

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: P799929

Luminaire Tested: **LD6C60D010 EU6609040 6LBMDDWH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799929  
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 EU6609040 6LBMDDWH  
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

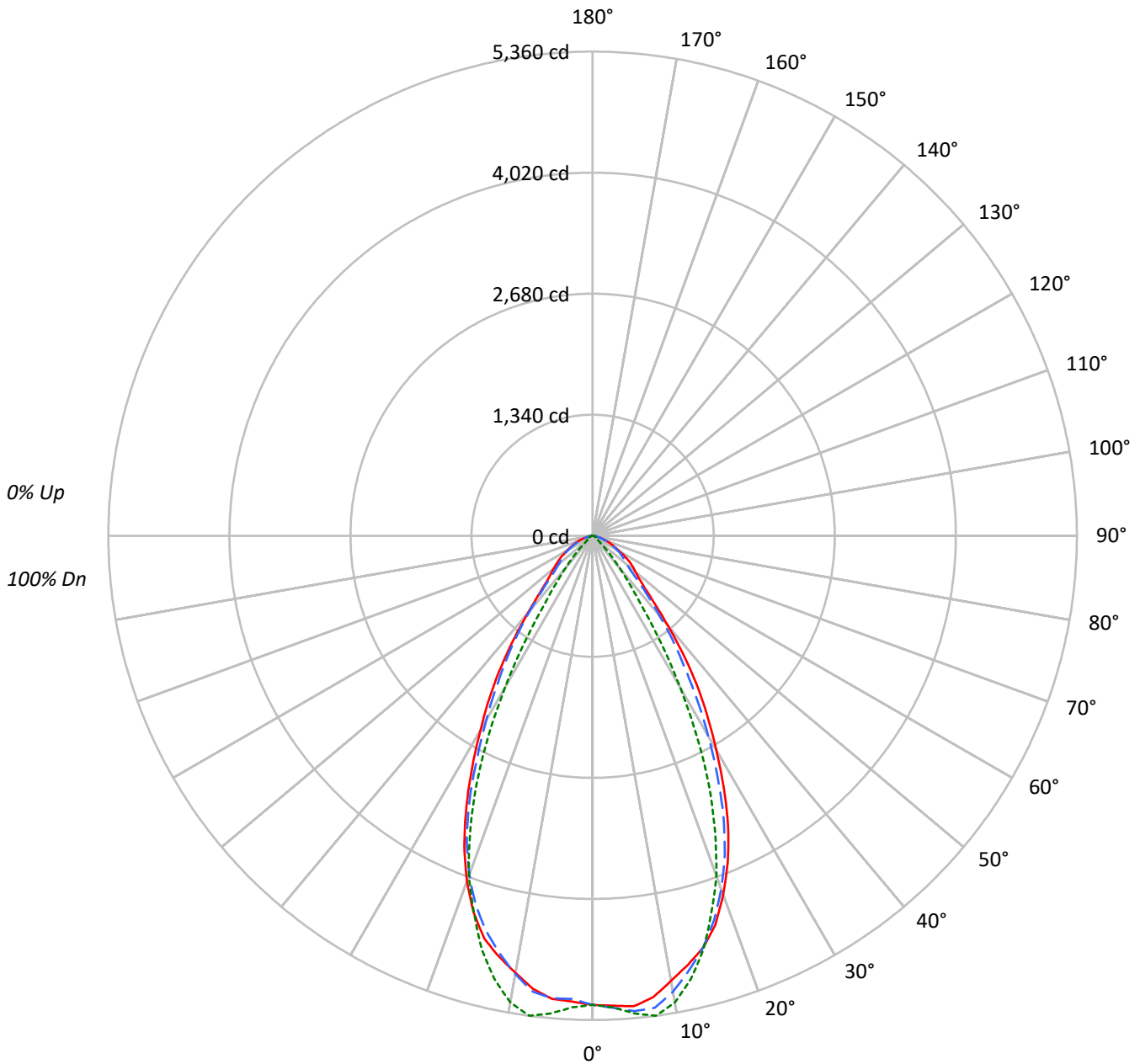
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5287.0 lumens  
Efficiency: N/A  
Efficacy: 73.4 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<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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91					91			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83					83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76					76			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70					70			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64					64			
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59					59			
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55					55			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51					51			
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48					48			
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45					45			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	284692	284692	284692
5°	287673	292031	283166
10°	278352	292029	273497
15°	267902	268952	262204
20°	246561	233616	237315
25°	214585	184226	199880
30°	173065	122399	157011
35°	134174	63108	117912
40°	92058	32704	79392
45°	63076	16382	55703
50°	52493	6985	47760
55°	47215	6060	42665
60°	37365	5789	35622
65°	30833	5137	30496
70°	24972	4664	24972
75°	18470	5041	19592
80°	10828	4167	11681
85°	8303	4969	8303



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	494.3	9.4
10°-20°	1297.5	24.5
20°-30°	1481.0	28.0
30°-40°	982.2	18.6
40°-50°	473.7	9.0
50°-60°	291.4	5.5
60°-70°	176.3	3.3
70°-80°	74.2	1.4
80°-90°	16.4	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°	3272.8	61.9
0°-40°	4255.0	80.5
0°-60°	5020.1	95.0
0°-90°	5287.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5287.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	5193	5193	5193	5193	5193	
5°	5228	5283	5307	5138	5146	491
15°	4720	4720	4739	4538	4620	1315
25°	3548	3429	3046	3223	3304	1609
35°	2005	1767	943	1648	1762	1240
45°	814	713	211	666	718	664
55°	494	402	63	402	446	434
65°	238	227	40	214	235	239
75°	87	87	24	82	92	93
85°	13	18	8	13	13	17
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°	5193.2	5193.2	5193.2	5193.2	5193.2	5193.2	5193.2	5193.2	5193.2
2.5°	5206.4	5214.4	5230.2	5232.9	5224.9	5174.7	5132.5	5148.3	5161.5
5°	5227.6	5243.4	5283.0	5320.0	5306.8	5222.3	5137.8	5135.1	5145.7
7.5°	5151.0	5187.9	5269.8	5362.3	5359.6	5214.4	5090.2	5058.5	5058.5
10°	5000.4	5034.7	5124.6	5248.7	5246.1	5063.8	4926.4	4910.6	4913.2
12.5°	4865.7	4881.5	4926.4	5024.2	5024.2	4844.5	4738.9	4754.7	4775.9
15°	4720.4	4731.0	4720.4	4752.1	4738.9	4591.0	4538.1	4588.3	4620.0
17.5°	4514.4	4519.6	4464.2	4421.9	4371.7	4279.3	4292.5	4366.4	4374.4
20°	4226.4	4260.8	4160.4	4052.1	4004.5	3917.4	3991.3	4073.2	4067.9
22.5°	3909.5	3949.1	3819.6	3640.0	3542.3	3507.9	3640.0	3714.0	3711.3
25°	3547.6	3576.6	3428.7	3177.7	3045.7	3040.4	3222.7	3299.3	3304.5
27.5°	3140.8	3151.3	2984.9	2657.4	2493.6	2533.2	2763.0	2868.7	2881.9
30°	2734.0	2728.7	2557.0	2150.2	1933.6	2041.9	2351.0	2467.2	2480.4
32.5°	2361.5	2345.7	2150.2	1664.2	1405.3	1566.4	1973.2	2094.7	2115.9
35°	2004.9	1978.5	1767.2	1230.9	943.0	1183.4	1648.3	1754.0	1761.9
37.5°	1632.5	1619.3	1452.8	921.9	657.7	898.1	1344.5	1421.1	1413.2
40°	1286.4	1286.4	1149.1	684.2	457.0	668.3	1064.5	1133.2	1109.4
42.5°	1009.1	1022.3	906.0	504.5	324.9	496.6	842.6	906.0	879.6
45°	813.6	813.6	713.2	375.1	211.3	369.8	665.7	723.8	718.5
47.5°	689.4	678.9	578.5	274.7	116.2	277.4	560.0	631.3	628.7
50°	615.5	599.6	496.6	216.6	81.9	229.8	491.3	557.4	560.0
52.5°	557.4	533.6	446.4	192.8	71.3	200.8	446.4	499.2	499.2
55°	494.0	480.8	401.5	171.7	63.4	179.6	401.5	449.1	446.4
57.5°	417.4	414.7	359.2	155.8	58.1	158.5	359.2	388.3	377.7
60°	340.8	351.3	311.7	140.0	52.8	142.6	306.4	330.2	324.9
62.5°	285.3	298.5	272.1	124.2	44.9	126.8	258.9	282.6	277.4
65°	237.7	248.3	227.2	105.7	39.6	105.7	214.0	235.1	235.1
67.5°	195.5	203.4	187.5	87.2	34.3	87.2	174.3	192.8	195.5
70°	155.8	161.1	147.9	68.7	29.1	71.3	137.4	155.8	155.8
72.5°	121.5	124.2	116.2	55.5	26.4	55.5	105.7	121.5	121.5
75°	87.2	92.5	87.2	42.3	23.8	42.3	81.9	89.8	92.5
77.5°	50.2	63.4	63.4	34.3	18.5	31.7	58.1	60.8	60.8
80°	34.3	39.6	44.9	23.8	13.2	23.8	37.0	39.6	37.0
82.5°	23.8	26.4	26.4	15.8	10.6	15.8	23.8	26.4	23.8
85°	13.2	18.5	18.5	13.2	7.9	10.6	13.2	15.8	13.2
87.5°	7.9	10.6	13.2	10.6	7.9	7.9	7.9	7.9	5.3
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)