

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: P800027

Luminaire Tested: **LD6C70D010 EU6709030 6LBMDDWMW**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P800027  
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 EU6709030 6LBMDDWMW  
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH MW FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

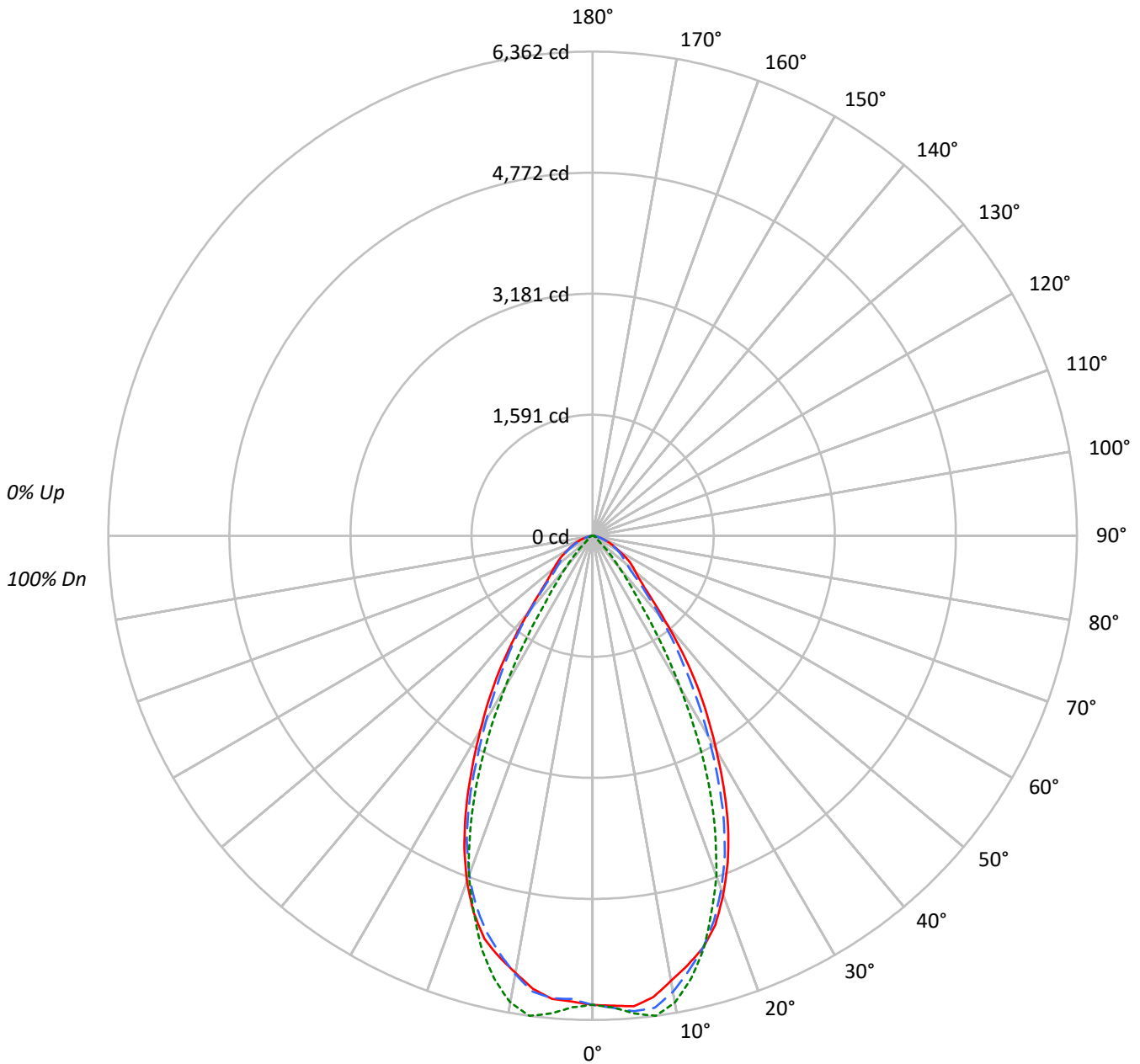
Lumens per Lamp: N/A  
Luminaire Lumens: 6276.0 lumens  
Efficiency: N/A  
Efficacy: 80.5 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 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°	337950	337950	337950
5°	341486	346659	336132
10°	330421	346654	324660
15°	318015	319264	311256
20°	292684	277317	281710
25°	254724	218686	237274
30°	205437	145295	186383
35°	159277	74914	139970
40°	109283	38823	94248
45°	74876	19452	66123
50°	62309	8290	56697
55°	56046	7197	50646
60°	44350	6874	42288
65°	36606	6097	36204
70°	29652	5530	29652
75°	21922	5973	23235
80°	12880	4956	13859
85°	9875	5913	9875



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	586.8	9.4
10°-20°	1540.2	24.5
20°-30°	1758.0	28.0
30°-40°	1165.9	18.6
40°-50°	562.3	9.0
50°-60°	345.9	5.5
60°-70°	209.3	3.3
70°-80°	88.1	1.4
80°-90°	19.4	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°	3885.1	61.9
0°-40°	5051.0	80.5
0°-60°	5959.2	95.0
0°-90°	6276.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6276.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	6165	6165	6165	6165	6165	
5°	6206	6271	6300	6099	6108	583
15°	5603	5603	5625	5387	5484	1562
25°	4211	4070	3615	3826	3923	1910
35°	2380	2098	1119	1957	2092	1472
45°	966	847	251	790	853	788
55°	586	477	75	477	530	516
65°	282	270	47	254	279	283
75°	104	104	28	97	110	111
85°	16	22	9	16	16	20
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°	6164.7	6164.7	6164.7	6164.7	6164.7	6164.7	6164.7	6164.7	6164.7
2.5°	6180.4	6189.8	6208.6	6211.7	6202.3	6142.7	6092.6	6111.4	6127.1
5°	6205.5	6224.3	6271.3	6315.2	6299.5	6199.2	6098.8	6095.7	6108.2
7.5°	6114.5	6158.4	6255.6	6365.4	6362.2	6189.8	6042.4	6004.8	6004.8
10°	5935.8	5976.5	6083.2	6230.5	6227.4	6011.0	5848.0	5829.2	5832.3
12.5°	5775.9	5794.7	5848.0	5964.0	5964.0	5750.8	5625.4	5644.2	5669.3
15°	5603.4	5615.9	5603.4	5641.0	5625.4	5449.8	5387.0	5446.6	5484.3
17.5°	5358.8	5365.1	5299.2	5249.1	5189.5	5079.8	5095.4	5183.2	5192.6
20°	5017.0	5057.8	4938.6	4810.1	4753.6	4650.2	4738.0	4835.2	4828.9
22.5°	4640.8	4687.8	4534.2	4320.9	4204.9	4164.1	4320.9	4408.7	4405.6
25°	4211.2	4245.7	4070.1	3772.2	3615.4	3609.1	3825.5	3916.4	3922.7
27.5°	3728.3	3740.8	3543.3	3154.5	2960.1	3007.1	3279.9	3405.3	3421.0
30°	3245.4	3239.1	3035.3	2552.4	2295.3	2423.9	2790.7	2928.7	2944.4
32.5°	2803.3	2784.5	2552.4	1975.5	1668.2	1859.4	2342.3	2486.6	2511.7
35°	2380.0	2348.6	2097.8	1461.2	1119.4	1404.8	1956.6	2082.1	2091.5
37.5°	1937.8	1922.2	1724.6	1094.3	780.8	1066.1	1596.0	1687.0	1677.6
40°	1527.1	1527.1	1364.0	812.1	542.5	793.3	1263.7	1345.2	1317.0
42.5°	1197.8	1213.5	1075.5	598.9	385.7	589.5	1000.3	1075.5	1044.2
45°	965.8	965.8	846.6	445.3	250.9	439.0	790.2	859.2	852.9
47.5°	818.4	805.9	686.7	326.1	138.0	329.2	664.8	749.4	746.3
50°	730.6	711.8	589.5	257.1	97.2	272.8	583.2	661.6	664.8
52.5°	661.6	633.4	529.9	228.9	84.7	238.3	529.9	592.6	592.6
55°	586.4	570.7	476.6	203.8	75.3	213.2	476.6	533.1	529.9
57.5°	495.4	492.3	426.4	185.0	69.0	188.1	426.4	460.9	448.4
60°	404.5	417.0	370.0	166.2	62.7	169.3	363.7	392.0	385.7
62.5°	338.7	354.3	323.0	147.4	53.3	150.5	307.3	335.5	329.2
65°	282.2	294.8	269.7	125.4	47.0	125.4	254.0	279.1	279.1
67.5°	232.0	241.4	222.6	103.5	40.8	103.5	207.0	228.9	232.0
70°	185.0	191.3	175.6	81.5	34.5	84.7	163.1	185.0	185.0
72.5°	144.2	147.4	138.0	65.8	31.4	65.8	125.4	144.2	144.2
75°	103.5	109.7	103.5	50.2	28.2	50.2	97.2	106.6	109.7
77.5°	59.6	75.3	75.3	40.8	21.9	37.6	69.0	72.1	72.1
80°	40.8	47.0	53.3	28.2	15.7	28.2	43.9	47.0	43.9
82.5°	28.2	31.4	31.4	18.8	12.5	18.8	28.2	31.4	28.2
85°	15.7	21.9	21.9	15.7	9.4	12.5	15.7	18.8	15.7
87.5°	9.4	12.5	15.7	12.5	9.4	9.4	9.4	9.4	6.3
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)