

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: P568280

Luminaire Tested: **LD6C150D010 EU61509027 6LBNGPH**

Issue Date: 10/10/2022



Test Information

Test Method: LM-79-08
Report Number: P568280
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 6LBNGPH
Description: 6 INCH 15000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBN TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

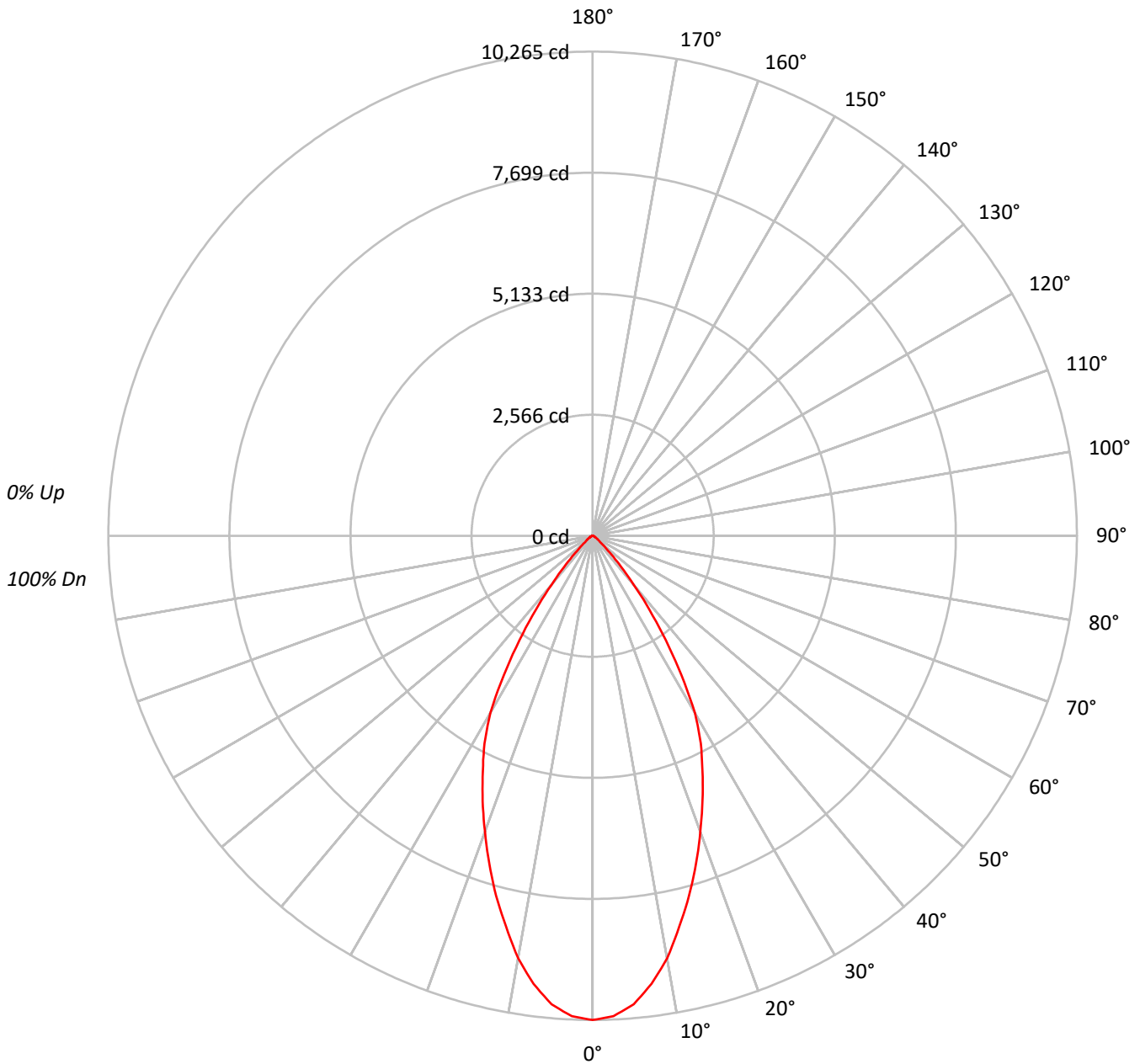
Lumens per Lamp: N/A
Luminaire Lumens: 8008.0 lumens
Efficiency: N/A
Efficacy: 46.8 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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
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°	562751
5°	548826
10°	506409
15°	448345
20°	389292
25°	332977
30°	274523
35°	180779
40°	97182
45°	43020
50°	17449
55°	12587
60°	7993
65°	5720
70°	4712
75°	3114
80°	4641
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	923.1	11.5
10°-20°	2201.4	27.5
20°-30°	2522.0	31.5
30°-40°	1694.4	21.2
40°-50°	484.1	6.0
50°-60°	118.5	1.5
60°-70°	45.1	0.6
70°-80°	17.5	0.2
80°-90°	2.0	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°	5646.5	70.5
0°-40°	7340.9	91.7
0°-60°	7943.5	99.2
0°-90°	8008.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8008.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10265	
5°	9973	923
15°	7900	2201
25°	5505	2522
35°	2701	1694
45°	555	484
55°	132	119
65°	44	45
75°	15	17
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10265.4
2.5°	10192.5
5°	9973.3
7.5°	9578.8
10°	9097.3
12.5°	8483.6
15°	7899.8
17.5°	7286.7
20°	6673.0
22.5°	6089.2
25°	5504.9
27.5°	4964.6
30°	4336.8
32.5°	3504.3
35°	2701.3
37.5°	1971.2
40°	1358.0
42.5°	890.6
45°	554.9
47.5°	335.7
50°	204.6
52.5°	160.5
55°	131.7
57.5°	102.3
60°	72.9
62.5°	58.2
65°	44.1
67.5°	29.4
70°	29.4
72.5°	14.7
75°	14.7
77.5°	14.7
80°	14.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)