

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: P799370

Luminaire Tested: **LD6C15D010 EU6159030 6LBMDSWGPH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799370  
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 EU6159030 6LBMDSWGPH  
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH GPH FINISH  
Light Source: -  
Ballast/Driver: -

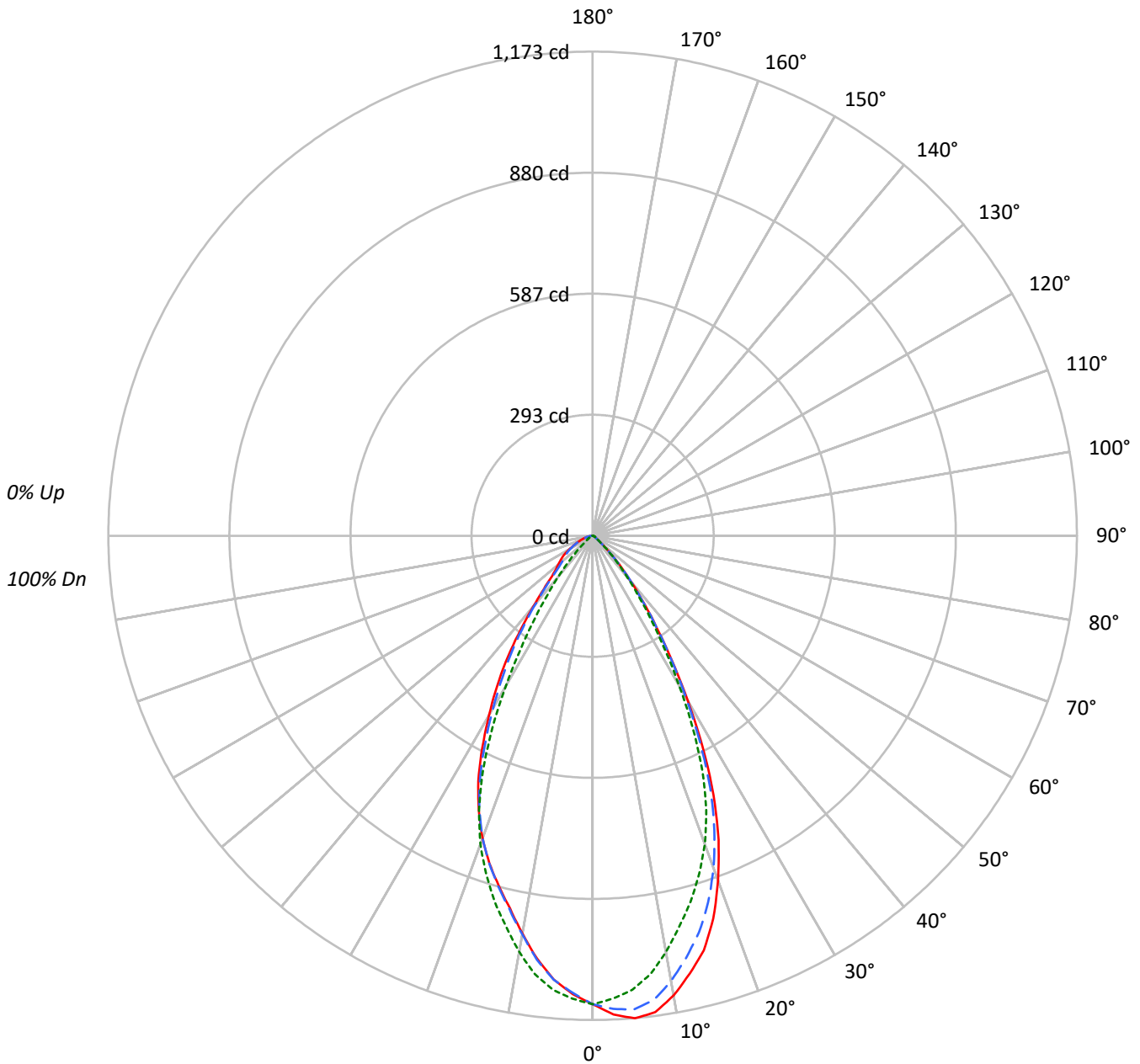
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 977.0 lumens  
Efficiency: N/A  
Efficacy: 61.8 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				
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92				92				
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85				85				
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78				78				
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73				73				
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67				67				
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63				63				
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59				59				
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55				55				
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52				52				
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49				49				

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

	0°	90°	180°
0°	62210	62210	62210
5°	64572	60747	59377
10°	62925	56980	54475
15°	59013	52066	49819
20°	51805	46350	45469
25°	41900	38083	39649
30°	29131	26529	31733
35°	17955	16249	23952
40°	10162	9110	15908
45°	4931	4706	10854
50°	1876	1876	9228
55°	1032	1214	8516
60°	757	965	6973
65°	636	830	5720
70°	545	705	4712
75°	508	720	4046
80°	316	631	2936
85°	314	1258	2768



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.9	10.6
10°-20°	261.1	26.7
20°-30°	293.9	30.1
30°-40°	182.0	18.6
40°-50°	72.5	7.4
50°-60°	33.0	3.4
60°-70°	19.0	1.9
70°-80°	9.0	0.9
80°-90°	2.6	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°	658.9	67.4
0°-40°	840.9	86.1
0°-60°	946.4	96.9
0°-90°	977.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	977.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1135	1135	1135	1135	1135	
5°	1173	1152	1104	1080	1079	111
15°	1040	995	917	880	878	288
25°	693	674	630	645	656	311
35°	268	267	243	338	358	172
45°	64	64	61	132	140	54
55°	11	10	13	78	89	11
65°	5	4	6	44	44	5
75°	2	2	3	19	19	3
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°	1134.8	1134.8	1134.8	1134.8	1134.8	1134.8	1134.8	1134.8	1134.8
2.5°	1160.7	1149.9	1147.5	1138.2	1122.5	1113.7	1108.3	1104.4	1111.3
5°	1173.4	1161.7	1151.9	1132.8	1103.9	1087.8	1079.9	1073.6	1079.0
7.5°	1164.1	1147.5	1134.3	1107.8	1071.1	1046.2	1035.4	1028.1	1032.9
10°	1130.4	1110.3	1095.1	1063.8	1023.6	993.8	980.6	973.7	978.6
12.5°	1086.3	1069.7	1046.7	1012.4	969.3	938.0	928.2	922.8	924.8
15°	1039.8	1020.2	994.8	960.5	917.4	886.1	880.2	876.8	877.8
17.5°	972.2	953.2	931.1	897.8	858.2	832.7	832.7	830.3	831.7
20°	888.0	877.8	856.2	828.3	794.5	771.5	778.9	776.4	779.4
22.5°	797.0	789.2	770.5	747.5	719.1	701.0	717.2	716.7	720.6
25°	692.7	686.8	674.1	654.5	629.6	618.3	645.2	645.2	655.5
27.5°	577.7	571.8	563.0	546.3	525.8	522.3	562.0	566.9	578.2
30°	460.2	456.3	451.4	436.2	419.1	425.4	480.2	488.6	501.3
32.5°	355.4	353.0	351.5	337.8	322.6	343.7	406.3	417.1	429.8
35°	268.3	262.9	266.8	256.5	242.8	269.3	338.3	347.6	357.9
37.5°	197.8	193.9	197.3	189.9	177.7	206.6	271.7	277.6	284.4
40°	142.0	138.5	141.5	137.1	127.3	154.2	213.0	219.3	222.3
42.5°	100.8	95.0	97.9	94.5	89.6	116.0	167.4	173.3	174.3
45°	63.6	61.7	63.6	61.7	60.7	86.2	132.2	137.6	140.0
47.5°	38.7	36.2	36.2	35.2	36.2	63.6	109.2	117.0	120.9
50°	22.0	21.1	20.6	20.1	22.0	49.9	94.5	103.3	108.2
52.5°	14.7	14.2	14.2	13.7	16.2	42.1	85.2	93.0	97.9
55°	10.8	10.3	10.3	10.3	12.7	36.2	78.3	84.7	89.1
57.5°	8.3	8.3	8.3	7.8	10.8	30.8	70.0	73.4	76.9
60°	6.9	6.4	6.4	6.4	8.8	26.4	60.2	61.7	63.6
62.5°	5.4	5.4	5.4	5.4	7.3	23.5	51.9	51.9	52.9
65°	4.9	4.4	4.4	4.4	6.4	20.6	43.6	43.1	44.1
67.5°	3.9	3.9	3.9	3.9	5.4	17.6	35.7	35.2	36.2
70°	3.4	3.4	3.4	3.4	4.4	14.7	28.9	28.4	29.4
72.5°	2.9	2.9	2.9	2.9	3.9	12.2	23.0	23.0	23.5
75°	2.4	2.4	2.4	2.4	3.4	9.3	18.6	18.6	19.1
77.5°	2.0	2.0	2.0	2.0	2.4	7.3	14.2	13.7	13.7
80°	1.0	1.5	1.5	1.5	2.0	5.4	10.3	9.3	9.3
82.5°	0.5	1.0	1.0	1.0	2.0	3.9	6.9	6.4	6.4
85°	0.5	0.5	0.5	1.5	2.0	2.9	4.4	4.4	4.4
87.5°	0.0	0.5	1.0	2.0	2.4	2.4	2.9	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)