

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: P799358

Luminaire Tested: **LD6C15D010 EU6159027 6LBMDSWGPH**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799358  
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: LD6C15D010 EU6159027 6LBMDSWGPH  
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH GPH FINISH  
Light Source: -  
Ballast/Driver: -

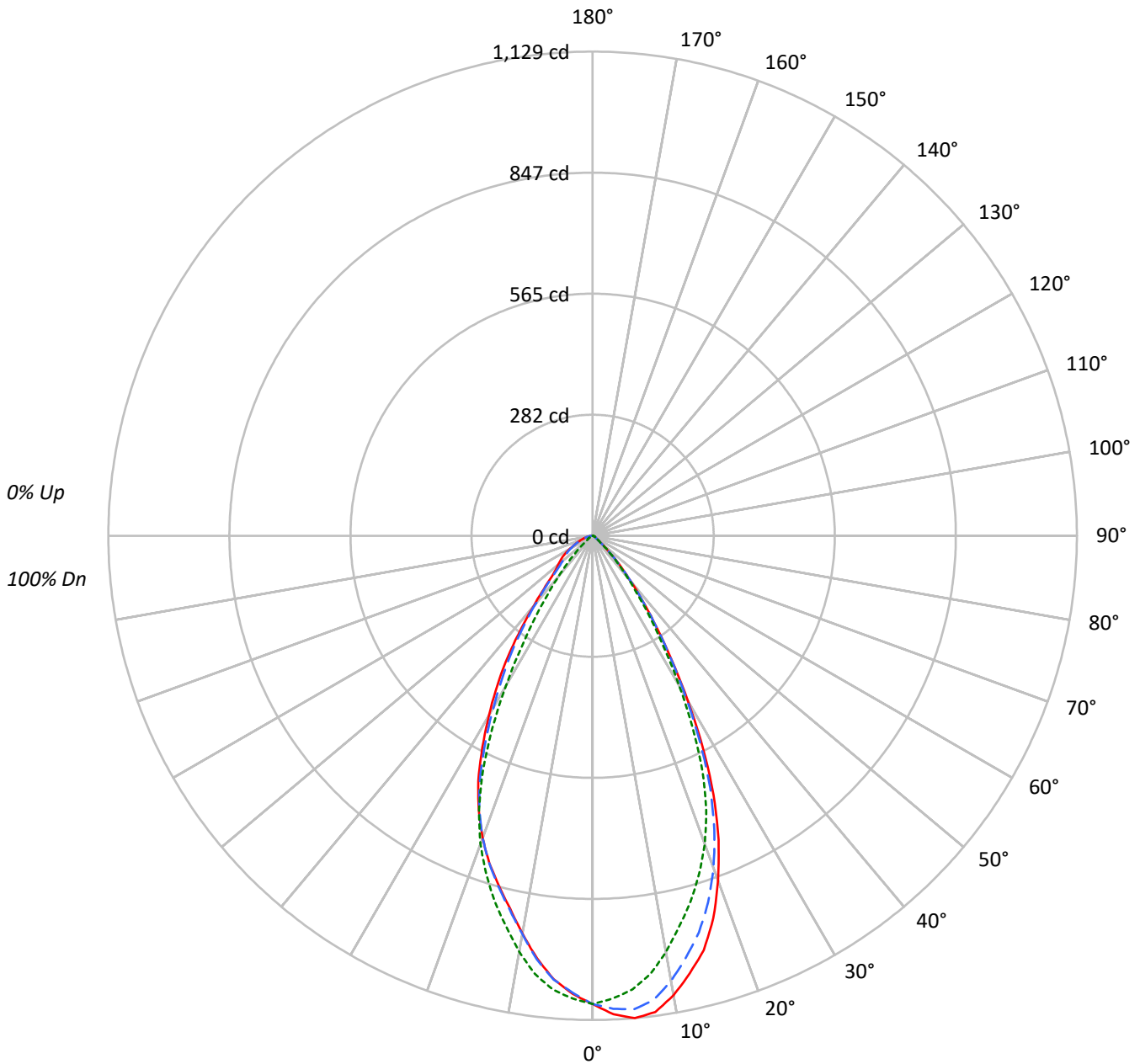
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 940.0 lumens  
Efficiency: N/A  
Efficacy: 59.5 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): 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	100	100	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92	92	92	92
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78	78	78	78
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73	73	73	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67	67	67	67
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63	63	63	63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59	59	59	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55	55	55	55
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52	52	52	52
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49	49	49	49

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

	0°	90°	180°
0°	59853	59853	59853
5°	62128	58447	57126
10°	60542	54825	52409
15°	56777	50097	47929
20°	49844	44594	43742
25°	40315	36637	38149
30°	28023	25523	30530
35°	17273	15633	23042
40°	9775	8766	15300
45°	4745	4528	10443
50°	1808	1808	8878
55°	994	1166	8191
60°	724	932	6710
65°	610	791	5500
70°	529	673	4536
75°	508	699	3897
80°	284	600	2810
85°	314	1195	2642



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.0	10.6
10°-20°	251.2	26.7
20°-30°	282.8	30.1
30°-40°	175.1	18.6
40°-50°	69.7	7.4
50°-60°	31.8	3.4
60°-70°	18.2	1.9
70°-80°	8.7	0.9
80°-90°	2.5	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°	634.0	67.4
0°-40°	809.1	86.1
0°-60°	910.6	96.9
0°-90°	940.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	940.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1092	1092	1092	1092	1092	
5°	1129	1108	1062	1039	1038	106
15°	1000	957	883	847	844	277
25°	666	649	606	621	631	300
35°	258	257	234	326	344	166
45°	61	61	58	127	135	52
55°	10	10	12	75	86	10
65°	5	4	6	42	42	5
75°	2	2	3	18	18	2
85°	0	0	2	4	4	0
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°	1091.8	1091.8	1091.8	1091.8	1091.8	1091.8	1091.8	1091.8	1091.8
2.5°	1116.8	1106.4	1104.0	1095.1	1080.0	1071.5	1066.4	1062.6	1069.2
5°	1129.0	1117.7	1108.3	1089.9	1062.1	1046.6	1039.0	1032.9	1038.1
7.5°	1120.1	1104.0	1091.3	1065.9	1030.6	1006.5	996.2	989.1	993.8
10°	1087.6	1068.2	1053.6	1023.5	984.9	956.1	943.4	936.8	941.5
12.5°	1045.2	1029.2	1007.0	974.0	932.6	902.5	893.0	887.9	889.7
15°	1000.4	981.6	957.1	924.1	882.7	852.5	846.9	843.6	844.5
17.5°	935.4	917.1	895.9	863.8	825.7	801.2	801.2	798.8	800.2
20°	854.4	844.5	823.8	796.9	764.4	742.3	749.4	747.0	749.8
22.5°	766.8	759.3	741.4	719.2	691.9	674.5	690.0	689.6	693.3
25°	666.5	660.8	648.6	629.7	605.7	594.9	620.8	620.8	630.7
27.5°	555.8	550.1	541.7	525.6	505.9	502.6	540.7	545.4	556.3
30°	442.7	439.0	434.3	419.7	403.2	409.3	462.1	470.1	482.3
32.5°	342.0	339.6	338.2	325.0	310.4	330.6	390.9	401.3	413.5
35°	258.1	252.9	256.7	246.8	233.6	259.1	325.5	334.4	344.3
37.5°	190.3	186.5	189.8	182.8	171.0	198.8	261.4	267.1	273.7
40°	136.6	133.3	136.1	131.9	122.5	148.4	204.9	211.0	213.8
42.5°	97.0	91.4	94.2	90.9	86.2	111.6	161.1	166.7	167.7
45°	61.2	59.3	61.2	59.3	58.4	82.9	127.2	132.4	134.7
47.5°	37.2	34.9	34.9	33.9	34.9	61.2	105.0	112.6	116.3
50°	21.2	20.3	19.8	19.3	21.2	48.0	90.9	99.4	104.1
52.5°	14.1	13.7	13.7	13.2	15.5	40.5	82.0	89.5	94.2
55°	10.4	9.9	9.9	9.9	12.2	34.9	75.4	81.5	85.7
57.5°	8.0	8.0	8.0	7.5	10.4	29.7	67.4	70.7	73.9
60°	6.6	6.1	6.1	6.1	8.5	25.4	57.9	59.3	61.2
62.5°	5.2	5.2	5.2	5.2	7.1	22.6	49.9	49.9	50.9
65°	4.7	4.2	4.2	4.2	6.1	19.8	41.9	41.4	42.4
67.5°	3.8	3.8	3.8	3.8	5.2	17.0	34.4	33.9	34.9
70°	3.3	3.3	3.3	3.3	4.2	14.1	27.8	27.3	28.3
72.5°	2.8	2.8	2.8	2.8	3.8	11.8	22.1	22.1	22.6
75°	2.4	2.4	2.4	2.4	3.3	8.9	17.9	17.9	18.4
77.5°	1.9	1.9	1.9	1.9	2.4	7.1	13.7	13.2	13.2
80°	0.9	1.4	1.4	1.4	1.9	5.2	9.9	8.9	8.9
82.5°	0.5	0.9	0.9	0.9	1.9	3.8	6.6	6.1	6.1
85°	0.5	0.5	0.5	1.4	1.9	2.8	4.2	4.2	4.2
87.5°	0.0	0.5	0.9	1.9	2.4	2.4	2.8	2.4	2.4
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)