

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: P568278

Luminaire Tested: **LD6C150D010 EU61509027 6LBMWH**

Issue Date: 10/10/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P568278  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203254)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/10/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C150D010 EU61509027 6LBMWH  
Description: 6 INCH 15000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBM TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

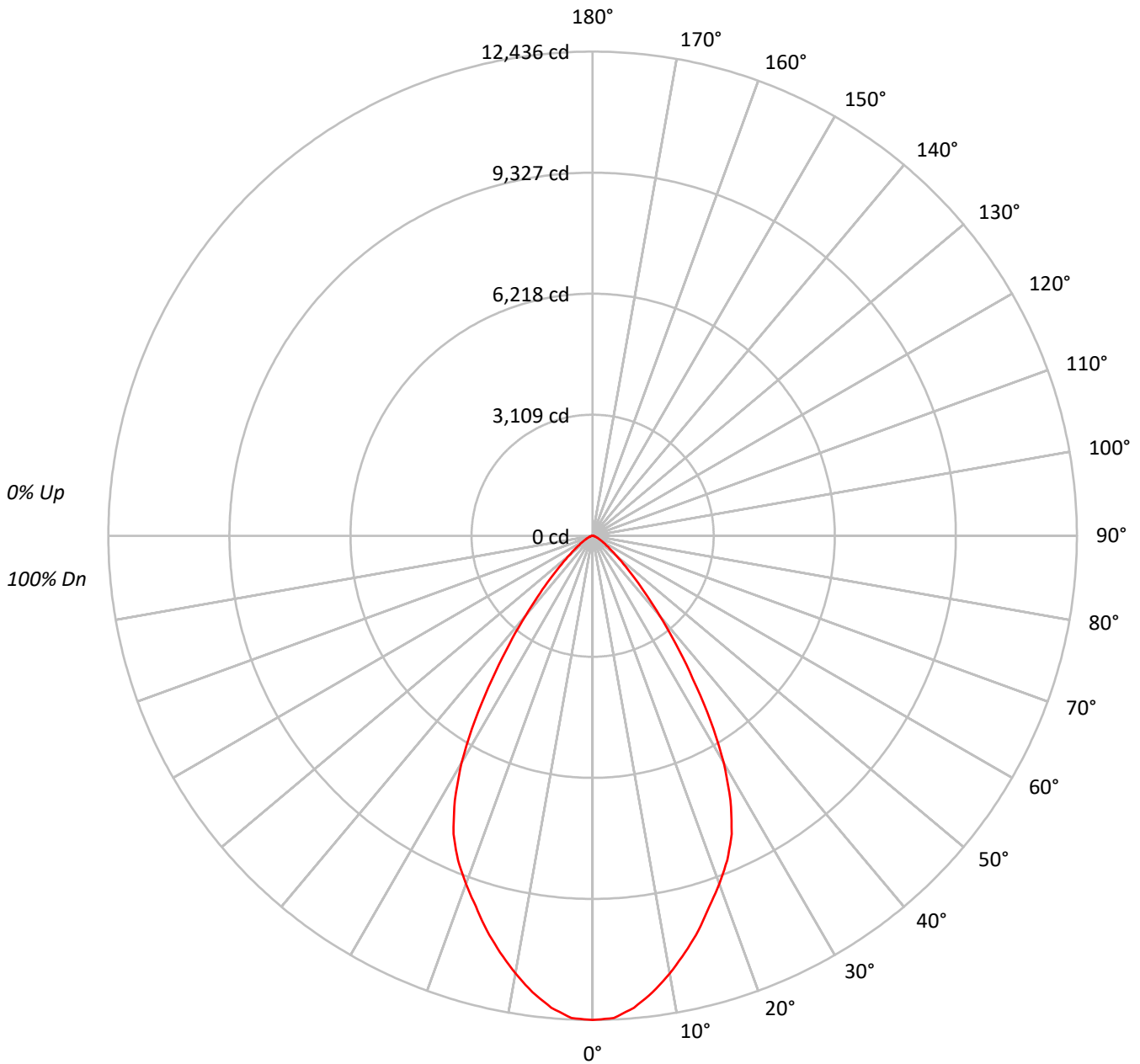
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12566.0 lumens  
Efficiency: N/A  
Efficacy: 73.4 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 171.1  
Input Voltage (V):  
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									
RC	80									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	111	108	105	103	104	102	100	100	99	97	97	95	94	92			92																
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85																
3	101	94	88	84	99	92	87	84	90	86	82	87	84	81	85	82	80	78			78																
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72			72																
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66			66																
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61			61																
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			57																
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53			53																
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49			49																
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46			46																

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

	0°
0°	681744
5°	669539
10°	635326
15°	595770
20°	554845
25°	511233
30°	425977
35°	300237
40°	191344
45°	114105
50°	67350
55°	42847
60°	29504
65°	20949
70°	14426
75°	11395
80°	5588
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1137.1	9.0
10°-20°	2941.5	23.4
20°-30°	3811.4	30.3
30°-40°	2829.7	22.5
40°-50°	1194.6	9.5
50°-60°	424.1	3.4
60°-70°	163.7	1.3
70°-80°	56.7	0.5
80°-90°	7.2	0.1
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°	7890.0	62.8
0°-40°	10719.7	85.3
0°-60°	12338.4	98.2
0°-90°	12566.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12566.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	12436	
5°	12167	###
15°	10497	2942
25°	8452	3811
35°	4486	2830
45°	1472	1195
55°	448	424
65°	162	164
75°	54	57
85°	0	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	12436.0
2.5°	12399.9
5°	12166.9
7.5°	11825.5
10°	11413.2
12.5°	10964.2
15°	10497.4
17.5°	9977.6
20°	9510.8
22.5°	9026.3
25°	8451.9
27.5°	7662.2
30°	6729.4
32.5°	5634.4
35°	4486.3
37.5°	3517.3
40°	2673.8
42.5°	1991.7
45°	1471.8
47.5°	1076.6
50°	789.7
52.5°	592.1
55°	448.3
57.5°	340.7
60°	269.1
62.5°	197.6
65°	161.5
67.5°	125.4
70°	90.0
72.5°	71.5
75°	53.8
77.5°	36.1
80°	17.7
82.5°	17.7
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)