

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: P684773

Luminaire Tested: **LX6C100D010 EX61009030 6LBSLI**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684773
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205419)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C100D010 EX61009030 6LBSLI
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

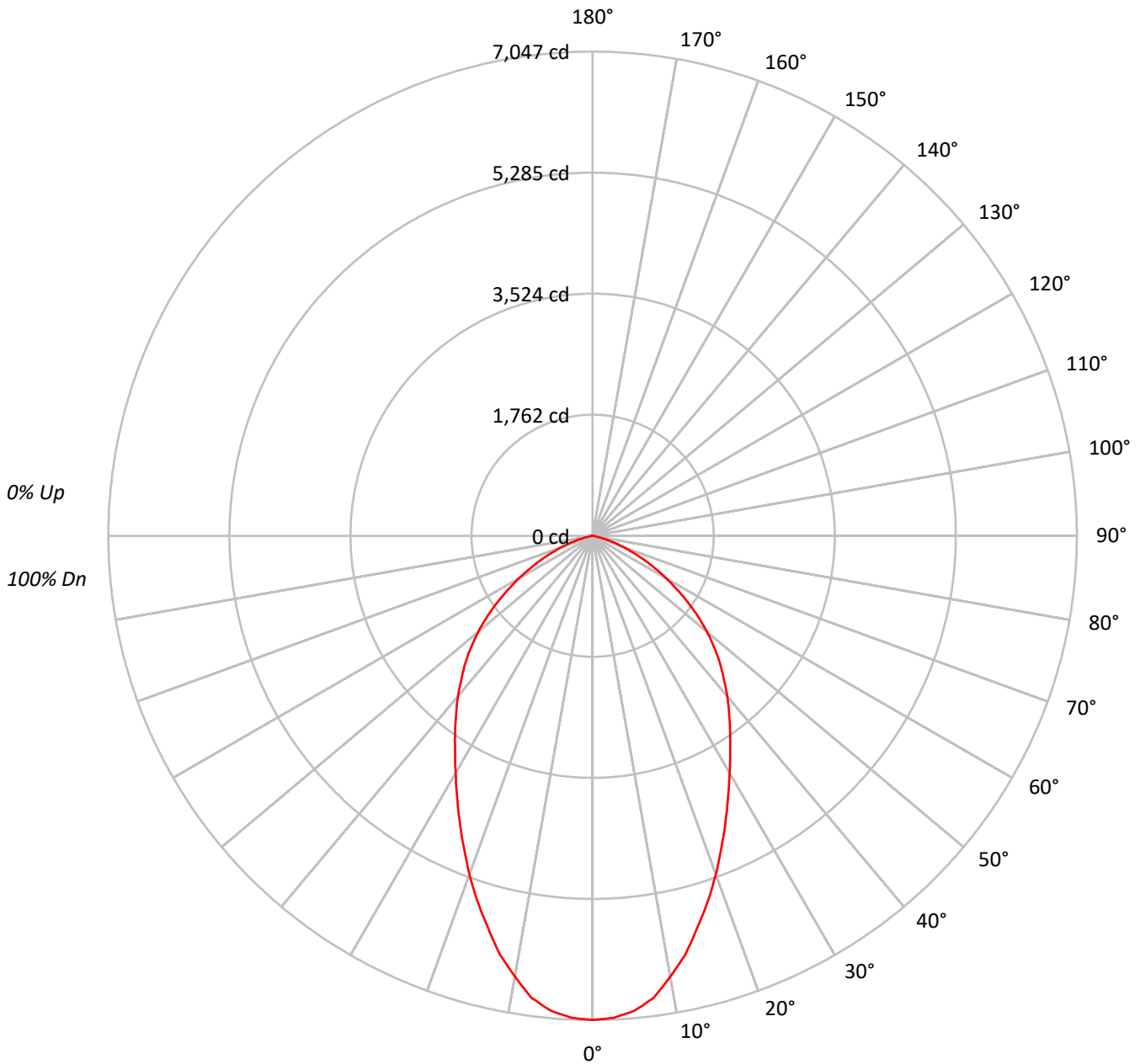
Lumens per Lamp: N/A
Luminaire Lumens: 11167.0 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89				89
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77				77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68				68
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60				60
5	82	71	63	57	80	70	62	57	67	61	56	66	60	55	64	59	55	53				53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47				47
7	71	59	51	46	70	58	51	45	57	50	45	55	49	45	54	49	45	43				43
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39				39
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36				36
10	59	47	40	35	58	46	39	35	45	39	35	45	39	34	44	38	34	33				33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	386312
5°	381911
10°	362552
15°	334627
20°	305909
25°	276996
30°	252324
35°	233421
40°	218187
45°	203254
50°	185154
55°	162135
60°	135274
65°	106172
70°	74163
75°	40180
80°	7514
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	649.4	5.8
10°-20°	1653.1	14.8
20°-30°	2108.1	18.9
30°-40°	2186.2	19.6
40°-50°	2014.4	18.0
50°-60°	1515.3	13.6
60°-70°	817.9	7.3
70°-80°	219.4	2.0
80°-90°	3.2	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°	4410.6	39.5
0°-40°	6596.8	59.1
0°-60°	10126.4	90.7
0°-90°	11167.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11167.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7047	
5°	6940	649
15°	5896	1653
25°	4579	2108
35°	3488	2186
45°	2622	2014
55°	1696	1515
65°	818	818
75°	190	219
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7046.9
2.5°	7023.3
5°	6940.1
7.5°	6785.9
10°	6513.0
12.5°	6240.3
15°	5896.1
17.5°	5576.0
20°	5243.7
22.5°	4899.8
25°	4579.4
27.5°	4271.0
30°	3986.1
32.5°	3725.1
35°	3487.9
37.5°	3262.4
40°	3048.9
42.5°	2823.6
45°	2621.7
47.5°	2396.5
50°	2171.0
52.5°	1933.8
55°	1696.4
57.5°	1459.2
60°	1233.8
62.5°	1020.2
65°	818.5
67.5°	628.8
70°	462.7
72.5°	320.4
75°	189.7
77.5°	82.9
80°	23.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)