

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: P800013

Luminaire Tested: **LD6C70D010 EU6709027 6LBMDDWH**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P800013  
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 6LBMDDWH  
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

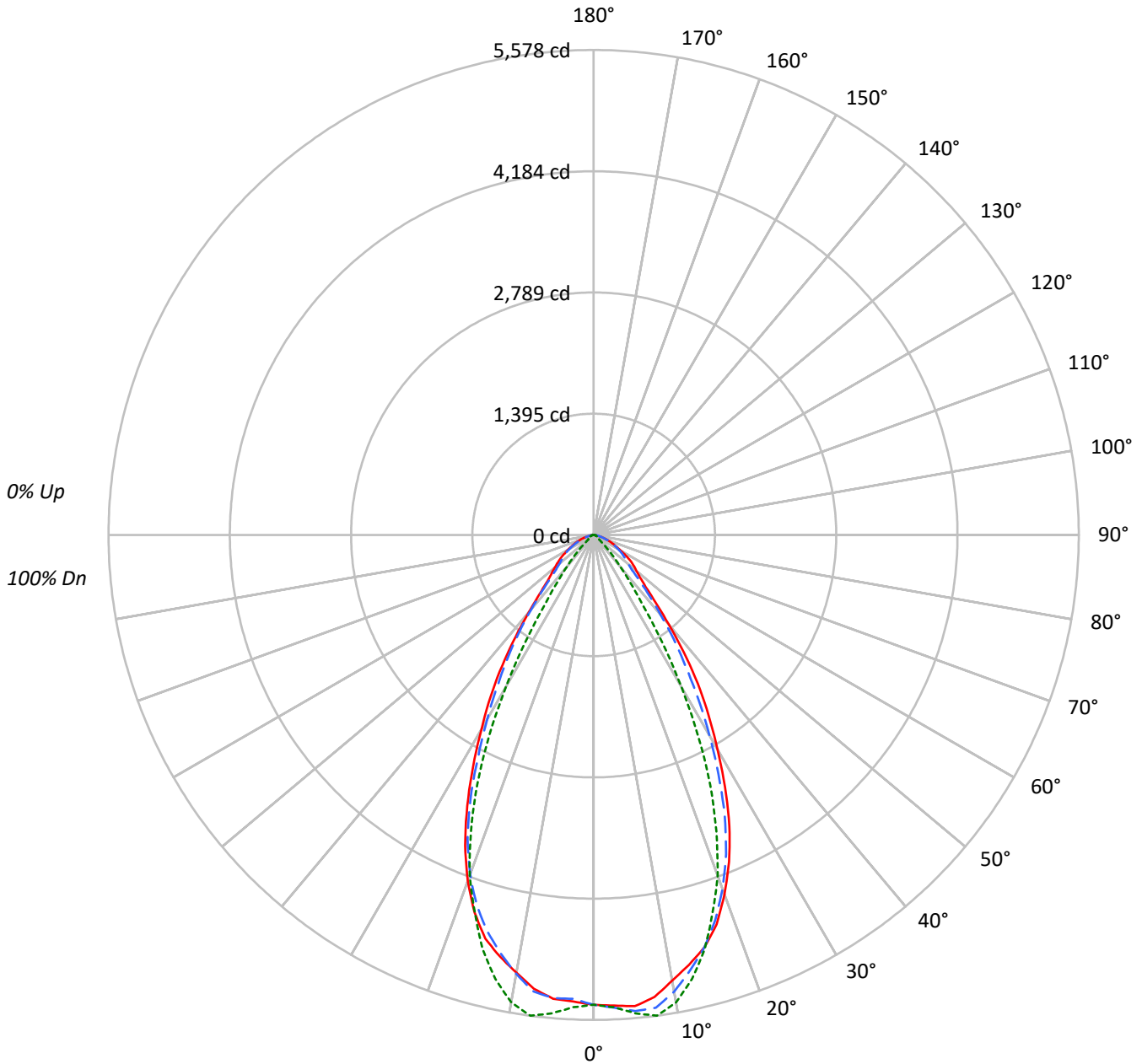
Lumens per Lamp: N/A  
Luminaire Lumens: 5502.0 lumens  
Efficiency: N/A  
Efficacy: 70.5 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 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			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°	296270	296270	296270
5°	299372	303906	294678
10°	289668	303902	284620
15°	278798	279888	272868
20°	256590	243119	246970
25°	223307	191715	208010
30°	180104	127374	163399
35°	139628	65678	122703
40°	95801	34035	82626
45°	65642	17048	57967
50°	54625	7266	49704
55°	49136	6308	44405
60°	38878	6030	37069
65°	32092	5344	31741
70°	25998	4841	25998
75°	19211	5232	20376
80°	11270	4325	12154
85°	8617	5158	8617



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	514.4	9.4
10°-20°	1350.3	24.5
20°-30°	1541.2	28.0
30°-40°	1022.1	18.6
40°-50°	493.0	9.0
50°-60°	303.3	5.5
60°-70°	183.5	3.3
70°-80°	77.2	1.4
80°-90°	17.0	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°	3405.9	61.9
0°-40°	4428.0	80.5
0°-60°	5224.3	95.0
0°-90°	5502.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5502.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	5404	5404	5404	5404	5404	
5°	5440	5498	5523	5347	5355	511
15°	4912	4912	4932	4723	4808	1369
25°	3692	3568	3170	3354	3439	1674
35°	2086	1839	981	1715	1834	1290
45°	847	742	220	693	748	690
55°	514	418	66	418	465	452
65°	247	236	41	223	245	248
75°	91	91	25	85	96	97
85°	14	19	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°	5404.4	5404.4	5404.4	5404.4	5404.4	5404.4	5404.4	5404.4	5404.4
2.5°	5418.2	5426.4	5442.9	5445.7	5437.4	5385.2	5341.2	5357.7	5371.4
5°	5440.2	5456.6	5497.9	5536.4	5522.6	5434.7	5346.7	5343.9	5354.9
7.5°	5360.4	5398.9	5484.1	5580.3	5577.6	5426.4	5297.2	5264.2	5264.2
10°	5203.7	5239.5	5332.9	5462.1	5459.4	5269.7	5126.8	5110.3	5113.0
12.5°	5063.5	5080.0	5126.8	5228.5	5228.5	5041.6	4931.6	4948.1	4970.1
15°	4912.4	4923.4	4912.4	4945.3	4931.6	4777.7	4722.7	4774.9	4807.9
17.5°	4697.9	4703.4	4645.7	4601.7	4549.5	4453.3	4467.0	4544.0	4552.2
20°	4398.3	4434.0	4329.6	4216.9	4167.4	4076.7	4153.6	4238.9	4233.4
22.5°	4068.4	4109.7	3975.0	3788.0	3686.3	3650.6	3788.0	3865.0	3862.3
25°	3691.8	3722.1	3568.1	3307.0	3169.5	3164.0	3353.7	3433.4	3438.9
27.5°	3268.5	3279.5	3106.3	2765.4	2595.0	2636.2	2875.4	2985.3	2999.1
30°	2845.2	2839.7	2661.0	2237.6	2012.2	2124.9	2446.6	2567.5	2581.3
32.5°	2457.6	2441.1	2237.6	1731.8	1462.4	1630.1	2053.5	2179.9	2201.9
35°	2086.4	2059.0	1839.0	1281.0	981.4	1231.5	1715.3	1825.3	1833.5
37.5°	1698.8	1685.1	1511.9	959.4	684.5	934.6	1399.2	1478.9	1470.7
40°	1338.7	1338.7	1195.8	712.0	475.6	695.5	1107.8	1179.3	1154.6
42.5°	1050.1	1063.8	942.9	525.0	338.1	516.8	876.9	942.9	915.4
45°	846.7	846.7	742.2	390.3	219.9	384.9	692.7	753.2	747.7
47.5°	717.5	706.5	602.0	285.9	121.0	288.6	582.8	657.0	654.2
50°	640.5	624.0	516.8	225.4	85.2	239.2	511.3	580.0	582.8
52.5°	580.0	555.3	464.6	200.7	74.2	208.9	464.6	519.5	519.5
55°	514.1	500.3	417.8	178.7	66.0	186.9	417.8	467.3	464.6
57.5°	434.3	431.6	373.9	162.2	60.5	164.9	373.9	404.1	393.1
60°	354.6	365.6	324.4	145.7	55.0	148.4	318.9	343.6	338.1
62.5°	296.9	310.6	283.1	129.2	46.7	131.9	269.4	294.1	288.6
65°	247.4	258.4	236.4	110.0	41.2	110.0	222.7	244.7	244.7
67.5°	203.4	211.7	195.2	90.7	35.7	90.7	181.4	200.7	203.4
70°	162.2	167.7	153.9	71.5	30.2	74.2	142.9	162.2	162.2
72.5°	126.5	129.2	121.0	57.7	27.5	57.7	110.0	126.5	126.5
75°	90.7	96.2	90.7	44.0	24.7	44.0	85.2	93.5	96.2
77.5°	52.2	66.0	66.0	35.7	19.2	33.0	60.5	63.2	63.2
80°	35.7	41.2	46.7	24.7	13.7	24.7	38.5	41.2	38.5
82.5°	24.7	27.5	27.5	16.5	11.0	16.5	24.7	27.5	24.7
85°	13.7	19.2	19.2	13.7	8.2	11.0	13.7	16.5	13.7
87.5°	8.2	11.0	13.7	11.0	8.2	8.2	8.2	8.2	5.5
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)