

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: P683948

Luminaire Tested: **LX6C120D010 EX6C1209027 6LBSQH**

Issue Date: 2/16/2022

Test Information

Test Method: LM-79-08
Report Number: P683948
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203254)
Test Lab: INNOVATION CENTER
Issue Date: 2/16/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C120D010 EX6C1209027 6LBSQH
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBSQ TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

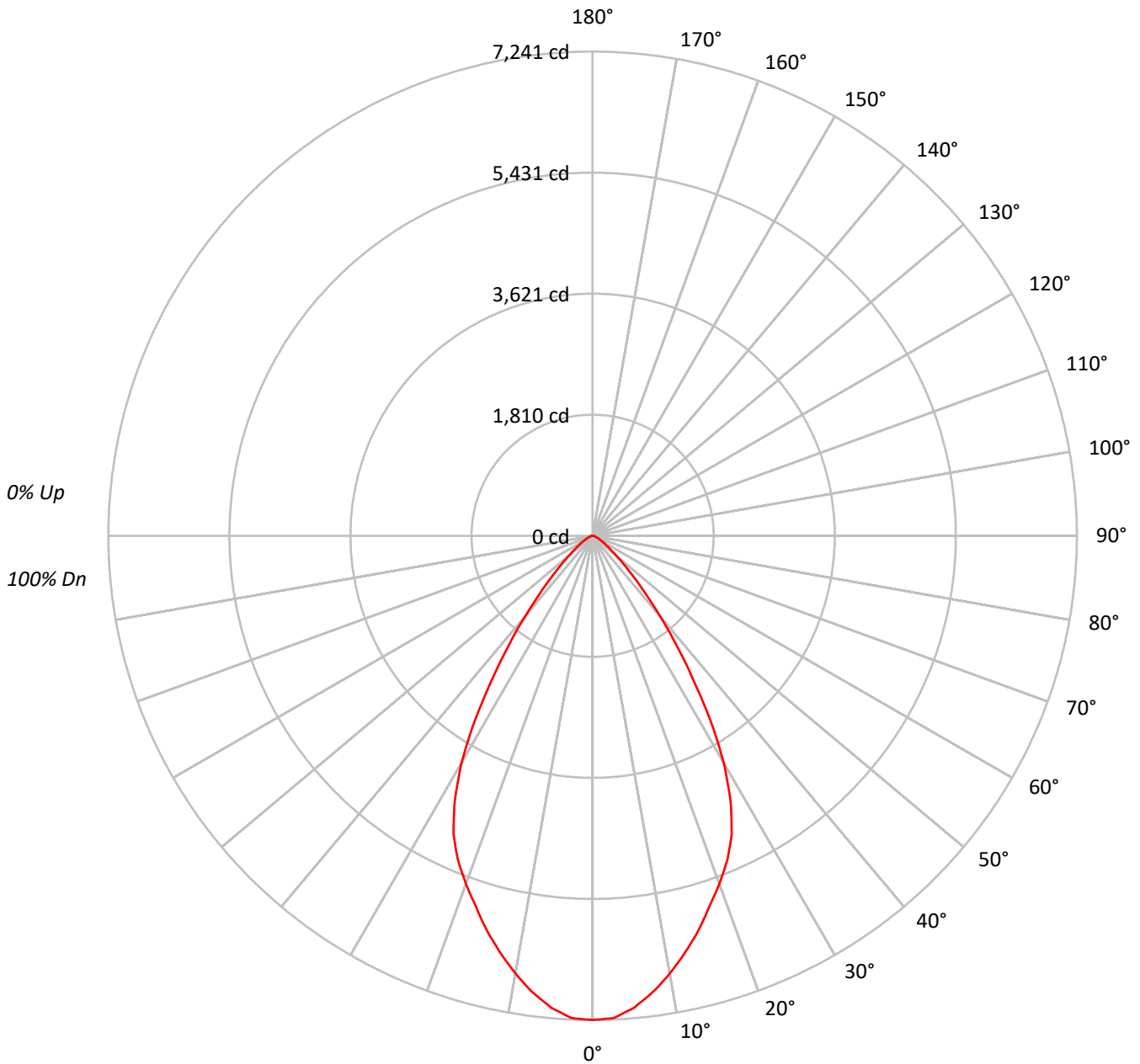
Lumens per Lamp: N/A
Luminaire Lumens: 7317.0 lumens
Efficiency: N/A
Efficacy: 51.4 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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				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°	311779
5°	306197
10°	290553
15°	272462
20°	253745
25°	233799
30°	194809
35°	137306
40°	87506
45°	52183
50°	30805
55°	19600
60°	13494
65°	9577
70°	6596
75°	5207
80°	2554
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	662.1	9.0
10°-20°	1712.8	23.4
20°-30°	2219.3	30.3
30°-40°	1647.7	22.5
40°-50°	695.6	9.5
50°-60°	247.0	3.4
60°-70°	95.3	1.3
70°-80°	33.0	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°	4594.3	62.8
0°-40°	6241.9	85.3
0°-60°	7184.5	98.2
0°-90°	7317.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7317.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7241	
5°	7085	662
15°	6112	1713
25°	4921	2219
35°	2612	1648
45°	857	696
55°	261	247
65°	94	95
75°	31	33
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7241.3
2.5°	7220.3
5°	7084.6
7.5°	6885.8
10°	6645.8
12.5°	6384.3
15°	6112.5
17.5°	5809.8
20°	5538.0
22.5°	5255.9
25°	4921.4
27.5°	4461.6
30°	3918.4
32.5°	3280.8
35°	2612.3
37.5°	2048.1
40°	1556.9
42.5°	1159.7
45°	857.0
47.5°	626.9
50°	459.9
52.5°	344.8
55°	261.1
57.5°	198.4
60°	156.7
62.5°	115.1
65°	94.0
67.5°	73.0
70°	52.4
72.5°	41.7
75°	31.3
77.5°	21.0
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)