

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: P844484

Luminaire Tested: **LD6C40DE010B35 EU6C40B35 6LBSQLI**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844484
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: LD6C40DE010B35 EU6C40B35 6LBSQLI
Description:
Light Source: -
Ballast/Driver:

Summary

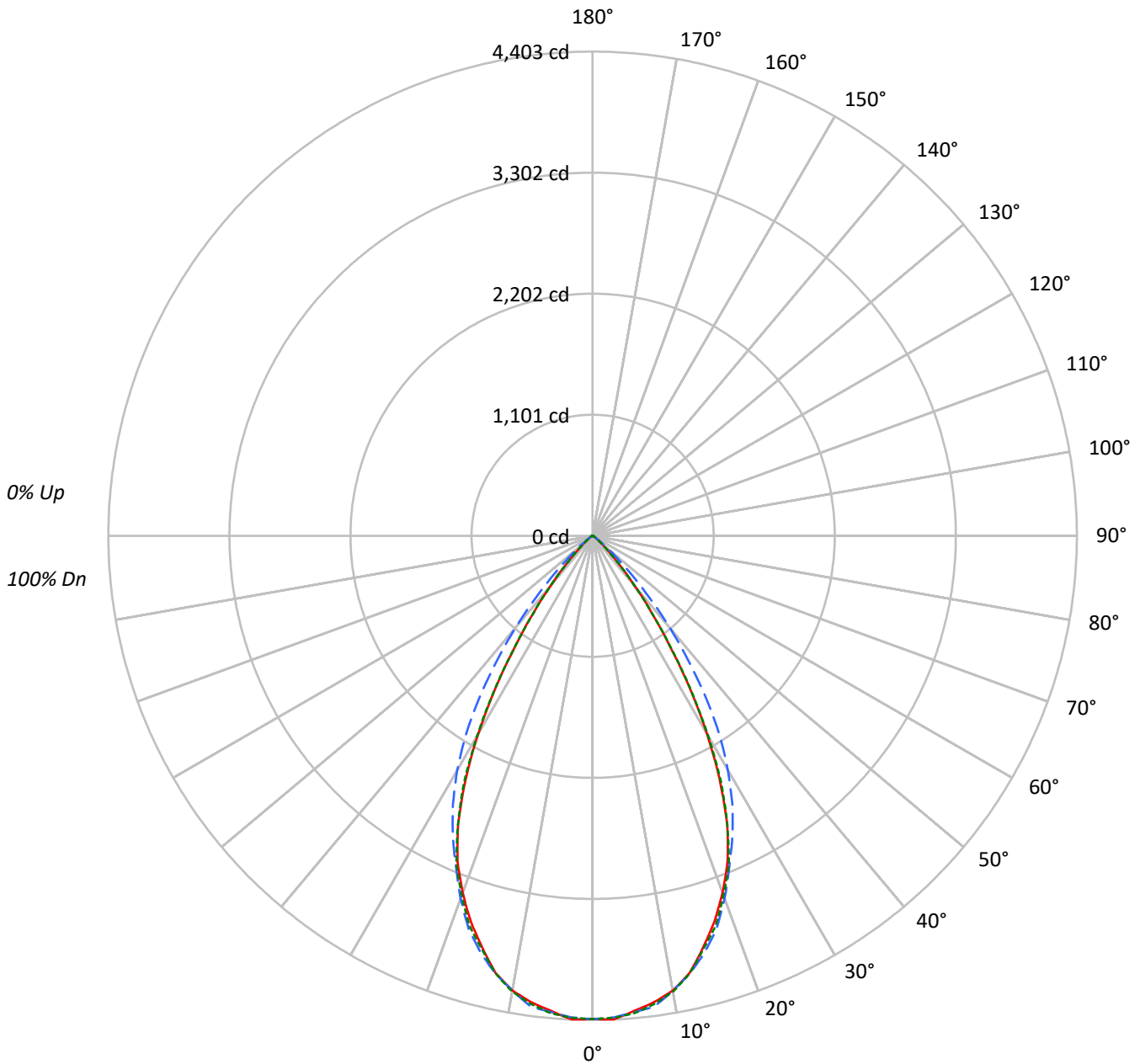
Lumens per Lamp: N/A
Luminaire Lumens: 4129.9 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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	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°	189230	189230	189230
5°	187441	187917	188392
10°	183549	183549	184039
15°	172820	175040	173430
20°	158226	160769	159372
25°	137484	142876	137617
30°	103395	122263	104365
35°	64198	94179	64487
40°	33785	61331	33628
45°	13992	30689	14327
50°	5385	11508	5385
55°	2913	3536	2710
60°	1912	1671	1912
65°	1121	1121	1121
70°	692	1032	692
75°	449	449	449
80°	669	669	669
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	411.4	10.0
10°-20°	1094.5	26.5
20°-30°	1343.3	32.5
30°-40°	927.3	22.5
40°-50°	289.9	7.0
50°-60°	45.3	1.1
60°-70°	13.0	0.3
70°-80°	4.2	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°	2849.2	69.0
0°-40°	3776.5	91.4
0°-60°	4111.8	99.6
0°-90°	4129.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4129.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4395	4395	4395	4395	4395	
5°	4337	4353	4348	4349	4359	410
15°	3877	3932	3927	3921	3891	1084
25°	2894	2969	3008	2988	2897	1297
35°	1221	1444	1792	1458	1227	780
45°	230	314	504	312	235	206
55°	39	42	47	42	36	38
65°	11	14	11	14	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°	4395.0	4395.0	4395.0	4395.0	4395.0	4395.0	4395.0	4395.0	4395.0	4395.0	4395.0
2.5°	4403.2	4342.4	4381.2	4372.8	4395.0	4408.7	4395.0	4419.9	4403.2	4384.0	4389.5
5°	4336.9	4345.2	4342.4	4347.9	4353.4	4353.4	4381.2	4384.0	4389.5	4347.9	4358.9
7.5°	4278.7	4278.7	4292.6	4286.9	4306.4	4300.9	4303.6	4325.7	4328.5	4317.4	4309.1
10°	4198.3	4187.3	4173.4	4173.4	4198.3	4201.0	4223.2	4226.0	4242.6	4198.3	4204.0
12.5°	4073.8	4068.1	4046.1	4057.1	4076.5	4065.3	4101.4	4104.1	4098.6	4079.3	4090.4
15°	3877.1	3899.3	3893.7	3890.8	3935.1	3929.6	3926.9	3935.1	3938.0	3926.9	3918.6
17.5°	3680.6	3699.8	3702.6	3708.2	3716.4	3724.9	3735.9	3766.4	3755.2	3746.9	3774.7
20°	3453.3	3445.0	3467.2	3489.3	3497.6	3497.6	3514.3	3536.4	3519.8	3508.8	3511.6
22.5°	3207.0	3220.7	3209.7	3231.8	3243.0	3256.8	3273.3	3292.8	3278.9	3248.5	3284.5
25°	2894.0	2902.3	2938.3	2935.6	2952.2	2985.4	3010.2	3010.2	3010.2	3007.5	3007.5
27.5°	2500.8	2495.3	2539.6	2569.9	2611.4	2664.2	2697.3	2749.8	2758.3	2749.8	2730.6
30°	2079.7	2074.2	2129.5	2168.4	2243.1	2268.2	2359.6	2409.4	2462.0	2459.2	2445.5
32.5°	1642.2	1653.4	1697.7	1753.0	1813.8	1891.5	1977.4	2088.0	2135.3	2146.3	2121.3
35°	1221.4	1237.9	1279.4	1326.5	1401.4	1487.1	1606.1	1711.5	1791.8	1791.8	1772.4
37.5°	880.7	886.2	925.0	955.5	1032.9	1110.5	1213.1	1357.0	1406.9	1426.1	1406.9
40°	601.1	601.1	623.1	656.4	719.9	786.6	880.7	988.6	1060.6	1091.2	1057.8
42.5°	382.2	387.7	404.3	426.5	473.6	531.7	603.8	684.1	736.6	758.7	728.4
45°	229.8	235.3	249.3	265.9	296.3	332.4	382.2	440.3	484.6	504.0	490.1
47.5°	138.4	143.9	149.4	160.7	182.8	207.7	232.6	265.9	293.6	296.3	290.8
50°	80.4	80.4	85.9	94.1	105.1	119.1	132.9	152.2	160.7	171.8	160.7
52.5°	52.6	52.6	52.6	55.3	60.8	66.5	72.0	83.1	88.6	88.6	85.9
55°	38.8	38.8	38.8	38.8	41.6	41.6	41.6	44.3	47.1	47.1	47.1
57.5°	27.7	27.7	27.7	30.6	30.6	30.6	27.7	27.7	27.7	27.7	27.7
60°	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	19.4	19.4	19.4
62.5°	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
65°	11.0	11.0	11.0	13.7	13.7	13.7	13.7	11.0	11.0	11.0	11.0
67.5°	8.2	8.2	8.2	11.0	11.0	11.0	11.0	11.0	8.2	8.2	8.2
70°	5.5	5.5	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
72.5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
75°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
77.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
80°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
82.5°	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
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°	4395.0	4395.0	4395.0	4395.0	4395.0	4395.0	4395.0	4395.0
2.5°	4406.0	4392.2	4392.2	4392.2	4386.7	4392.2	4400.5	4386.7
5°	4358.9	4364.4	4339.7	4358.9	4367.3	4353.4	4386.7	4358.9
7.5°	4317.4	4309.1	4270.3	4298.1	4314.6	4320.1	4317.4	4295.4
10°	4234.3	4215.0	4198.3	4198.3	4192.8	4190.0	4220.5	4209.5
12.5°	4084.8	4098.6	4073.8	4087.5	4076.5	4079.3	4082.0	4076.5
15°	3957.5	3943.6	3910.4	3932.4	3918.6	3904.9	3932.4	3890.8
17.5°	3758.0	3755.2	3735.9	3722.1	3727.6	3724.9	3738.6	3719.4
20°	3522.7	3528.2	3517.1	3511.6	3503.3	3483.8	3500.6	3478.3
22.5°	3267.8	3273.3	3284.5	3262.3	3265.0	3237.4	3262.3	3237.4
25°	3010.2	3007.5	2993.6	2982.6	2952.2	2921.6	2916.1	2896.8
27.5°	2727.8	2708.5	2675.3	2639.2	2592.2	2550.6	2547.8	2534.0
30°	2417.6	2376.1	2315.3	2257.0	2185.1	2121.3	2121.3	2099.2
32.5°	2090.9	1996.6	1913.6	1841.7	1747.5	1711.5	1675.4	1656.1
35°	1700.5	1617.3	1517.5	1398.6	1354.3	1265.7	1271.2	1226.9
37.5°	1332.0	1229.6	1135.5	1038.6	961.0	919.4	897.2	875.1
40°	988.6	888.9	786.6	722.7	653.6	617.6	603.8	598.3
42.5°	675.6	592.6	526.2	473.6	437.5	398.7	387.7	382.2
45°	440.3	393.2	332.4	290.8	265.9	243.8	243.8	235.3
47.5°	263.1	232.6	202.2	174.5	157.9	143.9	138.4	135.7
50°	146.7	130.2	113.6	102.4	91.4	83.1	80.4	80.4
52.5°	80.4	72.0	66.5	58.1	52.6	52.6	52.6	49.8
55°	41.6	41.6	41.6	41.6	38.8	38.8	38.8	36.1
57.5°	27.7	27.7	30.6	30.6	30.6	27.7	27.7	27.7
60°	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
62.5°	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
65°	11.0	13.7	13.7	13.7	13.7	11.0	11.0	11.0
67.5°	8.2	11.0	11.0	11.0	8.2	8.2	8.2	8.2
70°	8.2	8.2	8.2	8.2	8.2	5.5	5.5	5.5
72.5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
75°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
77.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
80°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
82.5°	2.7	2.7	2.7	2.7	2.7	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)