

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: P683892

Luminaire Tested: **LX6C100D010 EX6C1009035 6LBMH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P683892
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 EX6C1009035 6LBMH
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

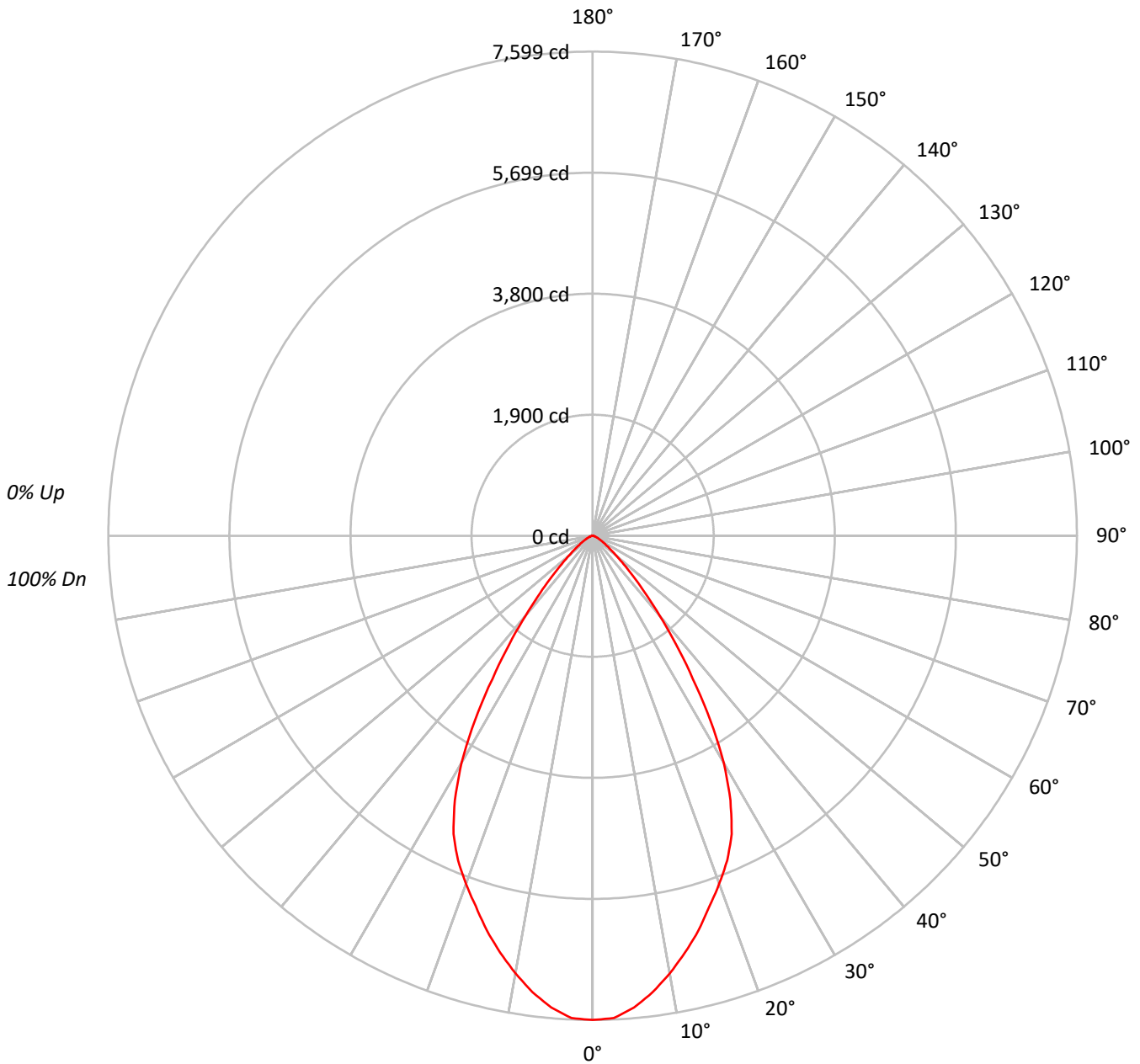
Lumens per Lamp: N/A
Luminaire Lumens: 7678.0 lumens
Efficiency: N/A
Efficacy: 67.1 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	416557
5°	409095
10°	388197
15°	364026
20°	339016
25°	312369
30°	260274
35°	183450
40°	116912
45°	69720
50°	41150
55°	26178
60°	18036
65°	12803
70°	8816
75°	6969
80°	3410
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	694.8	9.0
10°-20°	1797.3	23.4
20°-30°	2328.8	30.3
30°-40°	1729.0	22.5
40°-50°	729.9	9.5
50°-60°	259.1	3.4
60°-70°	100.0	1.3
70°-80°	34.6	0.5
80°-90°	4.4	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°	4820.9	62.8
0°-40°	6549.9	85.3
0°-60°	7538.9	98.2
0°-90°	7678.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7678.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7599	
5°	7434	695
15°	6414	1797
25°	5164	2329
35°	2741	1729
45°	899	730
55°	274	259
65°	99	100
75°	33	35
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7598.6
2.5°	7576.5
5°	7434.1
7.5°	7225.5
10°	6973.7
12.5°	6699.3
15°	6414.1
17.5°	6096.4
20°	5811.2
22.5°	5515.2
25°	5164.2
27.5°	4681.7
30°	4111.7
32.5°	3442.7
35°	2741.2
37.5°	2149.1
40°	1633.7
42.5°	1216.9
45°	899.3
47.5°	657.8
50°	482.5
52.5°	361.8
55°	273.9
57.5°	208.2
60°	164.5
62.5°	120.7
65°	98.7
67.5°	76.6
70°	55.0
72.5°	43.7
75°	32.9
77.5°	22.1
80°	10.8
82.5°	10.8
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)