

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: P800025

Luminaire Tested: **LD6C70D010 EU6709030 6LBMDDWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P800025
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 6LBMDDWH
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

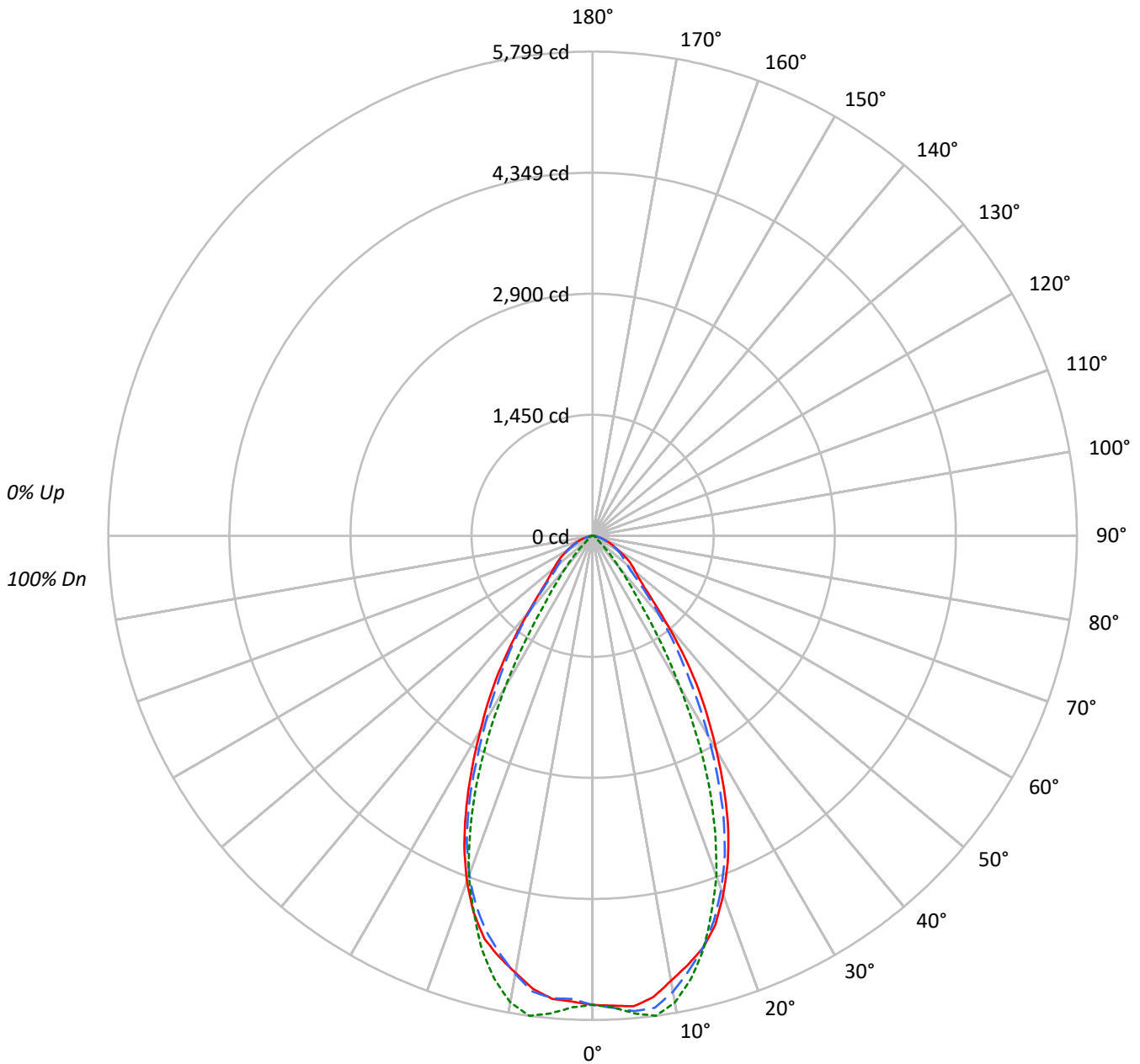
Lumens per Lamp: N/A
Luminaire Lumens: 5720.0 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 78
Input Voltage (V): NR
Input Current (A_{in}): 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°	308007	308007	308007
5°	311231	315947	306355
10°	301147	315943	295897
15°	289843	290978	283679
20°	266758	252751	256753
25°	232157	199312	216254
30°	187238	132425	169868
35°	145163	68282	127569
40°	99601	35381	85897
45°	68240	17723	60262
50°	56791	7556	51674
55°	51076	6557	46163
60°	40424	6271	38539
65°	33363	5565	32987
70°	27024	5033	27024
75°	19974	5443	21181
80°	11744	4514	12628
85°	8995	5409	8995



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	534.8	9.4
10°-20°	1403.8	24.5
20°-30°	1602.3	28.0
30°-40°	1062.6	18.6
40°-50°	512.5	9.0
50°-60°	315.3	5.5
60°-70°	190.8	3.3
70°-80°	80.3	1.4
80°-90°	17.7	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°	3540.9	61.9
0°-40°	4603.5	80.5
0°-60°	5431.3	95.0
0°-90°	5720.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5720.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5618	5618	5618	5618	5618	
5°	5656	5716	5741	5558	5567	531
15°	5107	5107	5127	4910	4998	1423
25°	3838	3710	3295	3487	3575	1740
35°	2169	1912	1020	1783	1906	1342
45°	880	772	229	720	777	718
55°	534	434	69	434	483	470
65°	257	246	43	232	254	258
75°	94	94	26	89	100	101
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°	5618.5	5618.5	5618.5	5618.5	5618.5	5618.5	5618.5	5618.5	5618.5
2.5°	5632.8	5641.4	5658.6	5661.4	5652.8	5598.5	5552.8	5570.0	5584.3
5°	5655.7	5672.8	5715.7	5755.7	5741.4	5650.0	5558.5	5555.7	5567.1
7.5°	5572.8	5612.8	5701.4	5801.5	5798.6	5641.4	5507.1	5472.8	5472.8
10°	5409.9	5447.1	5544.2	5678.6	5675.7	5478.5	5329.9	5312.8	5315.6
12.5°	5264.2	5281.3	5329.9	5435.6	5435.6	5241.3	5127.0	5144.1	5167.0
15°	5107.0	5118.4	5107.0	5141.3	5127.0	4967.0	4909.8	4964.1	4998.4
17.5°	4884.1	4889.8	4829.8	4784.1	4729.8	4629.7	4644.0	4724.0	4732.6
20°	4572.6	4609.7	4501.1	4384.0	4332.5	4238.2	4318.2	4406.8	4401.1
22.5°	4229.6	4272.5	4132.5	3938.1	3832.4	3795.2	3938.1	4018.1	4015.3
25°	3838.1	3869.5	3709.5	3438.0	3295.1	3289.4	3486.6	3569.5	3575.2
27.5°	3398.0	3409.4	3229.4	2875.0	2697.8	2740.7	2989.3	3103.6	3117.9
30°	2957.9	2952.2	2766.4	2326.3	2092.0	2209.1	2543.5	2669.2	2683.5
32.5°	2554.9	2537.8	2326.3	1800.5	1520.4	1694.7	2134.8	2266.3	2289.1
35°	2169.1	2140.5	1911.9	1331.8	1020.3	1280.3	1783.3	1897.6	1906.2
37.5°	1766.2	1751.9	1571.8	997.4	711.6	971.7	1454.6	1537.5	1529.0
40°	1391.8	1391.8	1243.2	740.2	494.4	723.0	1151.7	1226.0	1200.3
42.5°	1091.7	1106.0	980.2	545.9	351.5	537.3	911.7	980.2	951.7
45°	880.2	880.2	771.6	405.8	228.6	400.1	720.2	783.1	777.3
47.5°	745.9	734.5	625.9	297.2	125.7	300.1	605.9	683.0	680.2
50°	665.9	648.7	537.3	234.3	88.6	248.6	531.6	603.0	605.9
52.5°	603.0	577.3	483.0	208.6	77.2	217.2	483.0	540.1	540.1
55°	534.4	520.1	434.4	185.8	68.6	194.3	434.4	485.8	483.0
57.5°	451.5	448.7	388.7	168.6	62.9	171.5	388.7	420.1	408.7
60°	368.7	380.1	337.2	151.5	57.2	154.3	331.5	357.2	351.5
62.5°	308.6	322.9	294.4	134.3	48.6	137.2	280.1	305.8	300.1
65°	257.2	268.6	245.8	114.3	42.9	114.3	231.5	254.3	254.3
67.5°	211.5	220.1	202.9	94.3	37.2	94.3	188.6	208.6	211.5
70°	168.6	174.3	160.0	74.3	31.4	77.2	148.6	168.6	168.6
72.5°	131.5	134.3	125.7	60.0	28.6	60.0	114.3	131.5	131.5
75°	94.3	100.0	94.3	45.7	25.7	45.7	88.6	97.2	100.0
77.5°	54.3	68.6	68.6	37.2	20.0	34.3	62.9	65.7	65.7
80°	37.2	42.9	48.6	25.7	14.3	25.7	40.0	42.9	40.0
82.5°	25.7	28.6	28.6	17.1	11.4	17.1	25.7	28.6	25.7
85°	14.3	20.0	20.0	14.3	8.6	11.4	14.3	17.1	14.3
87.5°	8.6	11.4	14.3	11.4	8.6	8.6	8.6	8.6	5.7
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)