

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: P683863

Luminaire Tested: **LX6C100D010 EX6C1009027 6LBNH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P683863
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203666)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C100D010 EX6C1009027 6LBNH
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBN TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

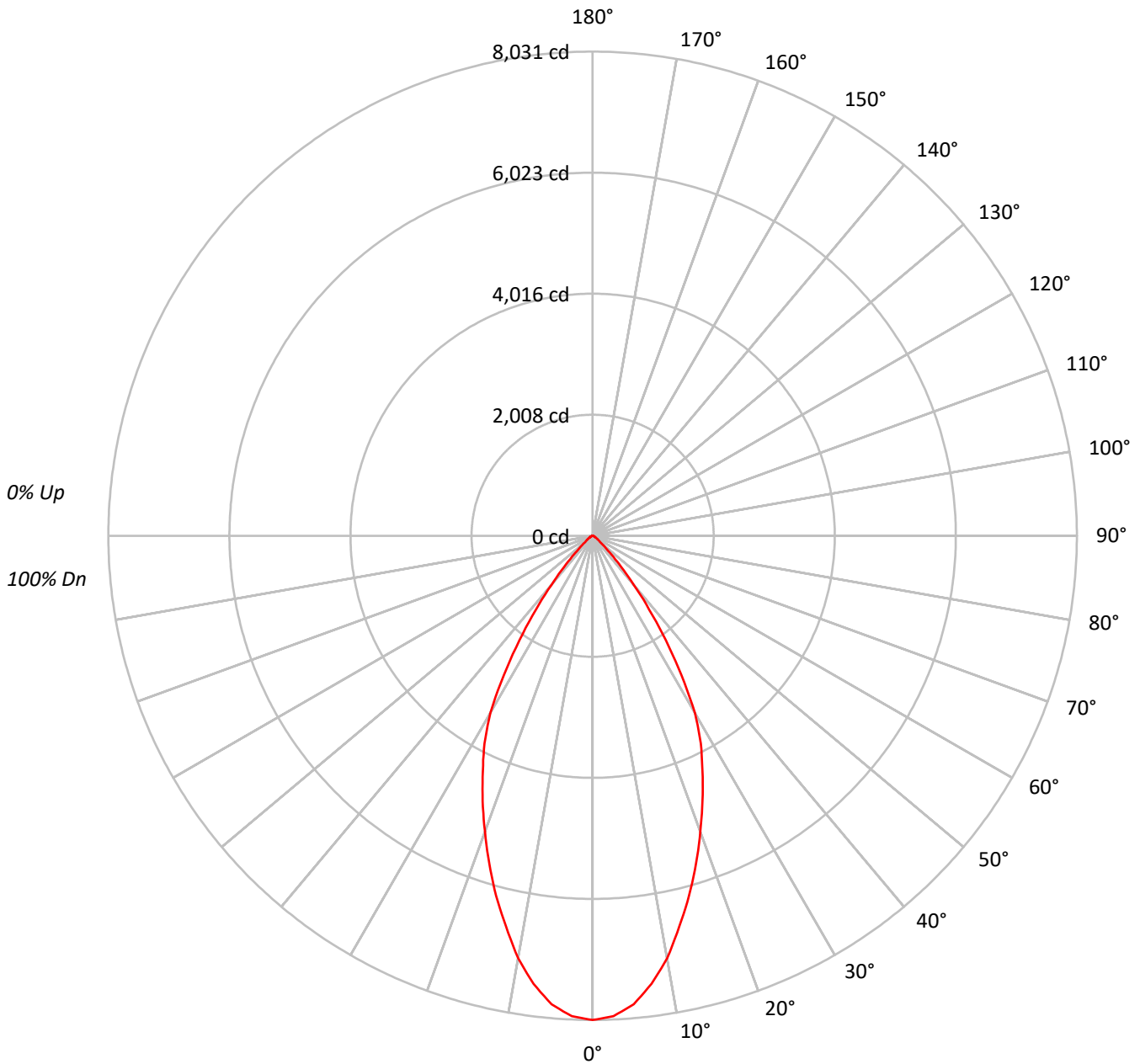
Lumens per Lamp: N/A
Luminaire Lumens: 6265.0 lumens
Efficiency: N/A
Efficacy: 54.8 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 114.4
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°	440266
5°	429368
10°	396185
15°	350763
20°	304561
25°	260501
30°	214767
35°	141429
40°	76028
45°	33662
50°	13646
55°	9844
60°	6249
65°	4475
70°	3687
75°	2436
80°	3631
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	722.2	11.5
10°-20°	1722.3	27.5
20°-30°	1973.0	31.5
30°-40°	1325.6	21.2
40°-50°	378.7	6.0
50°-60°	92.7	1.5
60°-70°	35.2	0.6
70°-80°	13.7	0.2
80°-90°	1.6	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°	4417.5	70.5
0°-40°	5743.1	91.7
0°-60°	6214.5	99.2
0°-90°	6265.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6265.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8031	
5°	7802	722
15°	6180	1722
25°	4307	1973
35°	2113	1326
45°	434	379
55°	103	93
65°	34	35
75°	12	14
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8031.1
2.5°	7974.1
5°	7802.5
7.5°	7493.9
10°	7117.2
12.5°	6637.1
15°	6180.4
17.5°	5700.7
20°	5220.6
22.5°	4763.8
25°	4306.7
27.5°	3884.0
30°	3392.8
32.5°	2741.6
35°	2113.3
37.5°	1542.1
40°	1062.4
42.5°	696.8
45°	434.2
47.5°	262.6
50°	160.0
52.5°	125.6
55°	103.0
57.5°	80.0
60°	57.0
62.5°	45.5
65°	34.5
67.5°	23.0
70°	23.0
72.5°	11.5
75°	11.5
77.5°	11.5
80°	11.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)