

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: P800037

Luminaire Tested: **LD6C70D010 EU6709035 6LBMDDWH**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P800037  
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: LD6C70D010 EU6709035 6LBMDDWH  
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

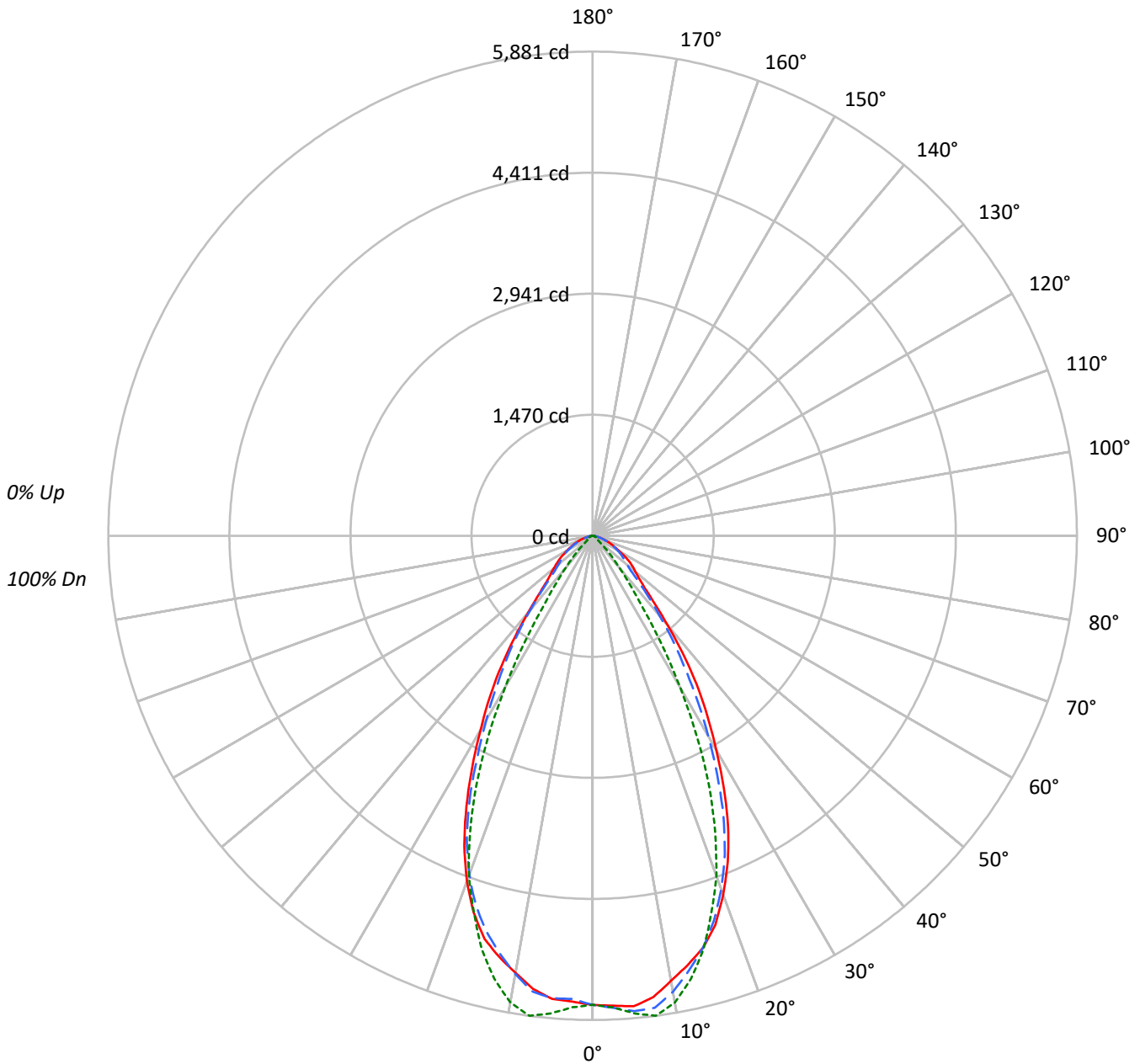
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5801.0 lumens  
Efficiency: N/A  
Efficacy: 74.4 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): 78  
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°	312371	312371	312371
5°	315639	320421	310691
10°	305411	320418	300089
15°	293946	295098	287697
20°	270533	256333	260388
25°	235447	202137	219315
30°	189890	134299	172273
35°	147217	69245	129376
40°	101011	35882	87113
45°	69209	17979	61115
50°	57593	7659	52399
55°	51802	6652	46813
60°	40995	6359	39087
65°	33830	5643	33467
70°	27408	5113	27408
75°	20249	5528	21477
80°	11902	4578	12817
85°	9120	5472	9120



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	542.4	9.4
10°-20°	1423.6	24.5
20°-30°	1625.0	28.0
30°-40°	1077.6	18.6
40°-50°	519.8	9.0
50°-60°	319.7	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°	3591.0	61.9
0°-40°	4668.7	80.5
0°-60°	5508.2	95.0
0°-90°	5801.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5801.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	5698	5698	5698	5698	5698	
5°	5736	5797	5823	5637	5646	539
15°	5179	5179	5200	4979	5069	1443
25°	3892	3762	3342	3536	3626	1765
35°	2200	1939	1035	1809	1933	1361
45°	893	782	232	730	788	728
55°	542	440	70	440	490	476
65°	261	249	44	235	258	262
75°	96	96	26	90	101	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°	5698.1	5698.1	5698.1	5698.1	5698.1	5698.1	5698.1	5698.1	5698.1
2.5°	5712.6	5721.3	5738.7	5741.6	5732.9	5677.8	5631.5	5648.8	5663.3
5°	5735.8	5753.2	5796.7	5837.2	5822.7	5730.0	5637.2	5634.4	5645.9
7.5°	5651.7	5692.3	5782.2	5883.6	5880.7	5721.3	5585.1	5550.3	5550.3
10°	5486.5	5524.2	5622.8	5759.0	5756.1	5556.1	5405.4	5388.0	5390.9
12.5°	5338.7	5356.1	5405.4	5512.6	5512.6	5315.5	5199.6	5217.0	5240.2
15°	5179.3	5190.9	5179.3	5214.1	5199.6	5037.3	4979.3	5034.4	5069.2
17.5°	4953.2	4959.0	4898.2	4851.8	4796.7	4695.3	4709.8	4790.9	4799.6
20°	4637.3	4675.0	4564.9	4446.0	4393.9	4298.2	4379.4	4469.2	4463.4
22.5°	4289.5	4333.0	4191.0	3993.9	3886.7	3849.0	3993.9	4075.0	4072.2
25°	3892.5	3924.3	3762.0	3486.7	3341.8	3336.0	3536.0	3620.0	3625.8
27.5°	3446.1	3457.7	3275.1	2915.7	2736.0	2779.5	3031.7	3147.6	3162.1
30°	2999.8	2994.0	2805.6	2359.2	2121.6	2240.4	2579.5	2707.0	2721.5
32.5°	2591.1	2573.7	2359.2	1825.9	1541.9	1718.7	2165.1	2298.4	2321.6
35°	2199.8	2170.8	1939.0	1350.6	1034.7	1298.5	1808.6	1924.5	1933.2
37.5°	1791.2	1776.7	1594.1	1011.5	721.7	985.4	1475.2	1559.3	1550.6
40°	1411.5	1411.5	1260.8	750.7	501.4	733.3	1168.0	1243.4	1217.3
42.5°	1107.2	1121.7	994.1	553.6	356.5	544.9	924.6	994.1	965.1
45°	892.7	892.7	782.5	411.6	231.9	405.8	730.4	794.1	788.3
47.5°	756.5	744.9	634.7	301.4	127.5	304.3	614.4	692.7	689.8
50°	675.3	657.9	544.9	237.7	89.8	252.2	539.1	611.5	614.4
52.5°	611.5	585.5	489.8	211.6	78.3	220.3	489.8	547.8	547.8
55°	542.0	527.5	440.5	188.4	69.6	197.1	440.5	492.7	489.8
57.5°	457.9	455.0	394.2	171.0	63.8	173.9	394.2	426.1	414.5
60°	373.9	385.5	342.0	153.6	58.0	156.5	336.2	362.3	356.5
62.5°	313.0	327.5	298.5	136.2	49.3	139.1	284.0	310.1	304.3
65°	260.8	272.4	249.3	115.9	43.5	115.9	234.8	258.0	258.0
67.5°	214.5	223.2	205.8	95.6	37.7	95.6	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	115.9	133.3	133.3
75°	95.6	101.4	95.6	46.4	26.1	46.4	89.8	98.5	101.4
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)