

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: P799930

Luminaire Tested: **LD6C60D010 EU6609040 6LBMDDWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799930
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: LD6C60D010 EU6609040 6LBMDDWLI
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

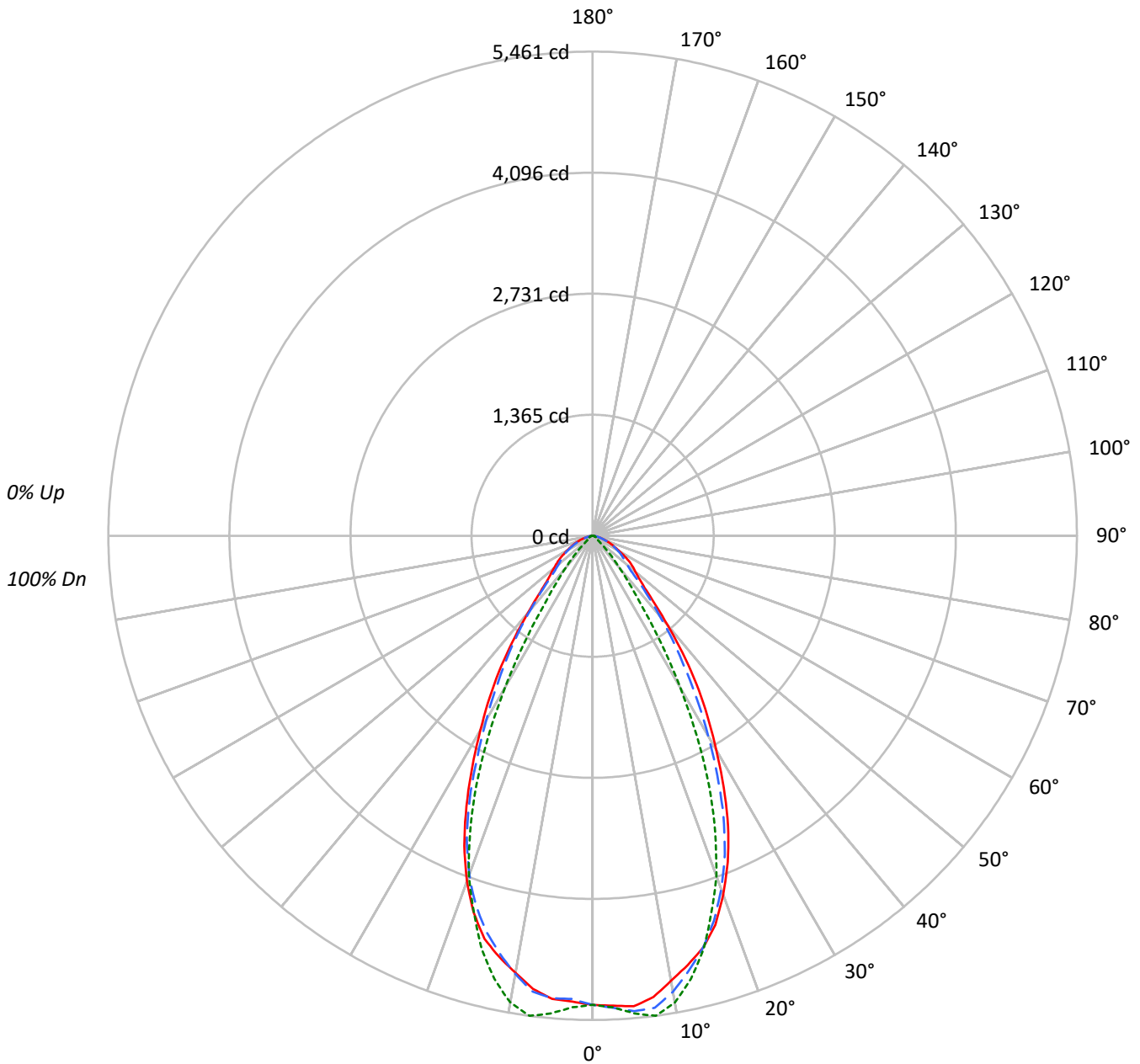
Lumens per Lamp: N/A
Luminaire Lumens: 5387.0 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 72
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°	290081	290081	290081
5°	293110	297556	288520
10°	283618	297551	278674
15°	272970	274037	267164
20°	251229	238038	241807
25°	218644	187710	203661
30°	176337	124715	159980
35°	136710	64306	120140
40°	93804	33320	80894
45°	64270	16692	56758
50°	53482	7113	48664
55°	48103	6174	43478
60°	38067	5899	36302
65°	31417	5241	31067
70°	25453	4744	25453
75°	18809	5126	19952
80°	11049	4262	11902
85°	8491	5095	8491



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	503.7	9.4
10°-20°	1322.0	24.5
20°-30°	1509.0	28.0
30°-40°	1000.7	18.6
40°-50°	482.7	9.0
50°-60°	296.9	5.5
60°-70°	179.7	3.3
70°-80°	75.6	1.4
80°-90°	16.7	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°	3334.7	61.9
0°-40°	4335.5	80.5
0°-60°	5115.1	95.0
0°-90°	5387.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5387.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5292	5292	5292	5292	5292	
5°	5326	5383	5407	5235	5243	500
15°	4810	4810	4828	4624	4707	1340
25°	3615	3494	3103	3284	3367	1639
35°	2043	1801	961	1680	1795	1264
45°	829	727	215	678	732	676
55°	503	409	65	409	455	442
65°	242	232	40	218	240	243
75°	89	89	24	83	94	95
85°	14	19	8	14	14	17
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°	5291.5	5291.5	5291.5	5291.5	5291.5	5291.5	5291.5	5291.5	5291.5
2.5°	5304.9	5313.0	5329.1	5331.8	5323.8	5272.6	5229.6	5245.7	5259.2
5°	5326.4	5342.6	5383.0	5420.6	5407.2	5321.1	5234.9	5232.2	5243.0
7.5°	5248.4	5286.1	5369.5	5463.7	5461.0	5313.0	5186.5	5154.2	5154.2
10°	5095.0	5130.0	5221.5	5348.0	5345.3	5159.6	5019.6	5003.5	5006.2
12.5°	4957.7	4973.9	5019.6	5119.2	5119.2	4936.2	4828.5	4844.7	4866.2
15°	4809.7	4820.4	4809.7	4842.0	4828.5	4677.8	4624.0	4675.1	4707.4
17.5°	4599.7	4605.1	4548.6	4505.5	4454.4	4360.2	4373.7	4449.0	4457.1
20°	4306.4	4341.4	4239.1	4128.7	4080.3	3991.5	4066.8	4150.3	4144.9
22.5°	3983.4	4023.8	3891.9	3708.9	3609.3	3574.3	3708.9	3784.2	3781.5
25°	3614.7	3644.3	3493.5	3237.9	3103.3	3097.9	3283.6	3361.7	3367.0
27.5°	3200.2	3210.9	3041.4	2707.6	2540.8	2581.1	2815.3	2923.0	2936.4
30°	2785.7	2780.3	2605.4	2190.9	1970.2	2080.5	2395.4	2513.8	2527.3
32.5°	2406.2	2390.0	2190.9	1695.6	1431.9	1596.0	2010.5	2134.3	2155.9
35°	2042.8	2015.9	1800.6	1254.2	960.9	1205.8	1679.5	1787.1	1795.2
37.5°	1663.3	1649.9	1480.3	939.3	670.2	915.1	1370.0	1448.0	1439.9
40°	1310.8	1310.8	1170.8	697.1	465.6	680.9	1084.7	1154.6	1130.4
42.5°	1028.1	1041.6	923.2	514.1	331.1	506.0	858.6	923.2	896.3
45°	829.0	829.0	726.7	382.2	215.3	376.8	678.3	737.5	732.1
47.5°	702.5	691.7	589.4	279.9	118.4	282.6	570.6	643.3	640.6
50°	627.1	611.0	506.0	220.7	83.4	234.2	500.6	567.9	570.6
52.5°	567.9	543.7	454.9	196.5	72.7	204.6	454.9	508.7	508.7
55°	503.3	489.8	409.1	174.9	64.6	183.0	409.1	457.6	454.9
57.5°	425.3	422.6	366.0	158.8	59.2	161.5	366.0	395.6	384.9
60°	347.2	358.0	317.6	142.6	53.8	145.3	312.2	336.4	331.1
62.5°	290.7	304.1	277.2	126.5	45.8	129.2	263.8	288.0	282.6
65°	242.2	253.0	231.5	107.7	40.4	107.7	218.0	239.5	239.5
67.5°	199.2	207.2	191.1	88.8	35.0	88.8	177.6	196.5	199.2
70°	158.8	164.2	150.7	70.0	29.6	72.7	140.0	158.8	158.8
72.5°	123.8	126.5	118.4	56.5	26.9	56.5	107.7	123.8	123.8
75°	88.8	94.2	88.8	43.1	24.2	43.1	83.4	91.5	94.2
77.5°	51.1	64.6	64.6	35.0	18.8	32.3	59.2	61.9	61.9
80°	35.0	40.4	45.8	24.2	13.5	24.2	37.7	40.4	37.7
82.5°	24.2	26.9	26.9	16.1	10.8	16.1	24.2	26.9	24.2
85°	13.5	18.8	18.8	13.5	8.1	10.8	13.5	16.1	13.5
87.5°	8.1	10.8	13.5	10.8	8.1	8.1	8.1	8.1	5.4
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)