

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: P799931

Luminaire Tested: **LD6C60D010 EU6609040 6LBMDDWMW**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799931  
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 6LBMDDWMW  
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH MW FINISH  
Light Source: -  
Ballast/Driver: -

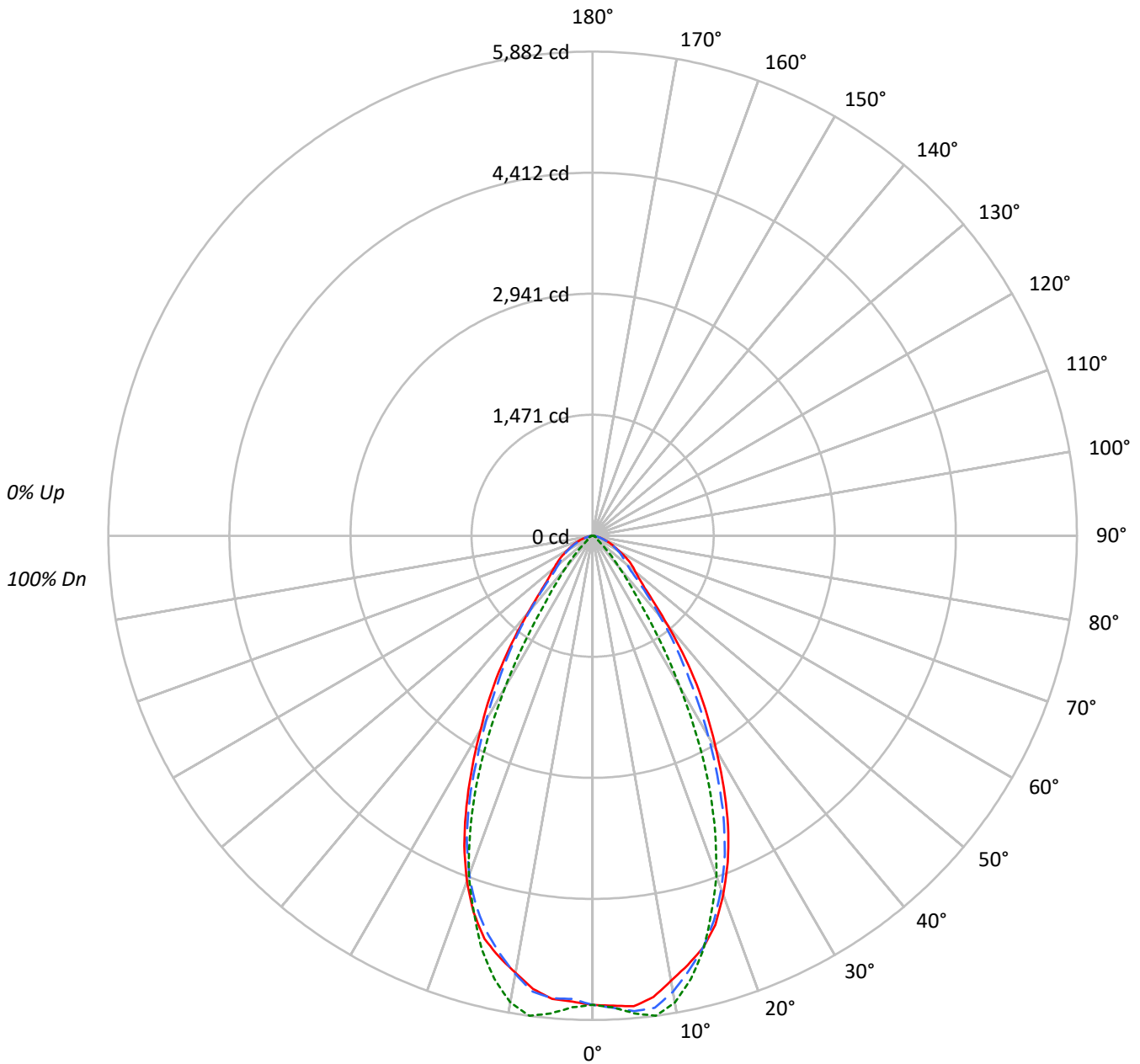
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5802.0 lumens  
Efficiency: N/A  
Efficacy: 80.6 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<sub>in</sub>): 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°	312426	312426	312426
5°	315694	320476	310746
10°	305466	320474	300139
15°	293997	295149	287743
20°	270579	256374	260434
25°	235483	202167	219351
30°	189922	134318	172305
35°	147244	69259	129396
40°	101025	35889	87128
45°	69216	17979	61130
50°	57602	7667	52416
55°	51812	6652	46823
60°	40995	6359	39098
65°	33843	5643	33467
70°	27408	5113	27408
75°	20270	5528	21499
80°	11902	4578	12817
85°	9120	5472	9120



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	542.5	9.4
10°-20°	1423.9	24.5
20°-30°	1625.3	28.0
30°-40°	1077.8	18.6
40°-50°	519.9	9.0
50°-60°	319.8	5.5
60°-70°	193.5	3.3
70°-80°	81.4	1.4
80°-90°	18.0	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°	3591.6	61.9
0°-40°	4669.5	80.5
0°-60°	5509.1	95.0
0°-90°	5802.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5802.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	5699	5699	5699	5699	5699	
5°	5737	5798	5824	5638	5647	539
15°	5180	5180	5200	4980	5070	1444
25°	3893	3763	3342	3537	3626	1765
35°	2200	1939	1035	1809	1934	1361
45°	893	783	232	730	788	728
55°	542	441	70	441	490	477
65°	261	249	44	235	258	262
75°	96	96	26	90	102	102
85°	14	20	9	14	14	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°	5699.1	5699.1	5699.1	5699.1	5699.1	5699.1	5699.1	5699.1	5699.1
2.5°	5713.6	5722.3	5739.7	5742.6	5733.9	5678.8	5632.4	5649.8	5664.3
5°	5736.8	5754.2	5797.7	5838.2	5823.7	5731.0	5638.2	5635.3	5646.9
7.5°	5652.7	5693.3	5783.2	5884.6	5881.7	5722.3	5586.0	5551.3	5551.3
10°	5487.5	5525.2	5623.7	5760.0	5757.1	5557.1	5406.3	5388.9	5391.8
12.5°	5339.6	5357.0	5406.3	5513.6	5513.6	5316.5	5200.5	5217.9	5241.1
15°	5180.2	5191.8	5180.2	5215.0	5200.5	5038.2	4980.2	5035.3	5070.0
17.5°	4954.1	4959.9	4899.0	4852.6	4797.6	4696.1	4710.6	4791.8	4800.5
20°	4638.1	4675.8	4565.7	4446.8	4394.6	4299.0	4380.1	4470.0	4464.2
22.5°	4290.3	4333.7	4191.7	3994.6	3887.3	3849.6	3994.6	4075.8	4072.9
25°	3893.1	3925.0	3762.7	3487.3	3342.3	3336.6	3536.6	3620.6	3626.4
27.5°	3446.7	3458.3	3275.7	2916.2	2736.5	2780.0	3032.2	3148.1	3162.6
30°	3000.3	2994.5	2806.1	2359.6	2121.9	2240.8	2580.0	2707.5	2722.0
32.5°	2591.6	2574.2	2359.6	1826.3	1542.2	1719.0	2165.4	2298.8	2322.0
35°	2200.2	2171.2	1939.3	1350.9	1034.9	1298.7	1808.9	1924.8	1933.5
37.5°	1791.5	1777.0	1594.4	1011.7	721.8	985.6	1475.5	1559.6	1550.9
40°	1411.7	1411.7	1261.0	750.8	501.5	733.4	1168.2	1243.6	1217.5
42.5°	1107.4	1121.8	994.3	553.7	356.6	545.0	924.7	994.3	965.3
45°	892.8	892.8	782.7	411.6	231.9	405.8	730.5	794.3	788.5
47.5°	756.6	745.0	634.8	301.5	127.5	304.4	614.6	692.8	689.9
50°	675.4	658.0	545.0	237.7	89.9	252.2	539.2	611.7	614.6
52.5°	611.7	585.6	489.9	211.6	78.3	220.3	489.9	547.9	547.9
55°	542.1	527.6	440.6	188.4	69.6	197.1	440.6	492.8	489.9
57.5°	458.0	455.1	394.2	171.0	63.8	173.9	394.2	426.1	414.5
60°	373.9	385.5	342.1	153.6	58.0	156.5	336.3	362.4	356.6
62.5°	313.1	327.6	298.6	136.2	49.3	139.1	284.1	310.2	304.4
65°	260.9	272.5	249.3	116.0	43.5	116.0	234.8	258.0	258.0
67.5°	214.5	223.2	205.8	95.7	37.7	95.7	191.3	211.6	214.5
70°	171.0	176.8	162.3	75.4	31.9	78.3	150.7	171.0	171.0
72.5°	133.3	136.2	127.5	60.9	29.0	60.9	116.0	133.3	133.3
75°	95.7	101.5	95.7	46.4	26.1	46.4	89.9	98.6	101.5
77.5°	55.1	69.6	69.6	37.7	20.3	34.8	63.8	66.7	66.7
80°	37.7	43.5	49.3	26.1	14.5	26.1	40.6	43.5	40.6
82.5°	26.1	29.0	29.0	17.4	11.6	17.4	26.1	29.0	26.1
85°	14.5	20.3	20.3	14.5	8.7	11.6	14.5	17.4	14.5
87.5°	8.7	11.6	14.5	11.6	8.7	8.7	8.7	8.7	5.8
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)