

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: P684810

Luminaire Tested: **LX6C120D010 EX61209040 6LRMDLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684810
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-20)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C120D010 EX61209040 6LRMDLI
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LRMD45 TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

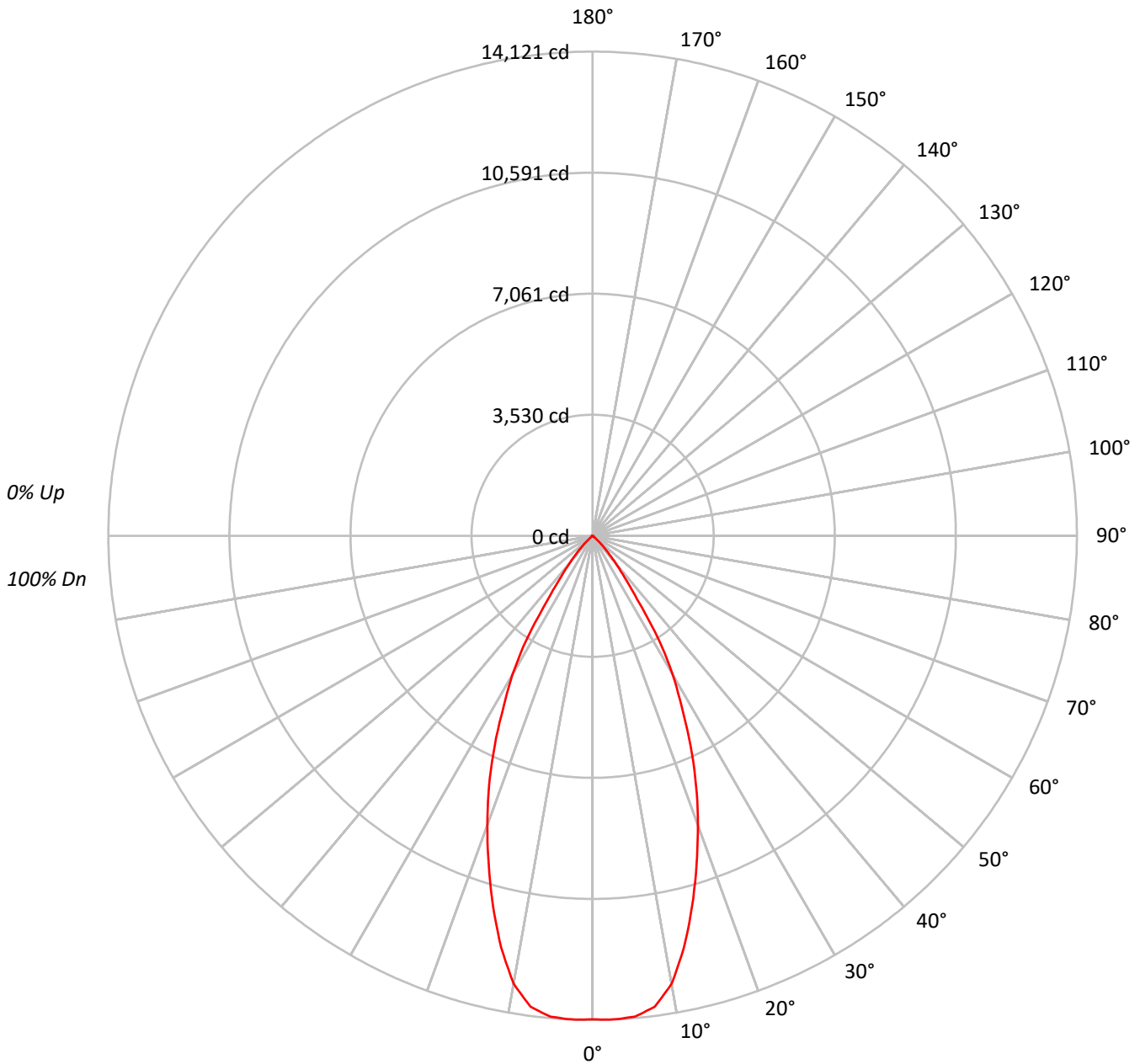
Lumens per Lamp: N/A
Luminaire Lumens: 9443.1 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 142.3
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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94			
2	109	104	100	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89			
3	104	98	93	90	102	97	92	89	94	90	87	92	89	86	89	87	85	83			
4	99	92	87	83	97	91	86	83	89	85	82	87	83	81	85	82	80	78			
5	95	87	81	77	93	86	81	77	84	80	76	83	79	76	81	78	75	74			
6	90	82	77	73	89	81	76	72	80	75	72	79	74	71	77	74	71	70			
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	74	70	67	66			
8	83	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62			
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59			
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	773200
5°	774684
10°	738274
15°	635702
20°	523692
25°	409034
30°	295406
35°	151286
40°	73767
45°	30654
50°	5586
55°	3250
60°	2127
65°	1570
70°	1170
75°	1038
80°	758
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1319.5	14.0
10°-20°	3104.5	32.9
20°-30°	3074.8	32.6
30°-40°	1558.7	16.5
40°-50°	335.8	3.6
50°-60°	32.0	0.3
60°-70°	12.3	0.1
70°-80°	4.5	0.0
80°-90°	1.0	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°	7498.8	79.4
0°-40°	9057.5	95.9
0°-60°	9425.3	99.8
0°-90°	9443.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9443.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14104	
5°	14078	###
15°	11201	3105
25°	6762	3075
35°	2261	1559
45°	395	336
55°	34	32
65°	12	12
75°	5	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14104.3
2.5°	14121.3
5°	14077.6
7.5°	13856.9
10°	13262.6
12.5°	12307.0
15°	11201.0
17.5°	10068.3
20°	8976.8
22.5°	7885.3
25°	6762.3
27.5°	5617.5
30°	4666.7
32.5°	3594.6
35°	2260.6
37.5°	1520.8
40°	1030.8
42.5°	667.0
45°	395.4
47.5°	177.1
50°	65.5
52.5°	43.7
55°	34.0
57.5°	24.3
60°	19.4
62.5°	14.6
65°	12.1
67.5°	9.7
70°	7.3
72.5°	4.9
75°	4.9
77.5°	2.4
80°	2.4
82.5°	2.4
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)