

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: P799916

Luminaire Tested: **LD6C60D010 EU6609035 6LBMDDWGPB**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799916  
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 EU6609035 6LBMDDWGPH  
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH GPH FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

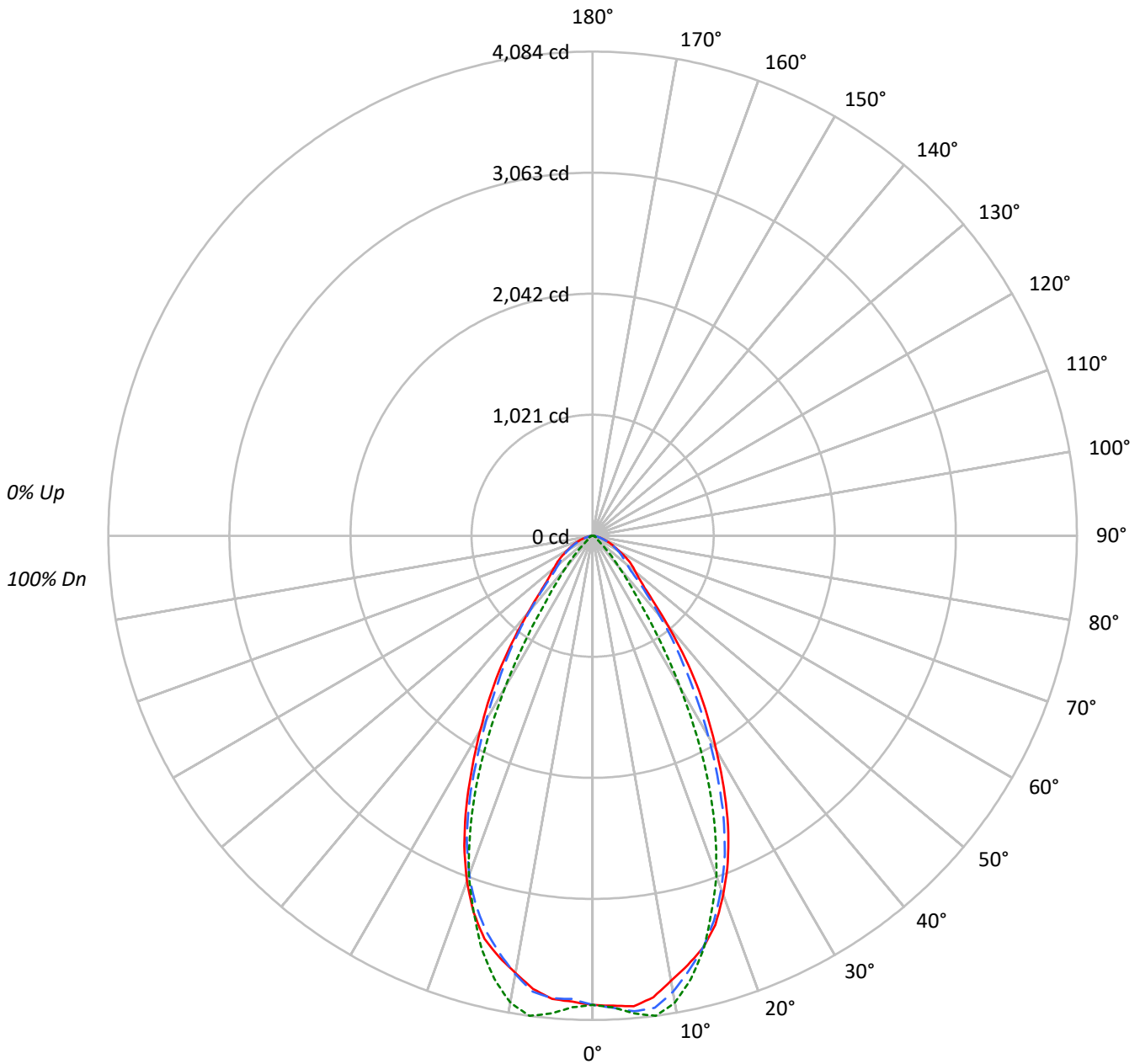
Lumens per Lamp: N/A  
Luminaire Lumens: 4029.0 lumens  
Efficiency: N/A  
Efficacy: 56.0 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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				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°	216951	216951	216951
5°	219221	222545	215787
10°	212120	222541	208424
15°	204156	204956	199814
20°	187896	178031	180849
25°	163522	140391	152325
30°	131881	93274	119651
35°	102252	48091	89858
40°	70153	24918	60506
45°	48067	12482	42446
50°	39999	5322	36400
55°	35975	4616	32515
60°	28474	4419	27147
65°	23504	3917	23245
70°	19042	3542	19042
75°	14064	3834	14933
80°	8271	3189	8903
85°	6353	3774	6353



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	376.7	9.4
10°-20°	988.8	24.5
20°-30°	1128.6	28.0
30°-40°	748.5	18.6
40°-50°	361.0	9.0
50°-60°	222.1	5.5
60°-70°	134.4	3.3
70°-80°	56.5	1.4
80°-90°	12.5	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°	2494.1	61.9
0°-40°	3242.6	80.5
0°-60°	3825.6	95.0
0°-90°	4029.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4029.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	3958	3958	3958	3958	3958	
5°	3984	4026	4044	3915	3921	374
15°	3597	3597	3611	3458	3521	1002
25°	2703	2613	2321	2456	2518	1226
35°	1528	1347	719	1256	1343	945
45°	620	544	161	507	548	506
55°	376	306	48	306	340	331
65°	181	173	30	163	179	182
75°	66	66	18	62	70	71
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°	3957.5	3957.5	3957.5	3957.5	3957.5	3957.5	3957.5	3957.5	3957.5
2.5°	3967.6	3973.6	3985.7	3987.7	3981.7	3943.5	3911.2	3923.3	3933.4
5°	3983.7	3995.8	4026.0	4054.2	4044.1	3979.7	3915.3	3913.3	3921.3
7.5°	3925.3	3953.5	4015.9	4086.4	4084.4	3973.6	3879.0	3854.9	3854.9
10°	3810.6	3836.8	3905.2	3999.8	3997.8	3858.9	3754.2	3742.2	3744.2
12.5°	3707.9	3720.0	3754.2	3828.7	3828.7	3691.8	3611.3	3623.4	3639.5
15°	3597.2	3605.3	3597.2	3621.4	3611.3	3498.6	3458.3	3496.6	3520.7
17.5°	3440.2	3444.2	3402.0	3369.7	3331.5	3261.0	3271.1	3327.5	3333.5
20°	3220.8	3247.0	3170.5	3087.9	3051.7	2985.3	3041.6	3104.0	3100.0
22.5°	2979.2	3009.4	2910.8	2773.9	2699.4	2673.3	2773.9	2830.3	2828.3
25°	2703.4	2725.6	2612.9	2421.6	2321.0	2317.0	2455.8	2514.2	2518.3
27.5°	2393.4	2401.5	2274.7	2025.1	1900.3	1930.5	2105.6	2186.1	2196.2
30°	2083.4	2079.4	1948.6	1638.6	1473.5	1556.0	1791.6	1880.1	1890.2
32.5°	1799.6	1787.5	1638.6	1268.2	1070.9	1193.7	1503.7	1596.3	1612.4
35°	1527.9	1507.7	1346.7	938.1	718.6	901.8	1256.1	1336.6	1342.7
37.5°	1244.0	1234.0	1107.1	702.5	501.2	684.4	1024.6	1083.0	1077.0
40°	980.3	980.3	875.7	521.4	348.2	509.3	811.2	863.6	845.5
42.5°	769.0	779.0	690.5	384.5	247.6	378.4	642.1	690.5	670.3
45°	620.0	620.0	543.5	285.8	161.0	281.8	507.3	551.6	547.5
47.5°	525.4	517.3	440.8	209.4	88.6	211.4	426.8	481.1	479.1
50°	469.0	456.9	378.4	165.1	62.4	175.1	374.4	424.7	426.8
52.5°	424.7	406.6	340.2	146.9	54.4	153.0	340.2	380.5	380.5
55°	376.4	366.4	306.0	130.8	48.3	136.9	306.0	342.2	340.2
57.5°	318.1	316.0	273.8	118.8	44.3	120.8	273.8	295.9	287.9
60°	259.7	267.7	237.5	106.7	40.3	108.7	233.5	251.6	247.6
62.5°	217.4	227.5	207.3	94.6	34.2	96.6	197.3	215.4	211.4
65°	181.2	189.2	173.1	80.5	30.2	80.5	163.1	179.2	179.2
67.5°	149.0	155.0	142.9	66.4	26.2	66.4	132.9	146.9	149.0
70°	118.8	122.8	112.7	52.3	22.1	54.4	104.7	118.8	118.8
72.5°	92.6	94.6	88.6	42.3	20.1	42.3	80.5	92.6	92.6
75°	66.4	70.5	66.4	32.2	18.1	32.2	62.4	68.4	70.5
77.5°	38.2	48.3	48.3	26.2	14.1	24.2	44.3	46.3	46.3
80°	26.2	30.2	34.2	18.1	10.1	18.1	28.2	30.2	28.2
82.5°	18.1	20.1	20.1	12.1	8.1	12.1	18.1	20.1	18.1
85°	10.1	14.1	14.1	10.1	6.0	8.1	10.1	12.1	10.1
87.5°	6.0	8.1	10.1	8.1	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)