

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: P799939

Luminaire Tested: **LD6C60D010 EU6609040 6LBMDSWWMH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799939  
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 EU6609040 6LBMDSWWMH  
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH WMH FINISH  
Light Source: -  
Ballast/Driver: -

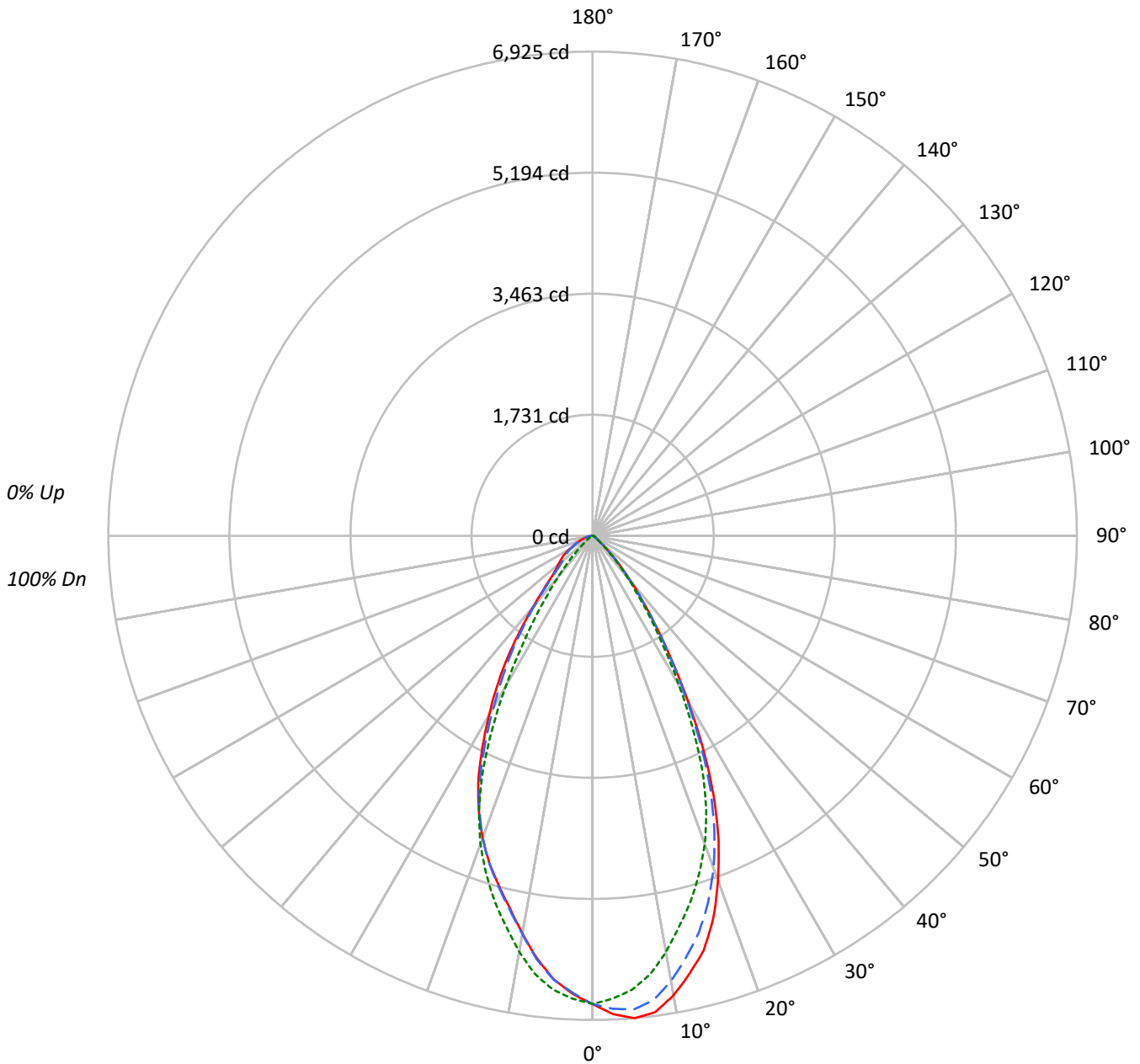
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5766.0 lumens  
Efficiency: N/A  
Efficacy: 80.1 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<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									
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	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°	367136	367136	367136
5°	381102	358523	350417
10°	371353	336294	321498
15°	348277	307283	294003
20°	305752	273560	268333
25°	247284	224741	234001
30°	171913	156549	187276
35°	105959	95901	141342
40°	59962	53758	93869
45°	29119	27778	64061
50°	11087	11087	54455
55°	6079	7178	50254
60°	4429	5701	41181
65°	3749	4877	33726
70°	3238	4167	27793
75°	3050	4279	23871
80°	1831	3662	17332
85°	1824	7296	16354



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	613.1	10.6
10°-20°	1541.0	26.7
20°-30°	1734.7	30.1
30°-40°	1074.1	18.6
40°-50°	427.8	7.4
50°-60°	194.7	3.4
60°-70°	111.9	1.9
70°-80°	53.2	0.9
80°-90°	15.5	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°	3888.7	67.4
0°-40°	4962.9	86.1
0°-60°	5585.4	96.9
0°-90°	5766.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5766.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	6697	6697	6697	6697	6697	
5°	6925	6798	6515	6374	6368	652
15°	6137	5871	5414	5195	5180	1698
25°	4088	3978	3716	3808	3869	1838
35°	1583	1575	1433	1996	2112	1018
45°	376	376	358	780	826	318
55°	64	61	75	462	526	63
65°	29	26	38	257	260	28
75°	14	14	20	110	113	15
85°	3	3	12	26	26	2
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°	6697.1	6697.1	6697.1	6697.1	6697.1	6697.1	6697.1	6697.1	6697.1
2.5°	6850.3	6786.7	6772.3	6717.4	6624.9	6572.9	6541.1	6518.0	6558.5
5°	6925.4	6856.0	6798.3	6685.6	6515.1	6419.8	6373.5	6336.0	6367.8
7.5°	6870.5	6772.3	6694.2	6538.2	6321.5	6174.2	6110.6	6067.3	6096.2
10°	6671.1	6552.7	6463.1	6278.2	6041.3	5865.0	5787.0	5746.6	5775.5
12.5°	6411.1	6312.9	6177.1	5974.8	5720.6	5535.7	5477.9	5446.1	5457.7
15°	6136.6	6021.1	5870.8	5668.6	5414.3	5229.4	5194.8	5174.5	5180.3
17.5°	5737.9	5625.2	5495.2	5298.8	5064.7	4914.5	4914.5	4900.1	4908.7
20°	5241.0	5180.3	5053.2	4888.5	4689.2	4553.4	4596.7	4582.3	4599.6
22.5°	4703.6	4657.4	4547.6	4411.8	4244.2	4137.3	4232.7	4229.8	4252.9
25°	4088.2	4053.5	3978.4	3862.8	3715.5	3649.0	3807.9	3807.9	3868.6
27.5°	3409.2	3374.6	3322.6	3224.3	3103.0	3082.8	3316.8	3345.7	3412.1
30°	2715.8	2692.7	2663.8	2574.3	2473.1	2510.7	2834.3	2883.4	2958.5
32.5°	2097.5	2083.1	2074.4	1993.5	1904.0	2028.2	2398.0	2461.6	2536.7
35°	1583.3	1551.5	1574.6	1513.9	1433.0	1589.1	1996.4	2051.3	2112.0
37.5°	1167.2	1144.1	1164.3	1121.0	1048.8	1219.2	1603.5	1638.2	1678.6
40°	837.9	817.6	835.0	809.0	751.2	910.1	1256.8	1294.4	1311.7
42.5°	595.2	560.5	577.8	557.6	528.7	684.7	988.1	1022.8	1028.6
45°	375.6	364.0	375.6	364.0	358.3	508.5	780.1	811.9	826.3
47.5°	228.2	213.8	213.8	208.0	213.8	375.6	644.3	690.5	713.6
50°	130.0	124.2	121.3	118.5	130.0	294.7	557.6	609.6	638.5
52.5°	86.7	83.8	83.8	80.9	95.3	248.5	502.7	548.9	577.8
55°	63.6	60.7	60.7	60.7	75.1	213.8	462.3	499.8	525.8
57.5°	49.1	49.1	49.1	46.2	63.6	182.0	413.2	433.4	453.6
60°	40.4	37.6	37.6	37.6	52.0	156.0	355.4	364.0	375.6
62.5°	31.8	31.8	31.8	31.8	43.3	138.7	306.3	306.3	312.0
65°	28.9	26.0	26.0	26.0	37.6	121.3	257.1	254.2	260.0
67.5°	23.1	23.1	23.1	23.1	31.8	104.0	210.9	208.0	213.8
70°	20.2	20.2	20.2	20.2	26.0	86.7	170.5	167.6	173.4
72.5°	17.3	17.3	17.3	17.3	23.1	72.2	135.8	135.8	138.7
75°	14.4	14.4	14.4	14.4	20.2	54.9	109.8	109.8	112.7
77.5°	11.6	11.6	11.6	11.6	14.4	43.3	83.8	80.9	80.9
80°	5.8	8.7	8.7	8.7	11.6	31.8	60.7	54.9	54.9
82.5°	2.9	5.8	5.8	5.8	11.6	23.1	40.4	37.6	37.6
85°	2.9	2.9	2.9	8.7	11.6	17.3	26.0	26.0	26.0
87.5°	0.0	2.9	5.8	11.6	14.4	14.4	17.3	14.4	14.4
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)