	399
15°	3777	3831	3825	3820	3790	1056
25°	2819	2892	2930	2911	2822	1263
35°	1190	1407	1746	1420	1195	760
45°	224	306	491	304	229	201
55°	38	40	46	40	35	37
65°	11	13	11	13	11	12
75°	3	3	3	3	3	4
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°	4281.3	4281.3	4281.3	4281.3	4281.3	4281.3	4281.3	4281.3	4281.3	4281.3	4281.3
2.5°	4289.3	4230.1	4267.9	4259.6	4281.3	4294.7	4281.3	4305.5	4289.3	4270.6	4275.9
5°	4224.7	4232.8	4230.1	4235.5	4240.8	4240.8	4267.9	4270.6	4275.9	4235.5	4246.2
7.5°	4167.9	4167.9	4181.6	4176.1	4195.0	4189.6	4192.4	4213.8	4216.5	4205.8	4197.6
10°	4089.7	4079.0	4065.5	4065.5	4089.7	4092.4	4114.1	4116.7	4132.8	4089.7	4095.3
12.5°	3968.5	3962.8	3941.4	3952.2	3971.1	3960.2	3995.3	3998.0	3992.6	3973.8	3984.5
15°	3776.8	3798.5	3792.9	3790.2	3833.4	3828.0	3825.4	3833.4	3836.1	3825.4	3817.3
17.5°	3585.4	3604.2	3606.8	3612.2	3620.3	3628.5	3639.2	3668.9	3658.0	3650.0	3677.1
20°	3364.0	3356.0	3377.6	3399.1	3407.2	3407.2	3423.5	3444.9	3428.8	3418.1	3420.7
22.5°	3124.0	3137.5	3126.7	3148.2	3159.0	3172.5	3188.7	3207.6	3194.1	3164.4	3199.6
25°	2819.1	2827.3	2862.4	2859.6	2875.8	2908.2	2932.4	2932.4	2932.4	2929.6	2929.6
27.5°	2436.0	2430.7	2473.9	2503.4	2543.9	2595.3	2627.6	2678.8	2687.0	2678.8	2659.9
30°	2026.0	2020.6	2074.4	2112.3	2185.2	2209.5	2298.6	2347.1	2398.3	2395.6	2382.2
32.5°	1599.7	1610.6	1653.8	1707.7	1767.0	1842.5	1926.2	2034.0	2080.0	2090.7	2066.4
35°	1189.7	1205.9	1246.3	1292.2	1365.1	1448.7	1564.6	1667.3	1745.5	1745.5	1726.5
37.5°	857.8	863.2	901.0	930.7	1006.1	1081.7	1181.7	1321.9	1370.5	1389.3	1370.5
40°	585.5	585.5	607.0	639.3	701.3	766.1	857.8	963.0	1033.2	1062.9	1030.6
42.5°	372.3	377.7	393.9	415.5	461.3	517.9	588.2	666.4	717.6	739.2	709.6
45°	223.9	229.3	242.8	259.0	288.7	323.8	372.3	429.0	472.1	491.0	477.5
47.5°	134.8	140.2	145.6	156.5	178.0	202.3	226.5	259.0	286.0	288.7	283.3
50°	78.3	78.3	83.7	91.7	102.5	116.0	129.5	148.3	156.5	167.3	156.5
52.5°	51.2	51.2	51.2	53.9	59.3	64.8	70.2	80.9	86.3	86.3	83.7
55°	37.8	37.8	37.8	37.8	40.5	40.5	40.5	43.2	45.9	45.9	45.9
57.5°	27.1	27.1	27.1	29.7	29.7	29.7	27.1	27.1	27.1	27.1	27.1
60°	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	18.8	18.8	18.8
62.5°	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
65°	10.8	10.8	10.8	13.4	13.4	13.4	13.4	10.8	10.8	10.8	10.8
67.5°	8.0	8.0	8.0	10.8	10.8	10.8	10.8	10.8	8.0	8.0	8.0
70°	5.4	5.4	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
72.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
75°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
77.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
80°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
82.5°	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
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°	4281.3	4281.3	4281.3	4281.3	4281.3	4281.3	4281.3	4281.3
2.5°	4292.1	4278.7	4278.7	4278.7	4273.3	4278.7	4286.7	4273.3
5°	4246.2	4251.6	4227.4	4246.2	4254.3	4240.8	4273.3	4246.2
7.5°	4205.8	4197.6	4159.9	4187.0	4203.0	4208.4	4205.8	4184.2
10°	4124.8	4105.9	4089.7	4089.7	4084.4	4081.6	4111.3	4100.7
12.5°	3979.1	3992.6	3968.5	3981.9	3971.1	3973.8	3976.5	3971.1
15°	3855.1	3841.6	3809.2	3830.7	3817.3	3803.9	3830.7	3790.2
17.5°	3660.8	3658.0	3639.2	3625.8	3631.2	3628.5	3642.0	3623.1
20°	3431.5	3436.9	3426.1	3420.7	3412.7	3393.7	3410.0	3388.3
22.5°	3183.3	3188.7	3199.6	3177.9	3180.6	3153.8	3177.9	3153.8
25°	2932.4	2929.6	2916.2	2905.5	2875.8	2846.1	2840.7	2821.9
27.5°	2657.3	2638.5	2606.0	2570.9	2525.1	2484.6	2481.9	2468.5
30°	2355.1	2314.6	2255.4	2198.6	2128.6	2066.4	2066.4	2044.9
32.5°	2036.9	1945.0	1864.1	1794.1	1702.4	1667.3	1632.1	1613.3
35°	1656.5	1575.6	1478.3	1362.3	1319.2	1232.9	1238.3	1195.1
37.5°	1297.6	1197.8	1106.1	1011.7	936.1	895.7	874.0	852.5
40°	963.0	866.0	766.1	704.1	636.7	601.6	588.2	582.8
42.5°	658.2	577.3	512.5	461.3	426.2	388.5	377.7	372.3
45°	429.0	383.1	323.8	283.3	259.0	237.4	237.4	229.3
47.5°	256.3	226.5	197.0	170.0	153.9	140.2	134.8	132.2
50°	142.9	126.8	110.6	99.7	89.1	80.9	78.3	78.3
52.5°	78.3	70.2	64.8	56.6	51.2	51.2	51.2	48.5
55°	40.5	40.5	40.5	40.5	37.8	37.8	37.8	35.1
57.5°	27.1	27.1	29.7	29.7	29.7	27.1	27.1	27.1
60°	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
62.5°	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
65°	10.8	13.4	13.4	13.4	13.4	10.8	10.8	10.8
67.5°	8.0	10.8	10.8	10.8	8.0	8.0	8.0	8.0
70°	8.0	8.0	8.0	8.0	8.0	5.4	5.4	5.4
72.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
75°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
77.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
80°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
82.5°	2.6	2.6	2.6	2.6	2.6	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)