

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: P568281

Luminaire Tested: **LD6C150D010 EU61509027 6LBNH**

Issue Date: 10/10/2022



Test Information

Test Method: LM-79-08
Report Number: P568281
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203666)
Test Lab: INNOVATION CENTER
Issue Date: 10/10/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C150D010 EU61509027 6LBNH
Description: 6 INCH 15000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBN TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

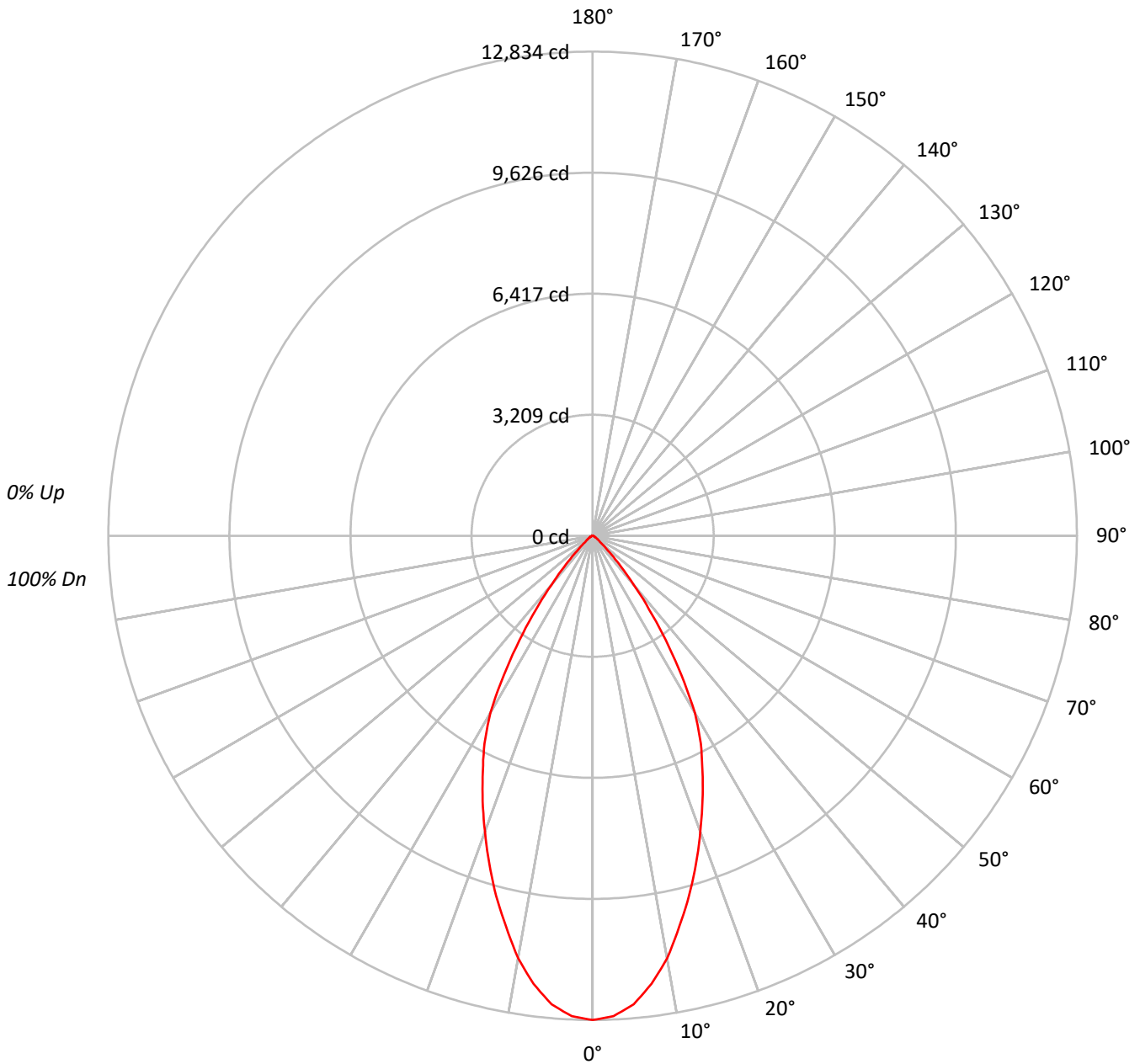
Lumens per Lamp: N/A
Luminaire Lumens: 10012.0 lumens
Efficiency: N/A
Efficacy: 58.5 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 171.1
Input Voltage (V):
Input Current (A_{in}): 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	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81			
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75			
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70			
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61			
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58			
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54			
10	72	62	57	53	71	62	57	53	61	56	53	60	56	52	60	55	52	51			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	703584
5°	686169
10°	633138
15°	560548
20°	486711
25°	416304
30°	343217
35°	226019
40°	121499
45°	53789
50°	21816
55°	15732
60°	9999
65°	7147
70°	5882
75°	3897
80°	5809
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1154.1	11.5
10°-20°	2752.3	27.5
20°-30°	3153.1	31.5
30°-40°	2118.5	21.2
40°-50°	605.2	6.0
50°-60°	148.2	1.5
60°-70°	56.3	0.6
70°-80°	21.8	0.2
80°-90°	2.5	0.0
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°	7059.5	70.5
0°-40°	9178.0	91.7
0°-60°	9931.4	99.2
0°-90°	10012.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10012.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12834	
5°	12469	###
15°	9877	2752
25°	6882	3153
35°	3377	2118
45°	694	605
55°	165	148
65°	55	56
75°	18	22
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12834.4
2.5°	12743.2
5°	12469.1
7.5°	11976.0
10°	11373.9
12.5°	10606.7
15°	9876.8
17.5°	9110.2
20°	8342.9
22.5°	7613.0
25°	6882.5
27.5°	6207.0
30°	5422.0
32.5°	4381.3
35°	3377.3
37.5°	2464.4
40°	1697.8
42.5°	1113.5
45°	693.8
47.5°	419.7
50°	255.8
52.5°	200.7
55°	164.6
57.5°	127.9
60°	91.2
62.5°	72.8
65°	55.1
67.5°	36.7
70°	36.7
72.5°	18.4
75°	18.4
77.5°	18.4
80°	18.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)