

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: P799894

Luminaire Tested: **LD6C60D010 EU6609027 6LBMDDWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799894
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 EU6609027 6LBMDDWLI
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

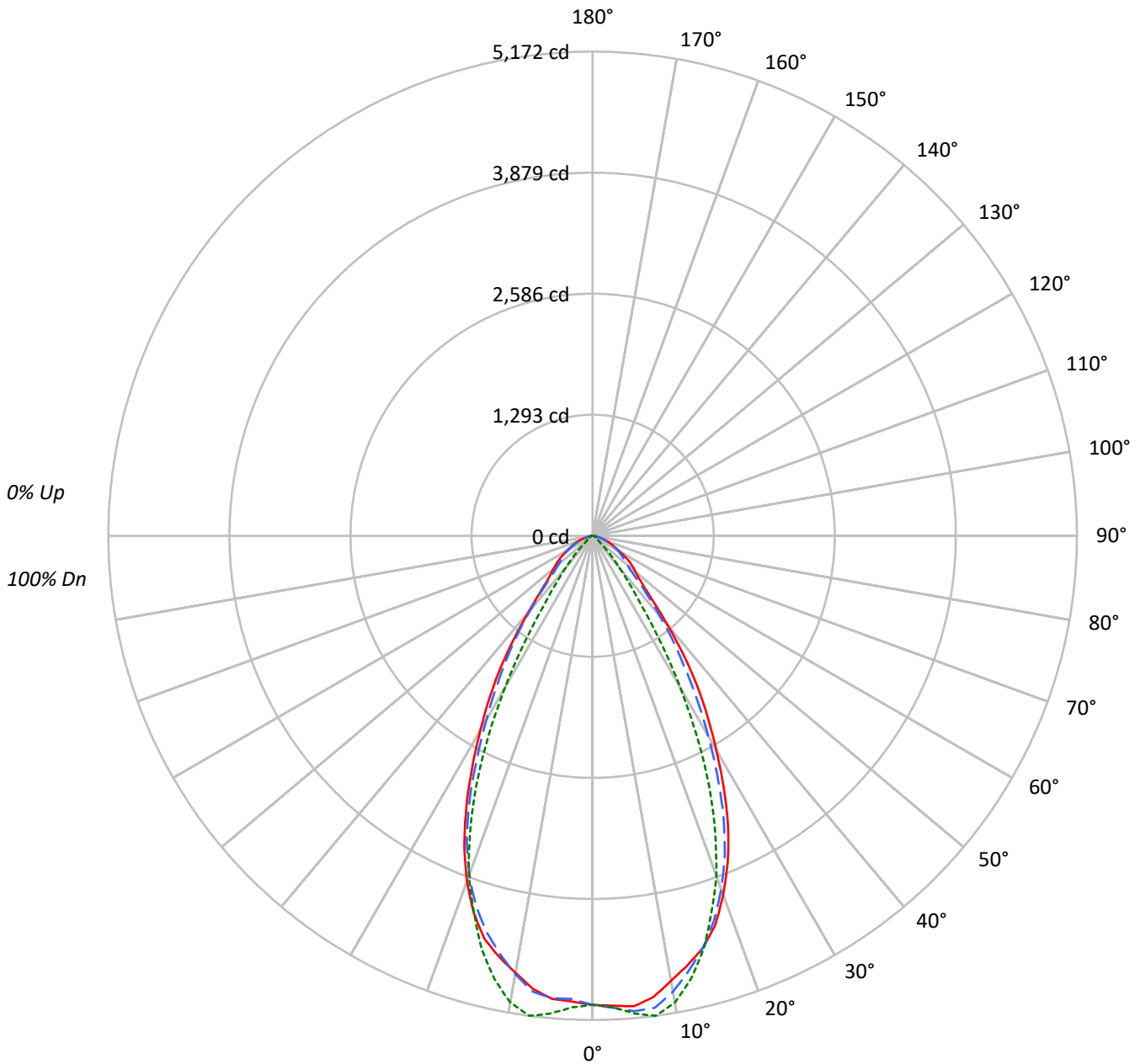
Lumens per Lamp: N/A
Luminaire Lumens: 5102.0 lumens
Efficiency: N/A
Efficacy: 70.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	274731	274731	274731
5°	277602	281812	273255
10°	268610	281808	263929
15°	258526	259542	253032
20°	237933	225443	229013
25°	207072	177778	192888
30°	167007	118113	151517
35°	129483	60900	113783
40°	88838	31559	76615
45°	60867	15808	53758
50°	50651	6738	46088
55°	45561	5849	41174
60°	36050	5592	34372
65°	29757	4955	29432
70°	24107	4488	24107
75°	17813	4850	18893
80°	10450	4009	11270
85°	7988	4780	7988



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	477.0	9.4
10°-20°	1252.1	24.5
20°-30°	1429.2	28.0
30°-40°	947.8	18.6
40°-50°	457.1	9.0
50°-60°	281.2	5.5
60°-70°	170.2	3.3
70°-80°	71.6	1.4
80°-90°	15.8	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°	3158.3	61.9
0°-40°	4106.1	80.5
0°-60°	4844.5	95.0
0°-90°	5102.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5102.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5012	5012	5012	5012	5012	
5°	5045	5098	5121	4958	4966	474
15°	4555	4555	4573	4379	4458	1269
25°	3423	3309	2939	3110	3189	1552
35°	1935	1705	910	1591	1700	1197
45°	785	688	204	642	693	640
55°	477	388	61	388	431	419
65°	229	219	38	206	227	230
75°	84	84	23	79	89	90
85°	13	18	8	13	13	16
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°	5011.5	5011.5	5011.5	5011.5	5011.5	5011.5	5011.5	5011.5	5011.5
2.5°	5024.3	5031.9	5047.2	5049.7	5042.1	4993.7	4952.9	4968.2	4980.9
5°	5044.6	5059.9	5098.2	5133.9	5121.1	5039.6	4958.0	4955.4	4965.6
7.5°	4970.7	5006.4	5085.4	5174.7	5172.1	5031.9	4912.1	4881.5	4881.5
10°	4825.4	4858.6	4945.2	5065.0	5062.5	4886.6	4754.1	4738.8	4741.3
12.5°	4695.4	4710.7	4754.1	4848.4	4848.4	4675.0	4573.1	4588.4	4608.8
15°	4555.2	4565.4	4555.2	4585.8	4573.1	4430.3	4379.3	4427.8	4458.4
17.5°	4356.4	4361.5	4308.0	4267.2	4218.7	4129.5	4142.3	4213.6	4221.3
20°	4078.5	4111.7	4014.8	3910.3	3864.4	3780.3	3851.7	3930.7	3925.6
22.5°	3772.7	3810.9	3686.0	3512.6	3418.3	3385.2	3512.6	3584.0	3581.5
25°	3423.4	3451.5	3308.7	3066.6	2939.1	2934.0	3109.9	3183.8	3188.9
27.5°	3030.9	3041.1	2880.5	2564.4	2406.3	2444.6	2666.3	2768.3	2781.1
30°	2638.3	2633.2	2467.5	2075.0	1865.9	1970.4	2268.7	2380.8	2393.6
32.5°	2278.9	2263.6	2075.0	1605.9	1356.1	1511.6	1904.2	2021.4	2041.8
35°	1934.8	1909.3	1705.3	1187.9	910.0	1142.0	1590.6	1692.6	1700.2
37.5°	1575.3	1562.6	1402.0	889.6	634.7	866.7	1297.5	1371.4	1363.8
40°	1241.4	1241.4	1108.9	660.2	441.0	644.9	1027.3	1093.6	1070.6
42.5°	973.8	986.5	874.3	486.9	313.5	479.2	813.2	874.3	848.8
45°	785.1	785.1	688.3	362.0	203.9	356.9	642.4	698.5	693.4
47.5°	665.3	655.1	558.3	265.1	112.2	267.7	540.4	609.2	606.7
50°	593.9	578.6	479.2	209.0	79.0	221.8	474.1	537.9	540.4
52.5°	537.9	514.9	430.8	186.1	68.8	193.7	430.8	481.8	481.8
55°	476.7	463.9	387.5	165.7	61.2	173.3	387.5	433.3	430.8
57.5°	402.8	400.2	346.7	150.4	56.1	152.9	346.7	374.7	364.5
60°	328.8	339.0	300.8	135.1	51.0	137.7	295.7	318.6	313.5
62.5°	275.3	288.0	262.6	119.8	43.3	122.4	249.8	272.8	267.7
65°	229.4	239.6	219.2	102.0	38.2	102.0	206.5	226.9	226.9
67.5°	188.6	196.3	181.0	84.1	33.1	84.1	168.2	186.1	188.6
70°	150.4	155.5	142.7	66.3	28.0	68.8	132.6	150.4	150.4
72.5°	117.3	119.8	112.2	53.5	25.5	53.5	102.0	117.3	117.3
75°	84.1	89.2	84.1	40.8	22.9	40.8	79.0	86.7	89.2
77.5°	48.4	61.2	61.2	33.1	17.8	30.6	56.1	58.6	58.6
80°	33.1	38.2	43.3	22.9	12.7	22.9	35.7	38.2	35.7
82.5°	22.9	25.5	25.5	15.3	10.2	15.3	22.9	25.5	22.9
85°	12.7	17.8	17.8	12.7	7.6	10.2	12.7	15.3	12.7
87.5°	7.6	10.2	12.7	10.2	7.6	7.6	7.6	7.6	5.1
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)