

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: P800062

Luminaire Tested: **LD6C70D010 EU6709050 6LBMDDWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P800062
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-6)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C70D010 EU6709050 6LBMDDWLI
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

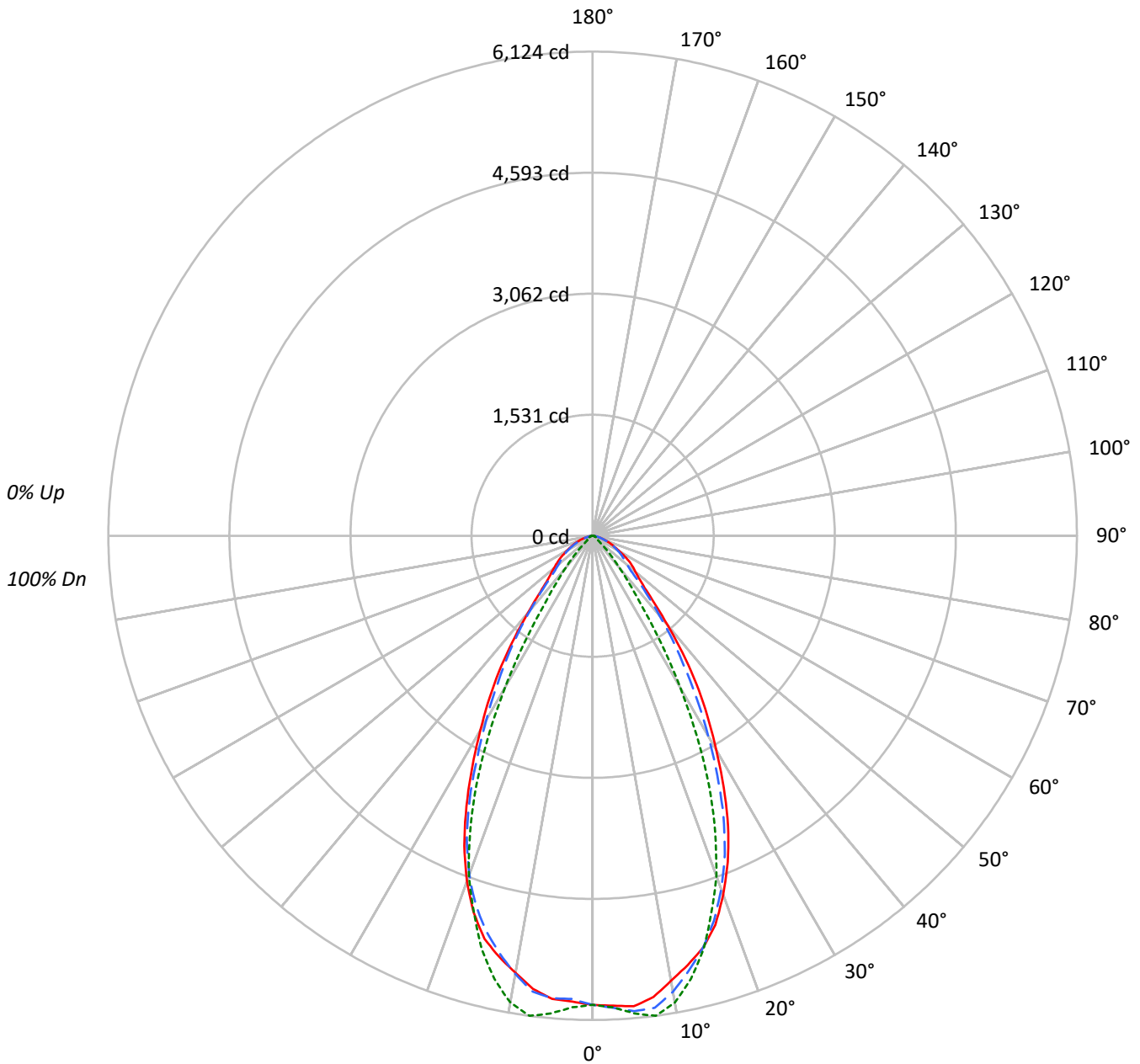
Lumens per Lamp: N/A
Luminaire Lumens: 6041.0 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 78
Input Voltage (V): NR
Input Current (A_{in}): 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			100
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91			91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83			83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			76
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70			70
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64			64
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59			59
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55			55
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51			51
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48			48
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45			45

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	325297	325297	325297
5°	328697	333677	323546
10°	318047	333672	312503
15°	306108	307306	299599
20°	281728	266933	271163
25°	245186	210496	228388
30°	197746	139857	179401
35°	153307	72110	134730
40°	105190	37370	90720
45°	72069	18723	63650
50°	59972	7983	54574
55°	53943	6920	48753
60°	42694	6622	40698
65°	35231	5876	34842
70°	28546	5321	28546
75°	21096	5761	22367
80°	12375	4767	13354
85°	9498	5724	9498



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	564.8	9.4
10°-20°	1482.5	24.5
20°-30°	1692.2	28.0
30°-40°	1122.2	18.6
40°-50°	541.3	9.0
50°-60°	333.0	5.5
60°-70°	201.5	3.3
70°-80°	84.8	1.4
80°-90°	18.7	0.3
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°	3739.6	61.9
0°-40°	4861.8	80.5
0°-60°	5736.1	95.0
0°-90°	6041.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6041.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5934	5934	5934	5934	5934	
5°	5973	6036	6064	5870	5880	561
15°	5394	5394	5415	5185	5279	1503
25°	4054	3918	3480	3682	3776	1838
35°	2291	2019	1078	1883	2013	1417
45°	930	815	242	761	821	758
55°	564	459	72	459	510	496
65°	272	260	45	244	269	273
75°	100	100	27	94	106	106
85°	15	21	9	15	15	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	5933.9	5933.9	5933.9	5933.9	5933.9	5933.9	5933.9	5933.9	5933.9
2.5°	5948.9	5958.0	5976.1	5979.1	5970.1	5912.7	5864.4	5882.5	5897.6
5°	5973.1	5991.2	6036.5	6078.7	6063.6	5967.1	5870.5	5867.5	5879.5
7.5°	5885.6	5927.8	6021.4	6127.0	6124.0	5958.0	5816.1	5779.9	5779.9
10°	5713.5	5752.8	5855.4	5997.2	5994.2	5786.0	5629.0	5610.9	5613.9
12.5°	5559.6	5577.7	5629.0	5740.7	5740.7	5535.4	5414.7	5432.8	5457.0
15°	5393.6	5405.7	5393.6	5429.8	5414.7	5245.7	5185.3	5242.7	5278.9
17.5°	5158.2	5164.2	5100.8	5052.5	4995.2	4889.5	4904.6	4989.1	4998.2
20°	4829.2	4868.4	4753.7	4630.0	4575.6	4476.0	4560.6	4654.1	4648.1
22.5°	4467.0	4512.3	4364.4	4159.1	4047.5	4008.2	4159.1	4243.6	4240.6
25°	4053.5	4086.7	3917.7	3630.9	3480.0	3474.0	3682.3	3769.8	3775.8
27.5°	3588.7	3600.8	3410.6	3036.3	2849.2	2894.5	3157.1	3277.8	3292.9
30°	3123.9	3117.8	2921.7	2456.8	2209.4	2333.1	2686.2	2819.0	2834.1
32.5°	2698.3	2680.2	2456.8	1901.5	1605.7	1789.8	2254.6	2393.5	2417.6
35°	2290.8	2260.7	2019.2	1406.5	1077.5	1352.2	1883.4	2004.1	2013.2
37.5°	1865.3	1850.2	1660.0	1053.4	751.5	1026.2	1536.3	1623.8	1614.8
40°	1469.9	1469.9	1312.9	781.7	522.2	763.6	1216.4	1294.8	1267.7
42.5°	1153.0	1168.1	1035.3	576.5	371.2	567.4	962.8	1035.3	1005.1
45°	929.6	929.6	814.9	428.6	241.5	422.6	760.6	827.0	821.0
47.5°	787.8	775.7	661.0	313.9	132.8	316.9	639.9	721.4	718.3
50°	703.2	685.1	567.4	247.5	93.6	262.6	561.4	636.8	639.9
52.5°	636.8	609.7	510.1	220.3	81.5	229.4	510.1	570.4	570.4
55°	564.4	549.3	458.8	196.2	72.4	205.2	458.8	513.1	510.1
57.5°	476.9	473.9	410.5	178.1	66.4	181.1	410.5	443.7	431.6
60°	389.4	401.4	356.2	160.0	60.4	163.0	350.1	377.3	371.2
62.5°	326.0	341.1	310.9	141.9	51.3	144.9	295.8	323.0	316.9
65°	271.6	283.7	259.6	120.7	45.3	120.7	244.5	268.6	268.6
67.5°	223.3	232.4	214.3	99.6	39.2	99.6	199.2	220.3	223.3
70°	178.1	184.1	169.0	78.5	33.2	81.5	156.9	178.1	178.1
72.5°	138.8	141.9	132.8	63.4	30.2	63.4	120.7	138.8	138.8
75°	99.6	105.6	99.6	48.3	27.2	48.3	93.6	102.6	105.6
77.5°	57.3	72.4	72.4	39.2	21.1	36.2	66.4	69.4	69.4
80°	39.2	45.3	51.3	27.2	15.1	27.2	42.3	45.3	42.3
82.5°	27.2	30.2	30.2	18.1	12.1	18.1	27.2	30.2	27.2
85°	15.1	21.1	21.1	15.1	9.1	12.1	15.1	18.1	15.1
87.5°	9.1	12.1	15.1	12.1	9.1	9.1	9.1	9.1	6.0
90°	0.0	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)