

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: P799904

Luminaire Tested: **LD6C60D010 EU6609030 6LBMDDWGPB**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799904  
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 EU6609030 6LBMDDWGPH  
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH GPH FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

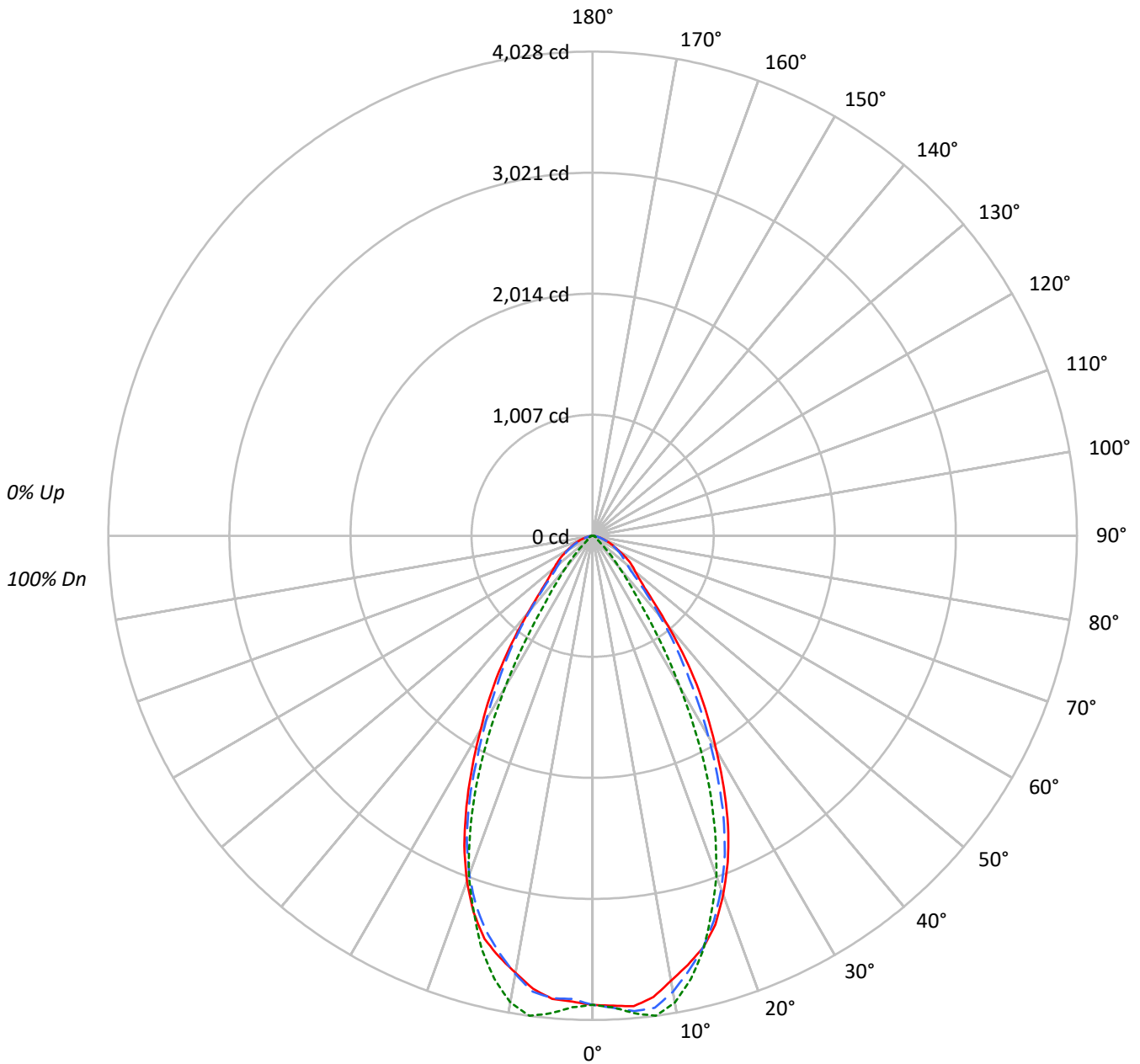
Lumens per Lamp: N/A  
Luminaire Lumens: 3973.0 lumens  
Efficiency: N/A  
Efficacy: 55.2 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (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									
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°	213936	213936	213936
5°	216173	219452	212788
10°	209170	219446	205524
15°	201318	202107	197039
20°	185283	175558	178335
25°	161253	138437	150208
30°	130052	91976	117987
35°	100826	47422	88606
40°	69180	24575	59662
45°	47400	12311	41857
50°	39444	5245	35888
55°	35478	4549	32066
60°	28079	4353	26774
65°	23180	3866	22921
70°	18769	3494	18769
75°	13873	3791	14721
80°	8145	3125	8776
85°	6227	3774	6227



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	371.5	9.4
10°-20°	975.0	24.5
20°-30°	1112.9	28.0
30°-40°	738.1	18.6
40°-50°	356.0	9.0
50°-60°	219.0	5.5
60°-70°	132.5	3.3
70°-80°	55.8	1.4
80°-90°	12.3	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°	2459.4	61.9
0°-40°	3197.5	80.5
0°-60°	3772.4	95.0
0°-90°	3973.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3973.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	3902	3902	3902	3902	3902	
5°	3928	3970	3988	3861	3867	369
15°	3547	3547	3561	3410	3472	989
25°	2666	2576	2289	2422	2483	1209
35°	1507	1328	709	1239	1324	932
45°	611	536	159	500	540	499
55°	371	302	48	302	336	326
65°	179	171	30	161	177	179
75°	66	66	18	62	70	70
85°	10	14	6	10	10	13
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°	3902.5	3902.5	3902.5	3902.5	3902.5	3902.5	3902.5	3902.5	3902.5
2.5°	3912.5	3918.4	3930.3	3932.3	3926.4	3888.6	3856.9	3868.8	3878.7
5°	3928.3	3940.2	3970.0	3997.8	3987.9	3924.4	3860.8	3858.9	3866.8
7.5°	3870.8	3898.6	3960.1	4029.6	4027.6	3918.4	3825.1	3801.3	3801.3
10°	3757.6	3783.4	3850.9	3944.2	3942.2	3805.3	3702.0	3690.1	3692.1
12.5°	3656.4	3668.3	3702.0	3775.5	3775.5	3640.5	3561.1	3573.0	3588.9
15°	3547.2	3555.2	3547.2	3571.0	3561.1	3450.0	3410.3	3448.0	3471.8
17.5°	3392.4	3396.4	3354.7	3322.9	3285.2	3215.7	3225.6	3281.2	3287.2
20°	3176.0	3201.8	3126.4	3045.0	3009.3	2943.8	2999.4	3060.9	3056.9
22.5°	2937.8	2967.6	2870.3	2735.3	2661.9	2636.1	2735.3	2790.9	2788.9
25°	2665.9	2687.7	2576.5	2388.0	2288.7	2284.7	2421.7	2479.3	2483.3
27.5°	2360.2	2368.1	2243.1	1996.9	1873.9	1903.6	2076.3	2155.7	2165.6
30°	2054.5	2050.5	1921.5	1615.8	1453.0	1534.4	1766.7	1854.0	1863.9
32.5°	1774.6	1762.7	1615.8	1250.6	1056.0	1177.1	1482.8	1574.1	1590.0
35°	1506.6	1486.8	1328.0	925.0	708.6	889.3	1238.6	1318.0	1324.0
37.5°	1226.7	1216.8	1091.8	692.8	494.3	674.9	1010.4	1067.9	1062.0
40°	966.7	966.7	863.5	514.1	343.4	502.2	800.0	851.6	833.7
42.5°	758.3	768.2	680.9	379.1	244.2	373.2	633.2	680.9	661.0
45°	611.4	611.4	536.0	281.9	158.8	277.9	500.2	543.9	539.9
47.5°	518.1	510.1	434.7	206.4	87.3	208.4	420.8	474.4	472.4
50°	462.5	450.6	373.2	162.8	61.5	172.7	369.2	418.8	420.8
52.5°	418.8	401.0	335.5	144.9	53.6	150.9	335.5	375.2	375.2
55°	371.2	361.3	301.7	129.0	47.6	135.0	301.7	337.5	335.5
57.5°	313.6	311.6	270.0	117.1	43.7	119.1	270.0	291.8	283.9
60°	256.1	264.0	234.2	105.2	39.7	107.2	230.3	248.1	244.2
62.5°	214.4	224.3	204.5	93.3	33.7	95.3	194.5	212.4	208.4
65°	178.7	186.6	170.7	79.4	29.8	79.4	160.8	176.7	176.7
67.5°	146.9	152.8	140.9	65.5	25.8	65.5	131.0	144.9	146.9
70°	117.1	121.1	111.2	51.6	21.8	53.6	103.2	117.1	117.1
72.5°	91.3	93.3	87.3	41.7	19.9	41.7	79.4	91.3	91.3
75°	65.5	69.5	65.5	31.8	17.9	31.8	61.5	67.5	69.5
77.5°	37.7	47.6	47.6	25.8	13.9	23.8	43.7	45.7	45.7
80°	25.8	29.8	33.7	17.9	9.9	17.9	27.8	29.8	27.8
82.5°	17.9	19.9	19.9	11.9	7.9	11.9	17.9	19.9	17.9
85°	9.9	13.9	13.9	9.9	6.0	7.9	9.9	11.9	9.9
87.5°	6.0	7.9	9.9	7.9	6.0	6.0	6.0	6.0	4.0
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)