

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: P683923

Luminaire Tested: **LX6C100D010 EX6C1009050 6LBNH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P683923
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 EX6C1009050 6LBNH
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBN TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

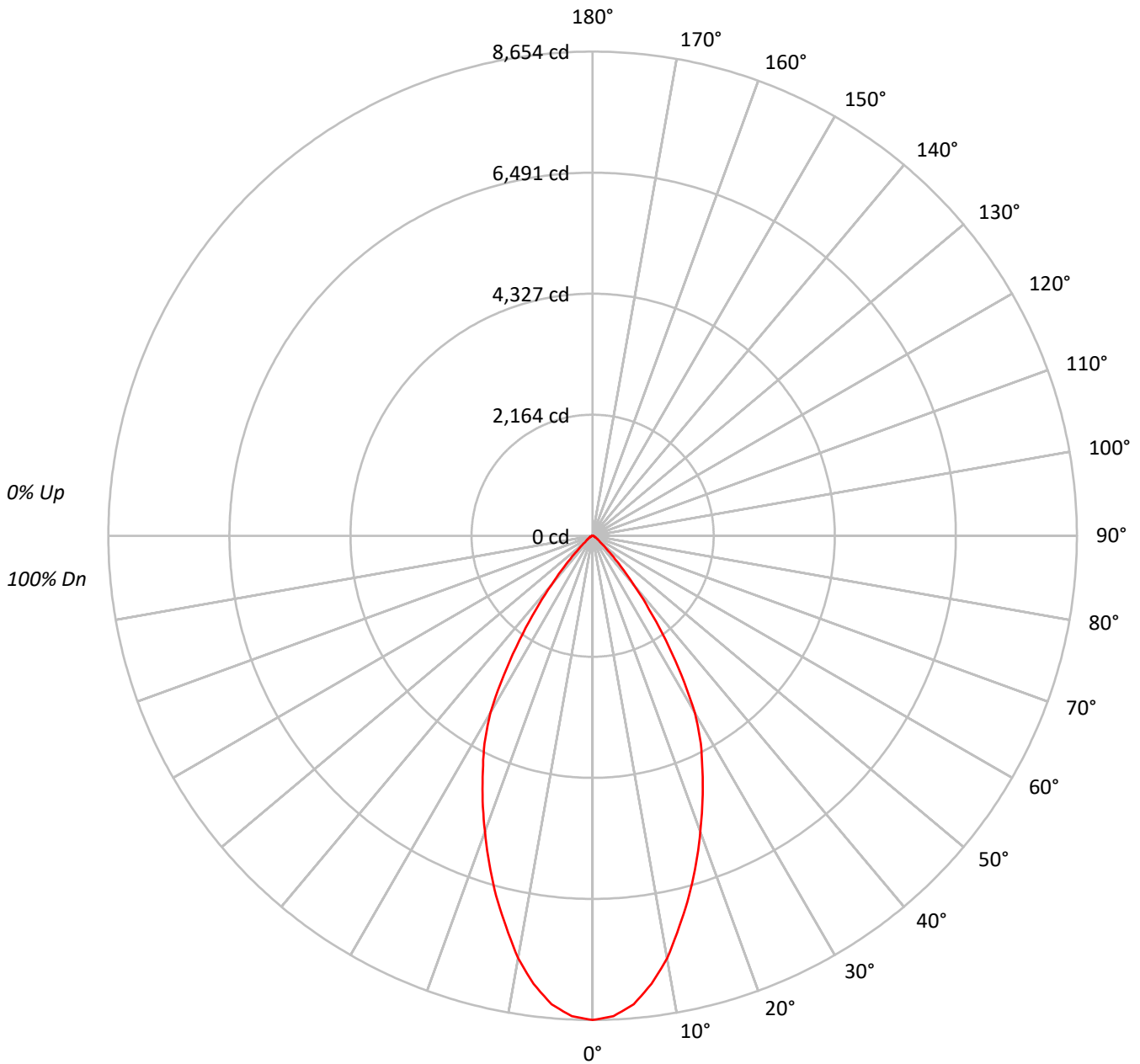
Lumens per Lamp: N/A
Luminaire Lumens: 6751.0 lumens
Efficiency: N/A
Efficacy: 59.0 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	474419
5°	462678
10°	426918
15°	377970
20°	328183
25°	280710
30°	231428
35°	152404
40°	81925
45°	36267
50°	14712
55°	10609
60°	6743
65°	4812
70°	3975
75°	2626
80°	3915
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	778.2	11.5
10°-20°	1855.9	27.5
20°-30°	2126.1	31.5
30°-40°	1428.5	21.2
40°-50°	408.1	6.0
50°-60°	99.9	1.5
60°-70°	38.0	0.6
70°-80°	14.7	0.2
80°-90°	1.7	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°	4760.2	70.5
0°-40°	6188.6	91.7
0°-60°	6696.6	99.2
0°-90°	6751.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6751.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8654	
5°	8408	778
15°	6660	1856
25°	4641	2126
35°	2277	1428
45°	468	408
55°	111	100
65°	37	38
75°	12	15
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8654.1
2.5°	8592.6
5°	8407.8
7.5°	8075.3
10°	7669.3
12.5°	7152.0
15°	6659.8
17.5°	6142.9
20°	5625.5
22.5°	5133.4
25°	4640.8
27.5°	4185.3
30°	3656.0
32.5°	2954.3
35°	2277.3
37.5°	1661.8
40°	1144.8
42.5°	750.8
45°	467.8
47.5°	283.0
50°	172.5
52.5°	135.3
55°	111.0
57.5°	86.2
60°	61.5
62.5°	49.1
65°	37.1
67.5°	24.8
70°	24.8
72.5°	12.4
75°	12.4
77.5°	12.4
80°	12.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)