

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: P800014

Luminaire Tested: **LD6C70D010 EU6709027 6LBMDDWLI**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P800014  
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 EU6709027 6LBMDDWLI  
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

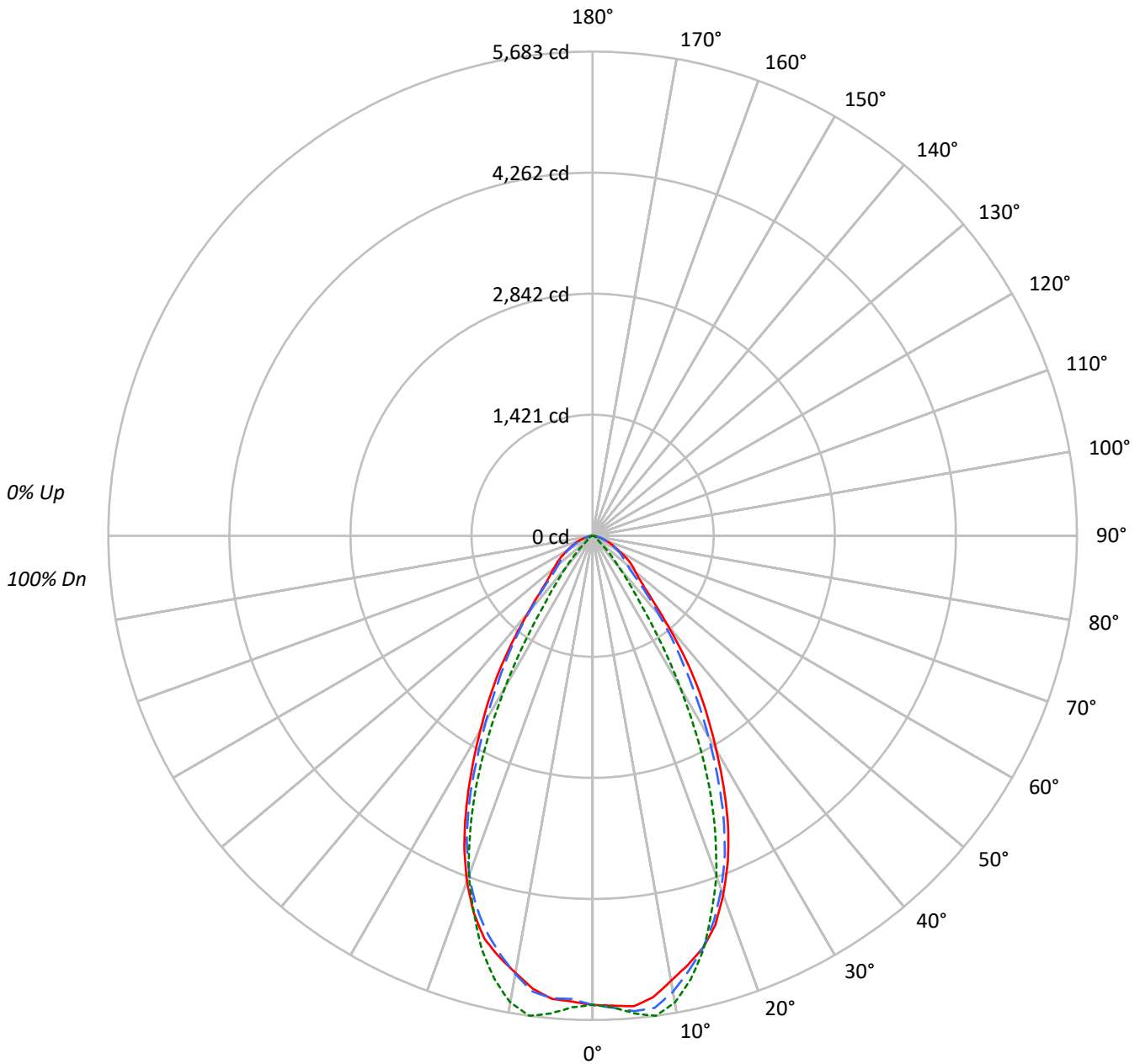
Lumens per Lamp: N/A  
Luminaire Lumens: 5606.0 lumens  
Efficiency: N/A  
Efficacy: 71.9 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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				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			
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°	301873	301873	301873
5°	305029	309651	300252
10°	295146	309647	290002
15°	284065	285178	278027
20°	261438	247717	251637
25°	227529	195338	211942
30°	183503	129786	166481
35°	142272	66916	125026
40°	97611	34679	84186
45°	66883	17374	59060
50°	55657	7403	50642
55°	50063	6423	45246
60°	39613	6140	37771
65°	32701	5448	32338
70°	26495	4937	26495
75°	19571	5338	20757
80°	11491	4420	12375
85°	8806	5284	8806



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	524.2	9.4
10°-20°	1375.8	24.5
20°-30°	1570.4	28.0
30°-40°	1041.4	18.6
40°-50°	502.3	9.0
50°-60°	309.0	5.5
60°-70°	187.0	3.3
70°-80°	78.6	1.4
80°-90°	17.4	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°	3470.3	61.9
0°-40°	4511.7	80.5
0°-60°	5323.0	95.0
0°-90°	5606.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5606.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	5507	5507	5507	5507	5507	
5°	5543	5602	5627	5448	5456	521
15°	5005	5005	5025	4812	4899	1395
25°	3762	3636	3229	3417	3504	1706
35°	2126	1874	1000	1748	1868	1315
45°	863	756	224	706	762	704
55°	524	426	67	426	473	460
65°	252	241	42	227	249	253
75°	92	92	25	87	98	99
85°	14	20	8	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°	5506.6	5506.6	5506.6	5506.6	5506.6	5506.6	5506.6	5506.6	5506.6
2.5°	5520.6	5529.0	5545.8	5548.6	5540.2	5487.0	5442.2	5459.0	5473.0
5°	5543.0	5559.8	5601.8	5641.0	5627.0	5537.4	5447.8	5445.0	5456.2
7.5°	5461.8	5501.0	5587.8	5685.8	5683.0	5529.0	5397.3	5363.7	5363.7
10°	5302.1	5338.5	5433.7	5565.4	5562.6	5369.3	5223.7	5206.9	5209.7
12.5°	5159.3	5176.1	5223.7	5327.3	5327.3	5136.9	5024.8	5041.6	5064.0
15°	5005.2	5016.4	5005.2	5038.8	5024.8	4868.0	4811.9	4865.2	4898.8
17.5°	4786.7	4792.3	4733.5	4688.7	4635.5	4537.5	4551.5	4629.9	4638.3
20°	4481.4	4517.9	4411.4	4296.6	4246.2	4153.7	4232.2	4319.0	4313.4
22.5°	4145.3	4187.3	4050.1	3859.6	3756.0	3719.6	3859.6	3938.1	3935.3
25°	3761.6	3792.4	3635.6	3369.5	3229.4	3223.8	3417.1	3498.3	3503.9
27.5°	3330.3	3341.5	3165.0	2817.7	2644.1	2686.1	2929.7	3041.8	3055.8
30°	2898.9	2893.3	2711.3	2279.9	2050.3	2165.1	2492.8	2616.0	2630.0
32.5°	2504.0	2487.2	2279.9	1764.6	1490.1	1660.9	2092.3	2221.1	2243.5
35°	2125.9	2097.9	1873.8	1305.2	999.9	1254.8	1747.8	1859.8	1868.2
37.5°	1731.0	1717.0	1540.5	977.5	697.4	952.3	1425.7	1506.9	1498.5
40°	1364.0	1364.0	1218.4	725.4	484.6	708.6	1128.8	1201.6	1176.4
42.5°	1069.9	1083.9	960.7	535.0	344.5	526.6	893.5	960.7	932.7
45°	862.7	862.7	756.2	397.7	224.1	392.1	705.8	767.4	761.8
47.5°	731.0	719.8	613.4	291.3	123.2	294.1	593.8	669.4	666.6
50°	652.6	635.8	526.6	229.7	86.8	243.7	521.0	591.0	593.8
52.5°	591.0	565.8	473.4	204.5	75.6	212.9	473.4	529.4	529.4
55°	523.8	509.8	425.7	182.1	67.2	190.5	425.7	476.2	473.4
57.5°	442.5	439.7	380.9	165.3	61.6	168.1	380.9	411.7	400.5
60°	361.3	372.5	330.5	148.4	56.0	151.2	324.9	350.1	344.5
62.5°	302.5	316.5	288.5	131.6	47.6	134.4	274.5	299.7	294.1
65°	252.1	263.3	240.9	112.0	42.0	112.0	226.9	249.3	249.3
67.5°	207.3	215.7	198.9	92.4	36.4	92.4	184.9	204.5	207.3
70°	165.3	170.9	156.9	72.8	30.8	75.6	145.6	165.3	165.3
72.5°	128.8	131.6	123.2	58.8	28.0	58.8	112.0	128.8	128.8
75°	92.4	98.0	92.4	44.8	25.2	44.8	86.8	95.2	98.0
77.5°	53.2	67.2	67.2	36.4	19.6	33.6	61.6	64.4	64.4
80°	36.4	42.0	47.6	25.2	14.0	25.2	39.2	42.0	39.2
82.5°	25.2	28.0	28.0	16.8	11.2	16.8	25.2	28.0	25.2
85°	14.0	19.6	19.6	14.0	8.4	11.2	14.0	16.8	14.0
87.5°	8.4	11.2	14.0	11.2	8.4	8.4	8.4	8.4	5.6
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)