

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: P799914

Luminaire Tested: **LD6C60D010 EU6609030 6LBMDSWWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799914
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C60D010 EU6609030 6LBMDSWWH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

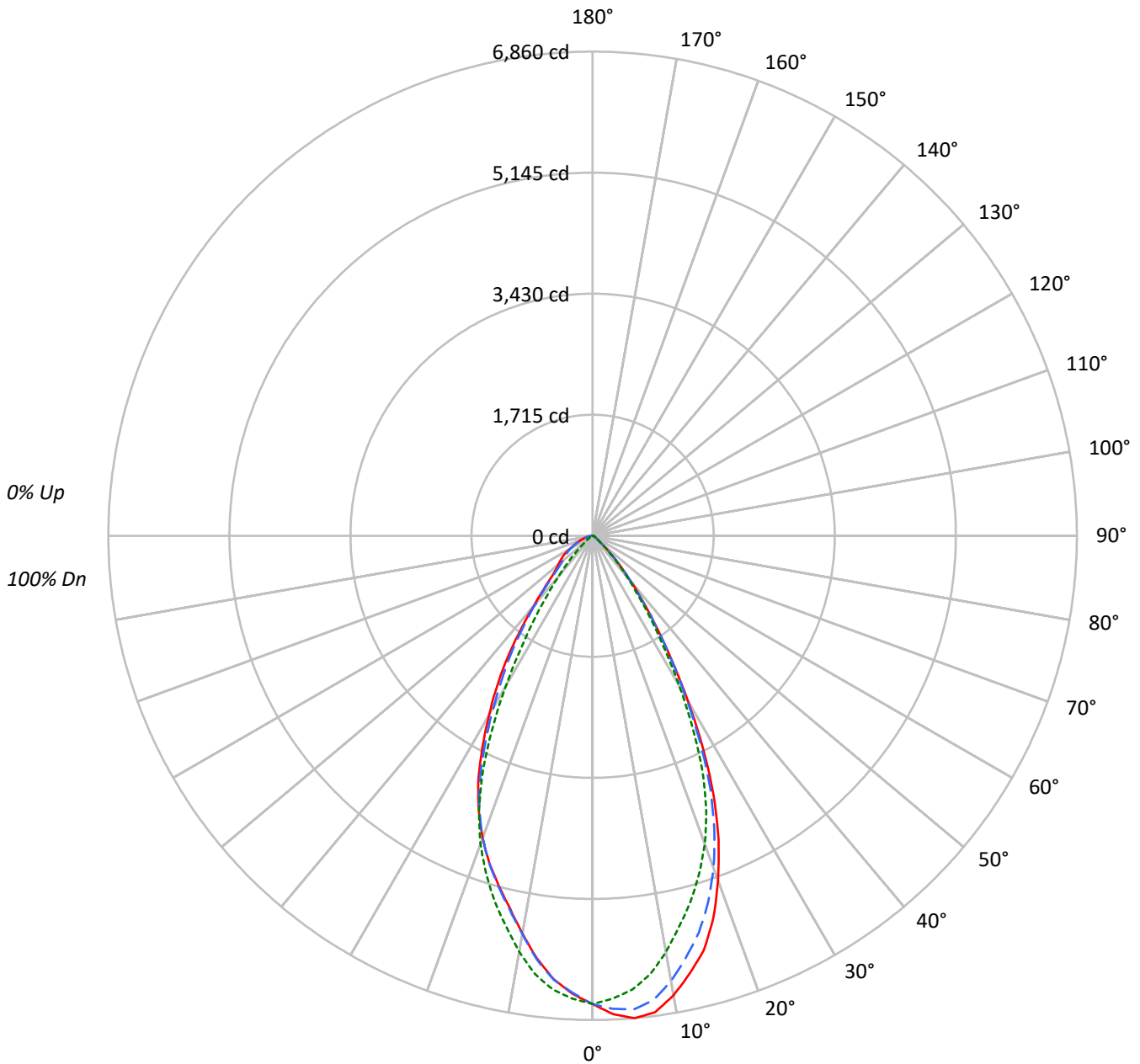
Lumens per Lamp: N/A
Luminaire Lumens: 5712.0 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									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	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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92																											
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85																											
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78																											
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73																											
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67																											
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63																											
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59																											
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55																											
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52																											
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49																											

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	363699	363699	363699
5°	377530	355166	347132
10°	367879	333143	318487
15°	345019	304406	291250
20°	302887	270994	265819
25°	244968	222636	231812
30°	170305	155087	185522
35°	104962	95004	140016
40°	59397	53257	92989
45°	28848	27514	63464
50°	10985	10985	53943
55°	6021	7111	49786
60°	4397	5646	40797
65°	3710	4825	33415
70°	3206	4135	27521
75°	3029	4236	23638
80°	1799	3599	17174
85°	1824	7170	16228



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	607.4	10.6
10°-20°	1526.5	26.7
20°-30°	1718.4	30.1
30°-40°	1064.1	18.6
40°-50°	423.8	7.4
50°-60°	192.9	3.4
60°-70°	110.9	1.9
70°-80°	52.7	0.9
80°-90°	15.4	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°	3852.3	67.4
0°-40°	4916.4	86.1
0°-60°	5533.1	96.9
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°	6634	6634	6634	6634	6634	
5°	6860	6735	6454	6314	6308	646
15°	6079	5816	5364	5146	5132	1682
25°	4050	3941	3681	3772	3832	1820
35°	1568	1560	1420	1978	2092	1008
45°	372	372	355	773	819	315
55°	63	60	74	458	521	63
65°	29	26	37	255	258	28
75°	14	14	20	109	112	15
85°	3	3	11	26	26	2
90°	0	0	0	0	0	



TEST NUMBER: P799914

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	6634.4	6634.4	6634.4	6634.4	6634.4	6634.4	6634.4	6634.4	6634.4
2.5°	6786.1	6723.1	6708.8	6654.5	6562.9	6511.3	6479.9	6457.0	6497.0
5°	6860.5	6791.8	6734.6	6623.0	6454.1	6359.7	6313.9	6276.6	6308.1
7.5°	6806.1	6708.8	6631.6	6477.0	6262.3	6116.4	6053.4	6010.5	6039.1
10°	6608.7	6491.3	6402.6	6219.4	5984.7	5810.1	5732.8	5692.8	5721.4
12.5°	6351.1	6253.8	6119.2	5918.9	5667.0	5483.8	5426.6	5395.1	5406.6
15°	6079.2	5964.7	5815.8	5615.5	5363.6	5180.5	5146.1	5126.1	5131.8
17.5°	5684.2	5572.6	5443.8	5249.1	5017.3	4868.5	4868.5	4854.2	4862.8
20°	5191.9	5131.8	5005.9	4842.7	4645.2	4510.7	4553.6	4539.3	4556.5
22.5°	4659.5	4613.8	4505.0	4370.5	4204.5	4098.6	4193.0	4190.2	4213.1
25°	4049.9	4015.6	3941.2	3826.7	3680.7	3614.9	3772.3	3772.3	3832.4
27.5°	3377.3	3343.0	3291.4	3194.1	3073.9	3053.9	3285.7	3314.3	3380.2
30°	2690.4	2667.5	2638.9	2550.2	2450.0	2487.2	2807.7	2856.4	2930.8
32.5°	2077.9	2063.6	2055.0	1974.9	1886.1	2009.2	2375.6	2438.5	2512.9
35°	1568.4	1537.0	1559.9	1499.8	1419.6	1574.2	1977.7	2032.1	2092.2
37.5°	1156.3	1133.4	1153.4	1110.5	1039.0	1207.8	1588.5	1622.8	1662.9
40°	830.0	810.0	827.2	801.4	744.2	901.6	1245.0	1282.2	1299.4
42.5°	589.6	555.3	572.4	552.4	523.8	678.3	978.8	1013.2	1018.9
45°	372.1	360.6	372.1	360.6	354.9	503.7	772.8	804.3	818.6
47.5°	226.1	211.8	211.8	206.1	211.8	372.1	638.3	684.0	706.9
50°	128.8	123.1	120.2	117.3	128.8	291.9	552.4	603.9	632.5
52.5°	85.9	83.0	83.0	80.1	94.5	246.1	498.0	543.8	572.4
55°	63.0	60.1	60.1	60.1	74.4	211.8	457.9	495.1	520.9
57.5°	48.7	48.7	48.7	45.8	63.0	180.3	409.3	429.3	449.4
60°	40.1	37.2	37.2	37.2	51.5	154.6	352.0	360.6	372.1
62.5°	31.5	31.5	31.5	31.5	42.9	137.4	303.4	303.4	309.1
65°	28.6	25.8	25.8	25.8	37.2	120.2	254.7	251.9	257.6
67.5°	22.9	22.9	22.9	22.9	31.5	103.0	208.9	206.1	211.8
70°	20.0	20.0	20.0	20.0	25.8	85.9	168.9	166.0	171.7
72.5°	17.2	17.2	17.2	17.2	22.9	71.6	134.5	134.5	137.4
75°	14.3	14.3	14.3	14.3	20.0	54.4	108.8	108.8	111.6
77.5°	11.4	11.4	11.4	11.4	14.3	42.9	83.0	80.1	80.1
80°	5.7	8.6	8.6	8.6	11.4	31.5	60.1	54.4	54.4
82.5°	2.9	5.7	5.7	5.7	11.4	22.9	40.1	37.2	37.2
85°	2.9	2.9	2.9	8.6	11.4	17.2	25.8	25.8	25.8
87.5°	0.0	2.9	5.7	11.4	14.3	14.3	17.2	14.3	14.3
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)