

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: P683878

Luminaire Tested: **LX6C100D010 EX6C1009030 6LBNH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P683878
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 EX6C1009030 6LBNH
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBN TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

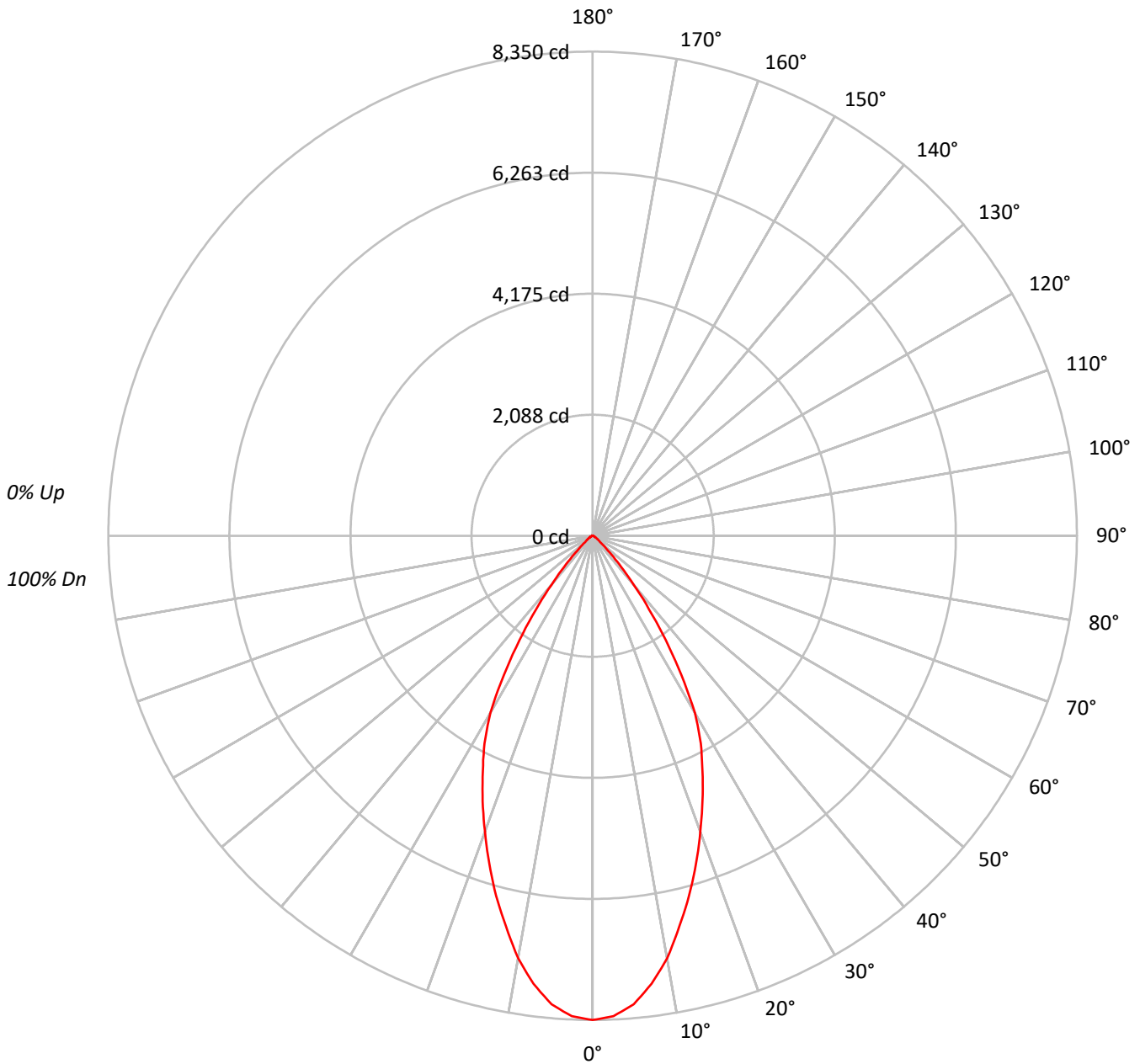
Lumens per Lamp: N/A
Luminaire Lumens: 6514.0 lumens
Efficiency: N/A
Efficacy: 56.9 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	457765
5°	446433
10°	411933
15°	364701
20°	316667
25°	270856
30°	223307
35°	147050
40°	79048
45°	34996
50°	14191
55°	10236
60°	6502
65°	4644
70°	3831
75°	2521
80°	3757
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	750.9	11.5
10°-20°	1790.7	27.5
20°-30°	2051.5	31.5
30°-40°	1378.3	21.2
40°-50°	393.8	6.0
50°-60°	96.4	1.5
60°-70°	36.6	0.6
70°-80°	14.1	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°	4593.1	70.5
0°-40°	5971.4	91.7
0°-60°	6461.6	99.2
0°-90°	6514.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6514.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8350	
5°	8113	751
15°	6426	1791
25°	4478	2051
35°	2197	1378
45°	451	394
55°	107	96
65°	36	37
75°	12	14
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8350.3
2.5°	8291.0
5°	8112.6
7.5°	7791.8
10°	7400.1
12.5°	6900.9
15°	6426.0
17.5°	5927.3
20°	5428.1
22.5°	4953.2
25°	4477.9
27.5°	4038.4
30°	3527.7
32.5°	2850.6
35°	2197.3
37.5°	1603.4
40°	1104.6
42.5°	724.5
45°	451.4
47.5°	273.1
50°	166.4
52.5°	130.6
55°	107.1
57.5°	83.2
60°	59.3
62.5°	47.4
65°	35.8
67.5°	23.9
70°	23.9
72.5°	11.9
75°	11.9
77.5°	11.9
80°	11.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)