

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: P799907

Luminaire Tested: **LD6C60D010 EU6609030 6LBMDDWMW**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799907
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: LD6C60D010 EU6609030 6LBMDDWMW
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

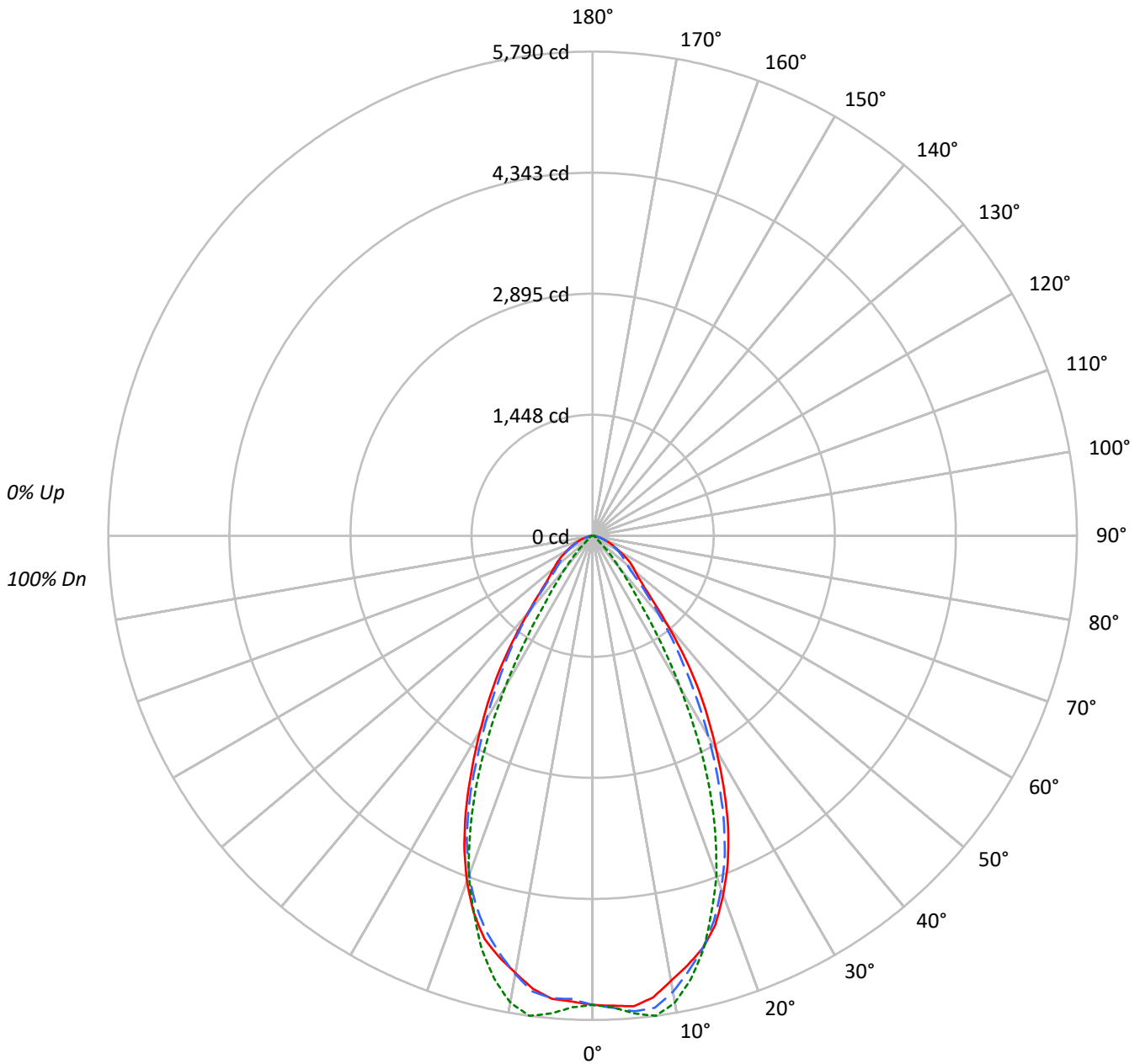
Lumens per Lamp: N/A
Luminaire Lumens: 5712.0 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 72
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									
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°	307580	307580	307580
5°	310796	315507	305926
10°	300729	315503	295486
15°	289440	290569	283282
20°	266385	252401	256391
25°	231830	199034	215952
30°	186972	132236	169634
35°	144962	68181	127388
40°	99458	35330	85775
45°	68147	17700	60185
50°	56706	7548	51597
55°	51009	6547	46096
60°	40359	6260	38484
65°	33311	5552	32948
70°	26992	5033	26992
75°	19952	5443	21160
80°	11712	4514	12628
85°	8995	5409	8995



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	534.1	9.4
10°-20°	1401.8	24.5
20°-30°	1600.1	28.0
30°-40°	1061.1	18.6
40°-50°	511.8	9.0
50°-60°	314.8	5.5
60°-70°	190.5	3.3
70°-80°	80.2	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°	3535.9	61.9
0°-40°	4597.0	80.5
0°-60°	5423.7	95.0
0°-90°	5712.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5712.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5611	5611	5611	5611	5611	
5°	5648	5708	5733	5551	5559	531
15°	5100	5100	5120	4903	4991	1421
25°	3833	3704	3290	3482	3570	1738
35°	2166	1909	1019	1781	1904	1340
45°	879	770	228	719	776	717
55°	534	434	68	434	482	469
65°	257	245	43	231	254	258
75°	94	94	26	88	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°	5610.7	5610.7	5610.7	5610.7	5610.7	5610.7	5610.7	5610.7	5610.7
2.5°	5625.0	5633.5	5650.6	5653.5	5644.9	5590.7	5545.1	5562.2	5576.4
5°	5647.8	5664.9	5707.7	5747.7	5733.4	5642.1	5550.8	5547.9	5559.3
7.5°	5565.0	5605.0	5693.5	5793.3	5790.5	5633.5	5499.4	5465.1	5465.1
10°	5402.4	5439.5	5536.5	5670.6	5667.8	5470.9	5322.5	5305.3	5308.2
12.5°	5256.8	5273.9	5322.5	5428.0	5428.0	5234.0	5119.8	5137.0	5159.8
15°	5099.9	5111.3	5099.9	5134.1	5119.8	4960.0	4902.9	4957.2	4991.4
17.5°	4877.2	4883.0	4823.0	4777.4	4723.1	4623.3	4637.5	4717.4	4726.0
20°	4566.2	4603.3	4494.8	4377.8	4326.5	4232.3	4312.2	4400.7	4394.9
22.5°	4223.7	4266.5	4126.7	3932.6	3827.0	3789.9	3932.6	4012.5	4009.7
25°	3832.7	3864.1	3704.3	3433.2	3290.5	3284.8	3481.7	3564.5	3570.2
27.5°	3393.2	3404.7	3224.9	2871.0	2694.0	2736.9	2985.1	3099.3	3113.6
30°	2953.7	2948.0	2762.5	2323.0	2089.0	2206.0	2539.9	2665.5	2679.8
32.5°	2551.4	2534.2	2323.0	1797.9	1518.3	1692.3	2131.8	2263.1	2285.9
35°	2166.1	2137.5	1909.2	1329.9	1018.8	1278.5	1780.8	1895.0	1903.5
37.5°	1763.7	1749.4	1569.6	996.0	710.6	970.3	1452.6	1535.4	1526.8
40°	1389.8	1389.8	1241.4	739.2	493.7	722.0	1150.1	1224.3	1198.6
42.5°	1090.2	1104.4	978.9	545.1	351.0	536.5	910.4	978.9	950.3
45°	879.0	879.0	770.5	405.2	228.3	399.5	719.2	782.0	776.3
47.5°	744.9	733.4	625.0	296.8	125.6	299.7	605.0	682.1	679.2
50°	664.9	647.8	536.5	234.0	88.5	248.3	530.8	602.2	605.0
52.5°	602.2	576.5	482.3	208.3	77.1	216.9	482.3	539.4	539.4
55°	533.7	519.4	433.8	185.5	68.5	194.1	433.8	485.2	482.3
57.5°	450.9	448.1	388.1	168.4	62.8	171.2	388.1	419.5	408.1
60°	368.1	379.6	336.8	151.3	57.1	154.1	331.0	356.7	351.0
62.5°	308.2	322.5	293.9	134.1	48.5	137.0	279.7	305.4	299.7
65°	256.8	268.3	245.4	114.2	42.8	114.2	231.2	254.0	254.0
67.5°	211.2	219.7	202.6	94.2	37.1	94.2	188.4	208.3	211.2
70°	168.4	174.1	159.8	74.2	31.4	77.1	148.4	168.4	168.4
72.5°	131.3	134.1	125.6	59.9	28.5	59.9	114.2	131.3	131.3
75°	94.2	99.9	94.2	45.7	25.7	45.7	88.5	97.0	99.9
77.5°	54.2	68.5	68.5	37.1	20.0	34.2	62.8	65.6	65.6
80°	37.1	42.8	48.5	25.7	14.3	25.7	40.0	42.8	40.0
82.5°	25.7	28.5	28.5	17.1	11.4	17.1	25.7	28.5	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)