

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: P683862

Luminaire Tested: **LX6C100D010 EX6C1009027 6LBMH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P683862
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203254)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C100D010 EX6C1009027 6LBMH
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

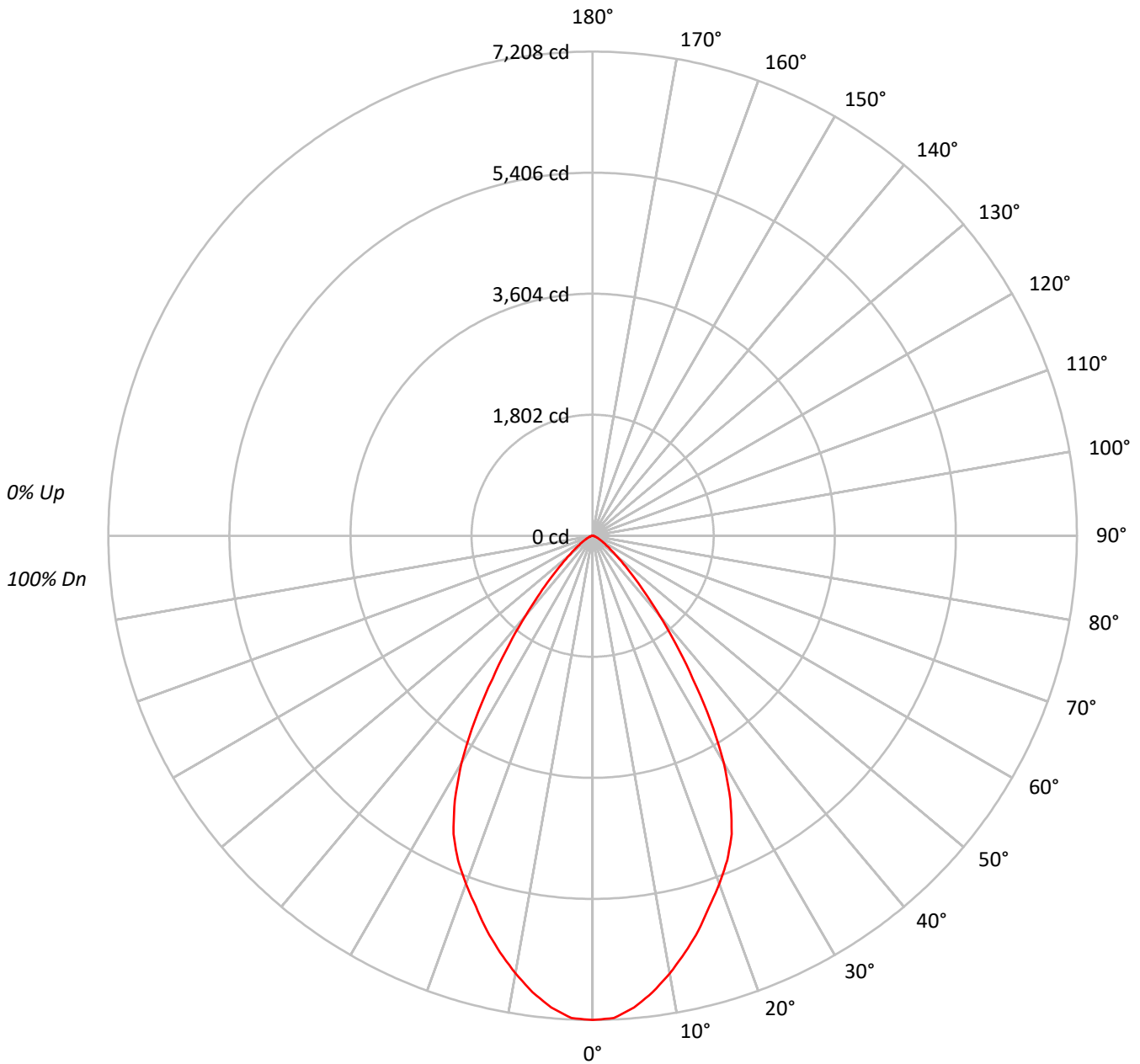
Lumens per Lamp: N/A
Luminaire Lumens: 7283.0 lumens
Efficiency: N/A
Efficacy: 63.7 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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			100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92			92
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85
3	101	94	88	84	99	92	87	84	90	86	82	87	84	81	85	82	80	78			78
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72			72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66			66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61			61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			57
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53			53
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49			49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46			46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	395127
5°	388052
10°	368224
15°	345297
20°	321579
25°	296303
30°	246886
35°	174007
40°	110901
45°	66131
50°	39035
55°	24840
60°	17104
65°	12141
70°	8351
75°	6608
80°	3252
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	659.0	9.0
10°-20°	1704.9	23.4
20°-30°	2209.0	30.3
30°-40°	1640.0	22.5
40°-50°	692.3	9.5
50°-60°	245.8	3.4
60°-70°	94.9	1.3
70°-80°	32.8	0.5
80°-90°	4.2	0.1
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°	4572.9	62.8
0°-40°	6212.9	85.3
0°-60°	7151.1	98.2
0°-90°	7283.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7283.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7208	
5°	7052	659
15°	6084	1705
25°	4899	2209
35°	2600	1640
45°	853	692
55°	260	246
65°	94	95
75°	31	33
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7207.7
2.5°	7186.7
5°	7051.7
7.5°	6853.8
10°	6614.9
12.5°	6354.6
15°	6084.1
17.5°	5782.8
20°	5512.3
22.5°	5231.5
25°	4898.6
27.5°	4440.8
30°	3900.2
32.5°	3265.6
35°	2600.1
37.5°	2038.6
40°	1549.7
42.5°	1154.3
45°	853.0
47.5°	624.0
50°	457.7
52.5°	343.2
55°	259.9
57.5°	197.5
60°	156.0
62.5°	114.5
65°	93.6
67.5°	72.7
70°	52.1
72.5°	41.5
75°	31.2
77.5°	20.9
80°	10.3
82.5°	10.3
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)