

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: P799919

Luminaire Tested: **LD6C60D010 EU6609035 6LBMDDWMW**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799919  
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 6LBMDDWMW  
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH MW FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

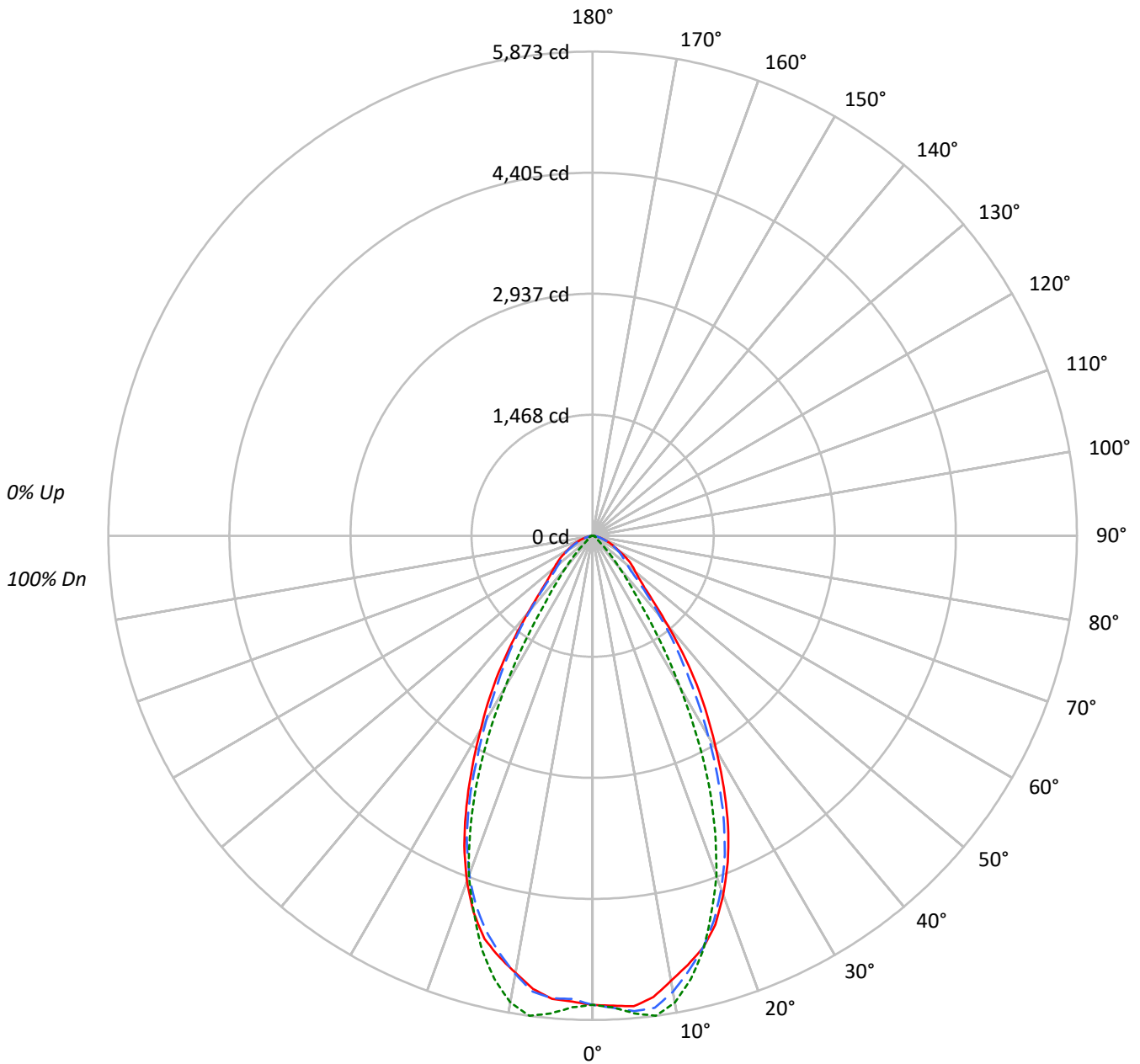
Lumens per Lamp: N/A  
Luminaire Lumens: 5793.0 lumens  
Efficiency: N/A  
Efficacy: 80.5 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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°	311943	311943	311943
5°	315204	319980	310268
10°	304993	319973	299677
15°	293543	294690	287300
20°	270159	255977	260032
25°	235120	201858	219013
30°	189624	134116	172039
35°	147017	69152	129195
40°	100868	35831	86992
45°	69116	17948	61037
50°	57516	7650	52331
55°	51726	6643	46746
60°	40940	6348	39032
65°	33791	5630	33415
70°	27376	5097	27376
75°	20228	5507	21456
80°	11870	4578	12786
85°	9120	5472	9120



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	541.7	9.4
10°-20°	1421.7	24.5
20°-30°	1622.7	28.0
30°-40°	1076.2	18.6
40°-50°	519.0	9.0
50°-60°	319.3	5.5
60°-70°	193.2	3.3
70°-80°	81.3	1.4
80°-90°	17.9	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°	3586.1	61.9
0°-40°	4662.2	80.5
0°-60°	5500.6	95.0
0°-90°	5793.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5793.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	5690	5690	5690	5690	5690	
5°	5728	5789	5815	5630	5638	538
15°	5172	5172	5192	4972	5062	1441
25°	3887	3757	3337	3531	3621	1763
35°	2197	1936	1033	1806	1930	1359
45°	892	782	232	729	787	727
55°	541	440	70	440	489	476
65°	260	249	43	234	258	262
75°	96	96	26	90	101	102
85°	14	20	9	14	14	18
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°	5690.3	5690.3	5690.3	5690.3	5690.3	5690.3	5690.3	5690.3	5690.3
2.5°	5704.7	5713.4	5730.8	5733.7	5725.0	5670.0	5623.7	5641.1	5655.5
5°	5727.9	5745.2	5788.7	5829.2	5814.7	5722.1	5629.5	5626.6	5638.2
7.5°	5643.9	5684.5	5774.2	5875.5	5872.6	5713.4	5577.4	5542.6	5542.6
10°	5479.0	5516.6	5615.0	5751.0	5748.1	5548.4	5397.9	5380.6	5383.5
12.5°	5331.4	5348.7	5397.9	5505.0	5505.0	5308.2	5192.4	5209.8	5233.0
15°	5172.2	5183.7	5172.2	5206.9	5192.4	5030.3	4972.5	5027.5	5062.2
17.5°	4946.4	4952.2	4891.4	4845.1	4790.1	4688.8	4703.3	4784.3	4793.0
20°	4630.9	4668.6	4558.6	4439.9	4387.8	4292.3	4373.3	4463.1	4457.3
22.5°	4283.6	4327.0	4185.2	3988.4	3881.3	3843.7	3988.4	4069.4	4066.5
25°	3887.1	3918.9	3756.8	3481.9	3337.2	3331.4	3531.1	3615.0	3620.8
27.5°	3441.4	3452.9	3270.6	2911.7	2732.2	2775.7	3027.5	3143.2	3157.7
30°	2995.6	2989.8	2801.7	2356.0	2118.7	2237.3	2576.0	2703.3	2717.8
32.5°	2587.5	2570.2	2356.0	1823.4	1539.8	1716.3	2162.1	2295.2	2318.4
35°	2196.8	2167.9	1936.3	1348.8	1033.3	1296.7	1806.1	1921.8	1930.5
37.5°	1788.7	1774.2	1591.9	1010.1	720.7	984.1	1473.2	1557.2	1548.5
40°	1409.5	1409.5	1259.0	749.6	500.7	732.3	1166.4	1241.7	1215.6
42.5°	1105.6	1120.1	992.8	552.8	356.0	544.1	923.3	992.8	963.8
45°	891.5	891.5	781.5	411.0	231.5	405.2	729.4	793.0	787.3
47.5°	755.4	743.8	633.9	301.0	127.4	303.9	613.6	691.7	688.9
50°	674.4	657.0	544.1	237.3	89.7	251.8	538.3	610.7	613.6
52.5°	610.7	584.7	489.1	211.3	78.1	220.0	489.1	547.0	547.0
55°	541.2	526.8	439.9	188.1	69.5	196.8	439.9	492.0	489.1
57.5°	457.3	454.4	393.6	170.8	63.7	173.7	393.6	425.5	413.9
60°	373.4	384.9	341.5	153.4	57.9	156.3	335.7	361.8	356.0
62.5°	312.6	327.1	298.1	136.0	49.2	138.9	283.6	309.7	303.9
65°	260.5	272.1	248.9	115.8	43.4	115.8	234.4	257.6	257.6
67.5°	214.2	222.9	205.5	95.5	37.6	95.5	191.0	211.3	214.2
70°	170.8	176.6	162.1	75.3	31.8	78.1	150.5	170.8	170.8
72.5°	133.1	136.0	127.4	60.8	28.9	60.8	115.8	133.1	133.1
75°	95.5	101.3	95.5	46.3	26.0	46.3	89.7	98.4	101.3
77.5°	55.0	69.5	69.5	37.6	20.3	34.7	63.7	66.6	66.6
80°	37.6	43.4	49.2	26.0	14.5	26.0	40.5	43.4	40.5
82.5°	26.0	28.9	28.9	17.4	11.6	17.4	26.0	28.9	26.0
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)