

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: P683925

Luminaire Tested: **LX6C100D010 EX6C1009050 6LBSQH**

Issue Date: 2/16/2022

Test Information

Test Method: LM-79-08
Report Number: P683925
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: LX6C100D010 EX6C1009050 6LBSQH
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBSQ TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

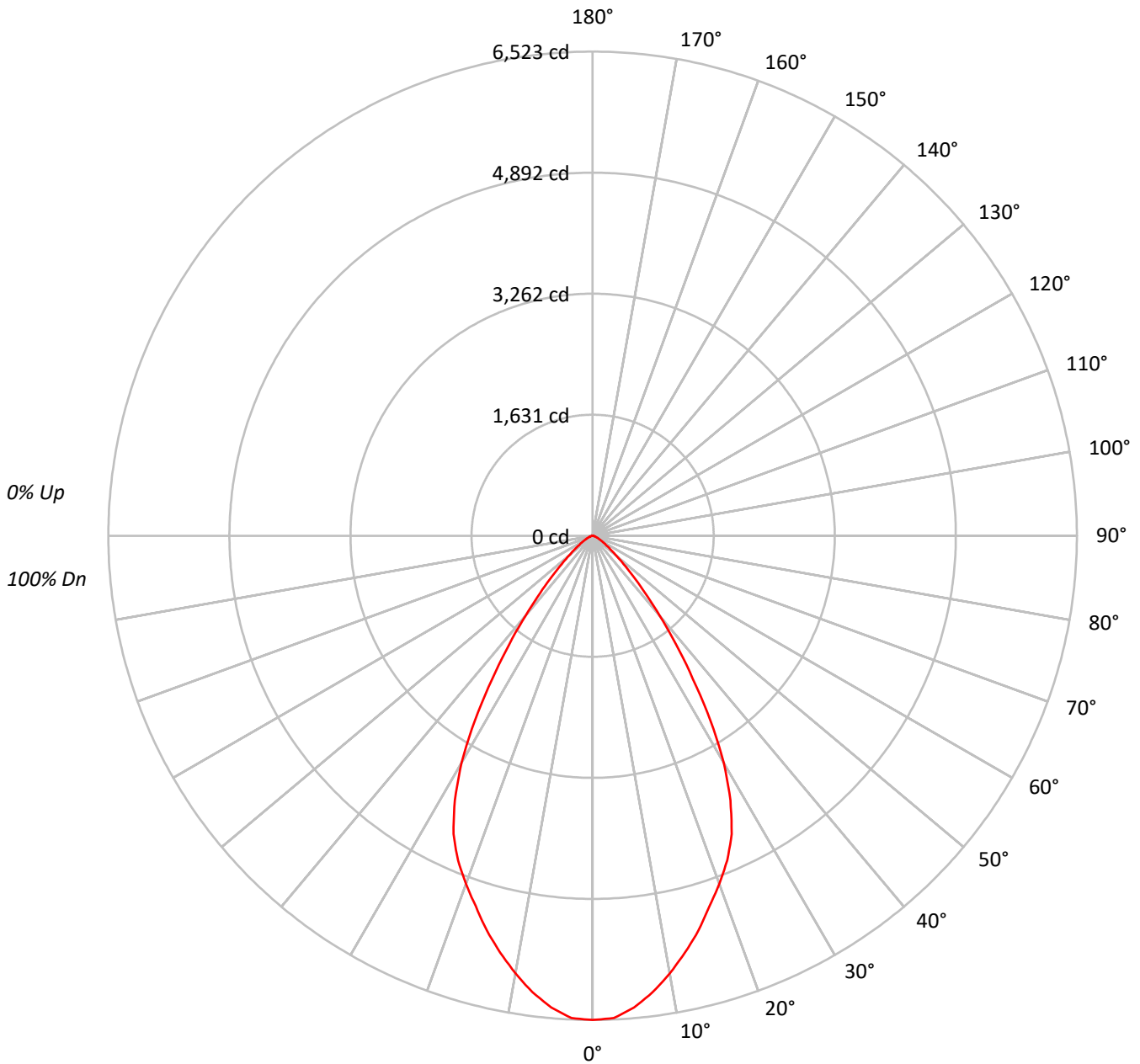
Lumens per Lamp: N/A
Luminaire Lumens: 6591.0 lumens
Efficiency: N/A
Efficacy: 57.6 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	280843
5°	275814
10°	261725
15°	245427
20°	228567
25°	210602
30°	175479
35°	123682
40°	78822
45°	47007
50°	27744
55°	17655
60°	12159
65°	8629
70°	5942
75°	4691
80°	2306
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	596.4	9.0
10°-20°	1542.9	23.4
20°-30°	1999.1	30.3
30°-40°	1484.2	22.5
40°-50°	626.6	9.5
50°-60°	222.5	3.4
60°-70°	85.9	1.3
70°-80°	29.7	0.5
80°-90°	3.8	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°	4138.4	62.8
0°-40°	5622.6	85.3
0°-60°	6471.6	98.2
0°-90°	6591.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6591.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6523	
5°	6382	596
15°	5506	1543
25°	4433	1999
35°	2353	1484
45°	772	627
55°	235	222
65°	85	86
75°	28	30
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6522.8
2.5°	6503.9
5°	6381.6
7.5°	6202.6
10°	5986.4
12.5°	5750.8
15°	5506.0
17.5°	5233.3
20°	4988.5
22.5°	4734.4
25°	4433.1
27.5°	4018.9
30°	3529.6
32.5°	2955.3
35°	2353.1
37.5°	1844.9
40°	1402.4
42.5°	1044.7
45°	772.0
47.5°	564.7
50°	414.2
52.5°	310.6
55°	235.2
57.5°	178.7
60°	141.2
62.5°	103.6
65°	84.7
67.5°	65.8
70°	47.2
72.5°	37.5
75°	28.2
77.5°	18.9
80°	9.3
82.5°	9.3
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)