

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: P799352

Luminaire Tested: **LD6C15D010 EU6159027 6LBMDDWGPB**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799352  
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: LD6C15D010 EU6159027 6LBMDDWGPH  
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH GPH FINISH  
Light Source: -  
Ballast/Driver: -

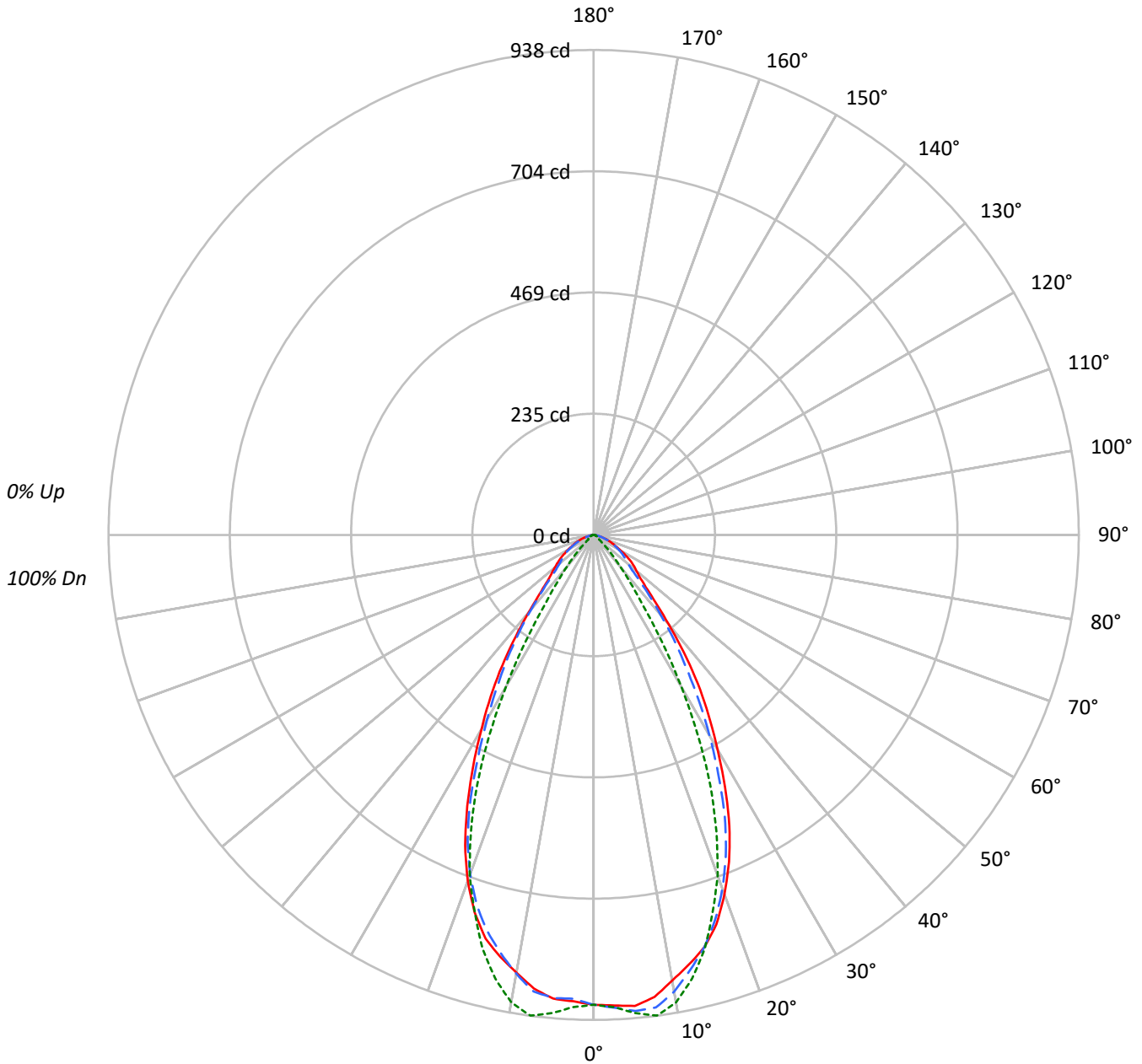
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 925.0 lumens  
Efficiency: N/A  
Efficacy: 58.5 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): 15.8  
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	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°	49810	49810	49810
5°	50330	51095	49543
10°	48702	51090	47850
15°	46873	47055	45874
20°	43135	40872	41519
25°	37545	32234	34974
30°	30277	21415	27473
35°	23477	11042	20632
40°	16109	5725	13890
45°	11032	2869	9745
50°	9185	1220	8358
55°	8258	1061	7464
60°	6535	1009	6228
65°	5396	895	5331
70°	4376	817	4376
75°	3241	890	3431
80°	1894	726	2052
85°	1447	881	1447



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.5	9.4
10°-20°	227.0	24.5
20°-30°	259.1	28.0
30°-40°	171.8	18.6
40°-50°	82.9	9.0
50°-60°	51.0	5.5
60°-70°	30.8	3.3
70°-80°	13.0	1.4
80°-90°	2.9	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°	572.6	61.9
0°-40°	744.4	80.5
0°-60°	878.3	95.0
0°-90°	925.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	925.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	909	909	909	909	909	
5°	915	924	928	899	900	86
15°	826	826	829	794	808	230
25°	621	600	533	564	578	281
35°	351	309	165	288	308	217
45°	142	125	37	116	126	116
55°	86	70	11	70	78	76
65°	42	40	7	37	41	42
75°	15	15	4	14	16	16
85°	2	3	1	2	2	3
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°	908.6	908.6	908.6	908.6	908.6	908.6	908.6	908.6	908.6
2.5°	910.9	912.3	915.1	915.5	914.1	905.4	898.0	900.7	903.0
5°	914.6	917.4	924.3	930.8	928.5	913.7	898.9	898.4	900.3
7.5°	901.2	907.7	922.0	938.2	937.7	912.3	890.6	885.0	885.0
10°	874.9	880.9	896.6	918.3	917.8	885.9	861.9	859.1	859.6
12.5°	851.3	854.1	861.9	879.0	879.0	847.6	829.1	831.9	835.6
15°	825.9	827.7	825.9	831.4	829.1	803.2	794.0	802.8	808.3
17.5°	789.8	790.7	781.0	773.6	764.9	748.7	751.0	763.9	765.3
20°	739.4	745.5	727.9	708.9	700.6	685.4	698.3	712.6	711.7
22.5°	684.0	690.9	668.3	636.8	619.7	613.7	636.8	649.8	649.3
25°	620.7	625.8	599.9	556.0	532.9	531.9	563.8	577.2	578.2
27.5°	549.5	551.3	522.2	464.9	436.3	443.2	483.4	501.9	504.2
30°	478.3	477.4	447.4	376.2	338.3	357.2	411.3	431.7	434.0
32.5°	413.2	410.4	376.2	291.2	245.9	274.1	345.2	366.5	370.2
35°	350.8	346.2	309.2	215.4	165.0	207.0	288.4	306.9	308.3
37.5°	285.6	283.3	254.2	161.3	115.1	157.1	235.2	248.6	247.3
40°	225.1	225.1	201.0	119.7	80.0	116.9	186.2	198.3	194.1
42.5°	176.5	178.9	158.5	88.3	56.8	86.9	147.4	158.5	153.9
45°	142.3	142.3	124.8	65.6	37.0	64.7	116.5	126.6	125.7
47.5°	120.6	118.8	101.2	48.1	20.3	48.5	98.0	110.5	110.0
50°	107.7	104.9	86.9	37.9	14.3	40.2	86.0	97.5	98.0
52.5°	97.5	93.4	78.1	33.7	12.5	35.1	78.1	87.3	87.3
55°	86.4	84.1	70.2	30.0	11.1	31.4	70.2	78.6	78.1
57.5°	73.0	72.6	62.9	27.3	10.2	27.7	62.9	67.9	66.1
60°	59.6	61.5	54.5	24.5	9.2	25.0	53.6	57.8	56.8
62.5°	49.9	52.2	47.6	21.7	7.9	22.2	45.3	49.5	48.5
65°	41.6	43.4	39.7	18.5	6.9	18.5	37.4	41.1	41.1
67.5°	34.2	35.6	32.8	15.3	6.0	15.3	30.5	33.7	34.2
70°	27.3	28.2	25.9	12.0	5.1	12.5	24.0	27.3	27.3
72.5°	21.3	21.7	20.3	9.7	4.6	9.7	18.5	21.3	21.3
75°	15.3	16.2	15.3	7.4	4.2	7.4	14.3	15.7	16.2
77.5°	8.8	11.1	11.1	6.0	3.2	5.5	10.2	10.6	10.6
80°	6.0	6.9	7.9	4.2	2.3	4.2	6.5	6.9	6.5
82.5°	4.2	4.6	4.6	2.8	1.8	2.8	4.2	4.6	4.2
85°	2.3	3.2	3.2	2.3	1.4	1.8	2.3	2.8	2.3
87.5°	1.4	1.8	2.3	1.8	1.4	1.4	1.4	1.4	0.9
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)