

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: P799400

Luminaire Tested: **LD6C15D010 EU6159050 6LBMDDWGPB**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799400  
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 EU6159050 6LBMDDWGPH  
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH GPH FINISH  
Light Source: -  
Ballast/Driver: -

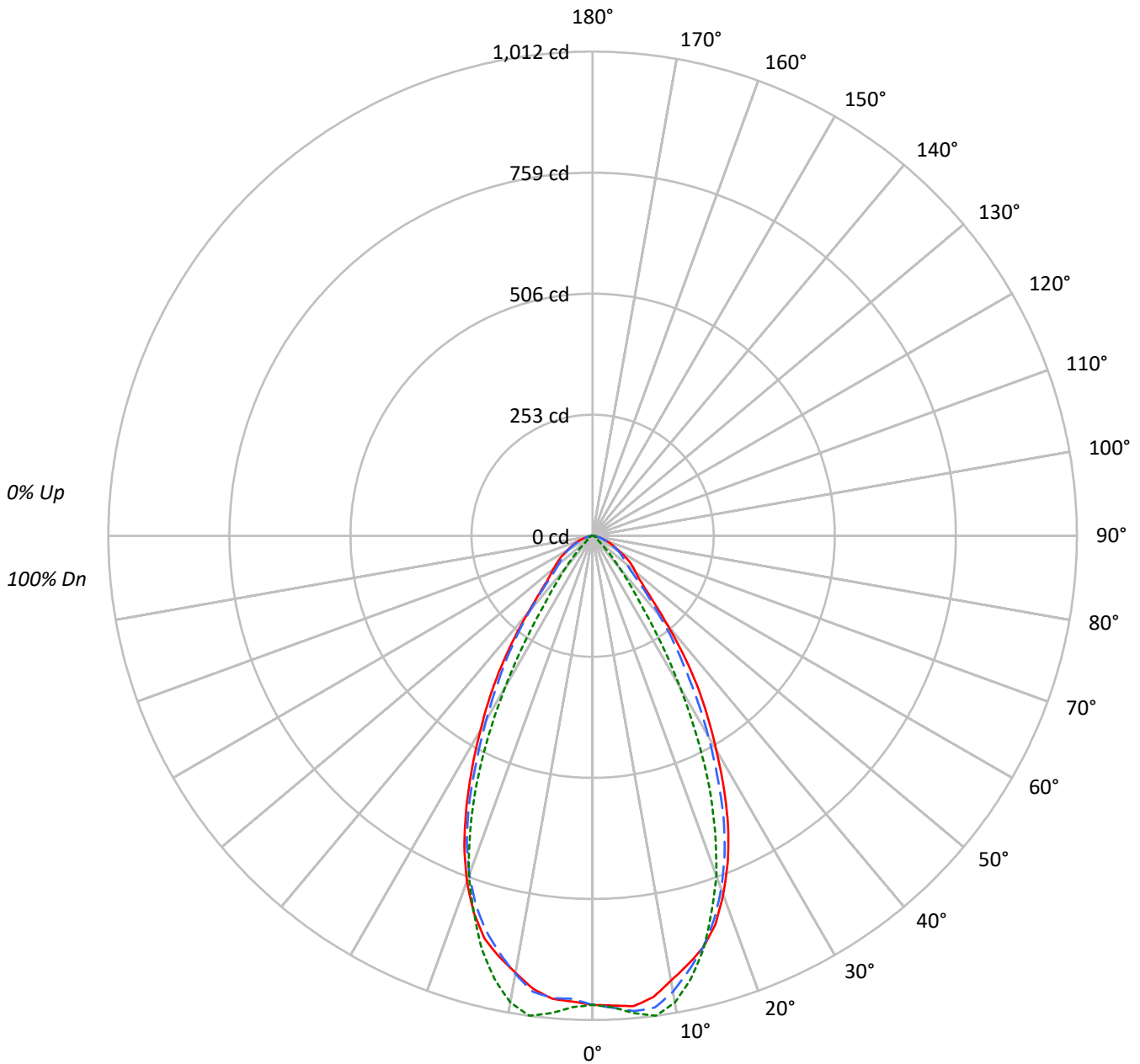
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 998.0 lumens  
Efficiency: N/A  
Efficacy: 63.2 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°	53740	53740	53740
5°	54303	55123	53450
10°	52543	55126	51625
15°	50568	50766	49495
20°	46542	44098	44798
25°	40508	34774	37732
30°	32670	23105	29637
35°	25330	11912	22259
40°	17375	6176	14985
45°	11908	3093	10513
50°	9910	1322	9015
55°	8908	1147	8057
60°	7050	1096	6721
65°	5824	973	5759
70°	4712	882	4712
75°	3495	953	3707
80°	2052	789	2210
85°	1572	943	1572



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.3	9.3
10°-20°	244.9	24.5
20°-30°	279.6	28.0
30°-40°	185.4	18.6
40°-50°	89.4	9.0
50°-60°	55.0	5.5
60°-70°	33.3	3.3
70°-80°	14.0	1.4
80°-90°	3.1	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°	617.8	61.9
0°-40°	803.2	80.5
0°-60°	947.6	94.9
0°-90°	998.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	998.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	980	980	980	980	980	
5°	987	997	1002	970	971	93
15°	891	891	894	857	872	248
25°	670	647	575	608	624	304
35°	378	334	178	311	333	234
45°	154	135	40	126	136	125
55°	93	76	12	76	84	82
65°	45	43	8	40	44	45
75°	16	16	4	16	18	18
85°	2	4	2	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°	980.3	980.3	980.3	980.3	980.3	980.3	980.3	980.3	980.3
2.5°	982.8	984.3	987.3	987.8	986.3	976.8	968.8	971.8	974.3
5°	986.8	989.8	997.3	1004.2	1001.7	985.8	969.8	969.3	971.3
7.5°	972.3	979.3	994.8	1012.2	1011.7	984.3	960.9	954.9	954.9
10°	943.9	950.4	967.3	990.8	990.3	955.9	929.9	926.9	927.4
12.5°	918.5	921.5	929.9	948.4	948.4	914.5	894.5	897.5	901.5
15°	891.0	893.0	891.0	897.0	894.5	866.6	856.6	866.1	872.1
17.5°	852.2	853.1	842.7	834.7	825.2	807.8	810.3	824.2	825.7
20°	797.8	804.3	785.3	764.9	755.9	739.5	753.4	768.9	767.9
22.5°	738.0	745.4	721.0	687.1	668.7	662.2	687.1	701.1	700.6
25°	669.7	675.1	647.2	599.8	574.9	573.9	608.3	622.8	623.8
27.5°	592.9	594.9	563.4	501.6	470.7	478.2	521.6	541.5	544.0
30°	516.1	515.1	482.7	405.9	365.0	385.4	443.8	465.7	468.2
32.5°	445.8	442.8	405.9	314.1	265.3	295.7	372.5	395.4	399.4
35°	378.5	373.5	333.6	232.4	178.0	223.4	311.1	331.1	332.6
37.5°	308.2	305.7	274.2	174.0	124.2	169.5	253.8	268.3	266.8
40°	242.8	242.8	216.9	129.1	86.3	126.2	200.9	213.9	209.4
42.5°	190.5	193.0	171.0	95.2	61.3	93.7	159.1	171.0	166.0
45°	153.6	153.6	134.6	70.8	39.9	69.8	125.7	136.6	135.6
47.5°	130.1	128.1	109.2	51.9	21.9	52.4	105.7	119.2	118.7
50°	116.2	113.2	93.7	40.9	15.5	43.4	92.7	105.2	105.7
52.5°	105.2	100.7	84.3	36.4	13.5	37.9	84.3	94.2	94.2
55°	93.2	90.7	75.8	32.4	12.0	33.9	75.8	84.8	84.3
57.5°	78.8	78.3	67.8	29.4	11.0	29.9	67.8	73.3	71.3
60°	64.3	66.3	58.8	26.4	10.0	26.9	57.8	62.3	61.3
62.5°	53.9	56.3	51.4	23.4	8.5	23.9	48.9	53.4	52.4
65°	44.9	46.9	42.9	19.9	7.5	19.9	40.4	44.4	44.4
67.5°	36.9	38.4	35.4	16.5	6.5	16.5	32.9	36.4	36.9
70°	29.4	30.4	27.9	13.0	5.5	13.5	25.9	29.4	29.4
72.5°	22.9	23.4	21.9	10.5	5.0	10.5	19.9	22.9	22.9
75°	16.5	17.5	16.5	8.0	4.5	8.0	15.5	17.0	17.5
77.5°	9.5	12.0	12.0	6.5	3.5	6.0	11.0	11.5	11.5
80°	6.5	7.5	8.5	4.5	2.5	4.5	7.0	7.5	7.0
82.5°	4.5	5.0	5.0	3.0	2.0	3.0	4.5	5.0	4.5
85°	2.5	3.5	3.5	2.5	1.5	2.0	2.5	3.0	2.5
87.5°	1.5	2.0	2.5	2.0	1.5	1.5	1.5	1.5	1.0
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)