

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: P568283

Luminaire Tested: **LD6C150D010 EU61509027 6LBNWH**

Issue Date: 10/10/2022



Test Information

Test Method: LM-79-08
Report Number: P568283
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 6LBNWH
Description: 6 INCH 15000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBN TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

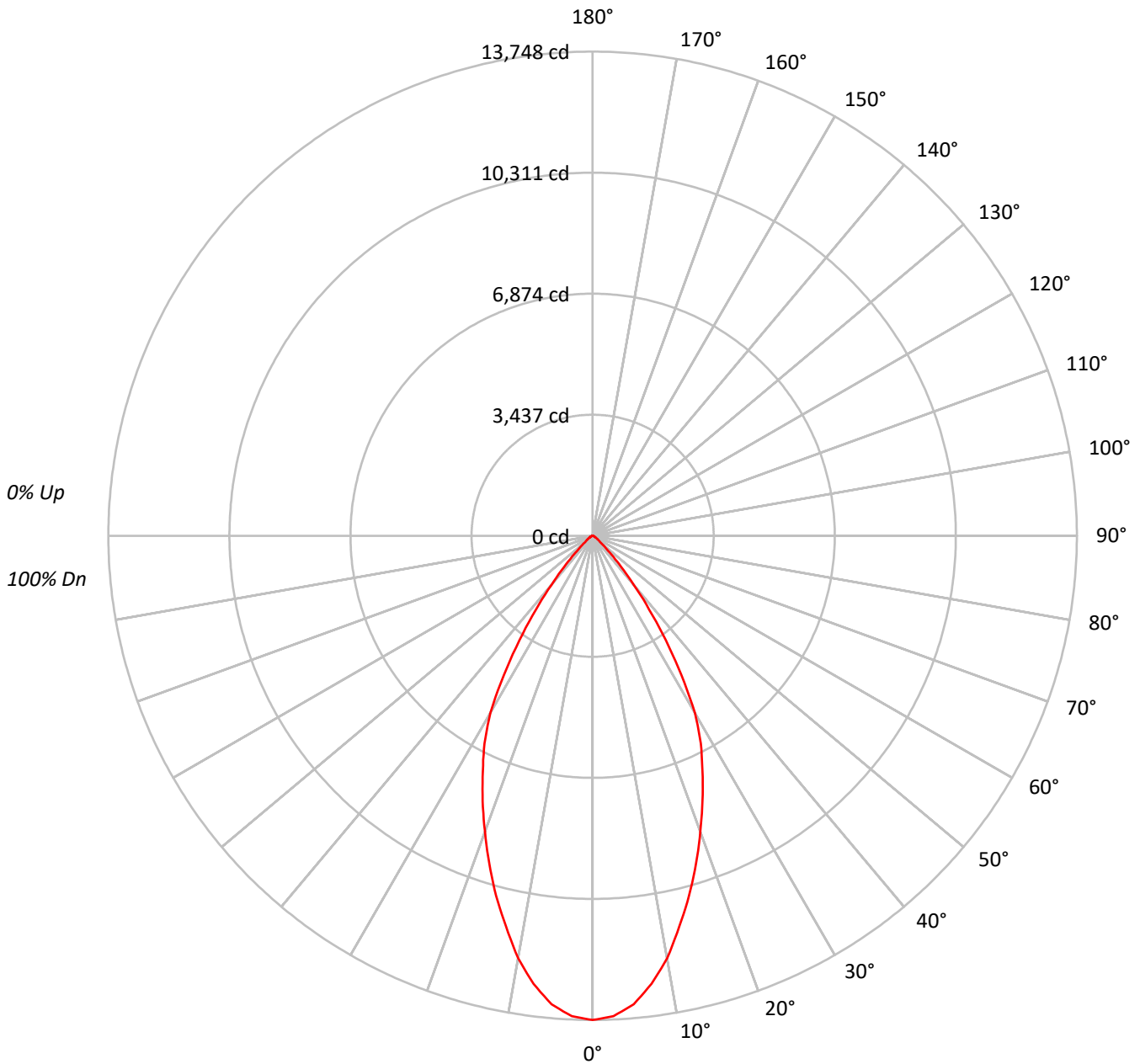
Lumens per Lamp: N/A
Luminaire Lumens: 10725.0 lumens
Efficiency: N/A
Efficacy: 62.7 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	753690
5°	735036
10°	678227
15°	600469
20°	521370
25°	445949
30°	367664
35°	242114
40°	130151
45°	57618
50°	23368
55°	16850
60°	10701
65°	7653
70°	6299
75°	4173
80°	6219
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1236.3	11.5
10°-20°	2948.3	27.5
20°-30°	3377.6	31.5
30°-40°	2269.3	21.2
40°-50°	648.3	6.0
50°-60°	158.7	1.5
60°-70°	60.3	0.6
70°-80°	23.4	0.2
80°-90°	2.7	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°	7562.2	70.5
0°-40°	9831.6	91.7
0°-60°	10638.6	99.2
0°-90°	10725.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10725.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13748	
5°	13357	###
15°	10580	2948
25°	7373	3378
35°	3618	2269
45°	743	648
55°	176	159
65°	59	60
75°	20	23
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13748.4
2.5°	13650.7
5°	13357.1
7.5°	12828.8
10°	12183.9
12.5°	11362.0
15°	10580.2
17.5°	9758.9
20°	8937.0
22.5°	8155.2
25°	7372.6
27.5°	6649.0
30°	5808.2
32.5°	4693.3
35°	3617.8
37.5°	2639.9
40°	1818.7
42.5°	1192.8
45°	743.2
47.5°	449.6
50°	274.0
52.5°	215.0
55°	176.3
57.5°	137.0
60°	97.6
62.5°	78.0
65°	59.0
67.5°	39.3
70°	39.3
72.5°	19.7
75°	19.7
77.5°	19.7
80°	19.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)