

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: P683964

Luminaire Tested: **LX6C120D010 EX6C1209035 6LBSQH**

Issue Date: 2/16/2022



Test Information

Test Method: LM-79-08
Report Number: P683964
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 EX6C1209035 6LBSQH
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBSQ TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

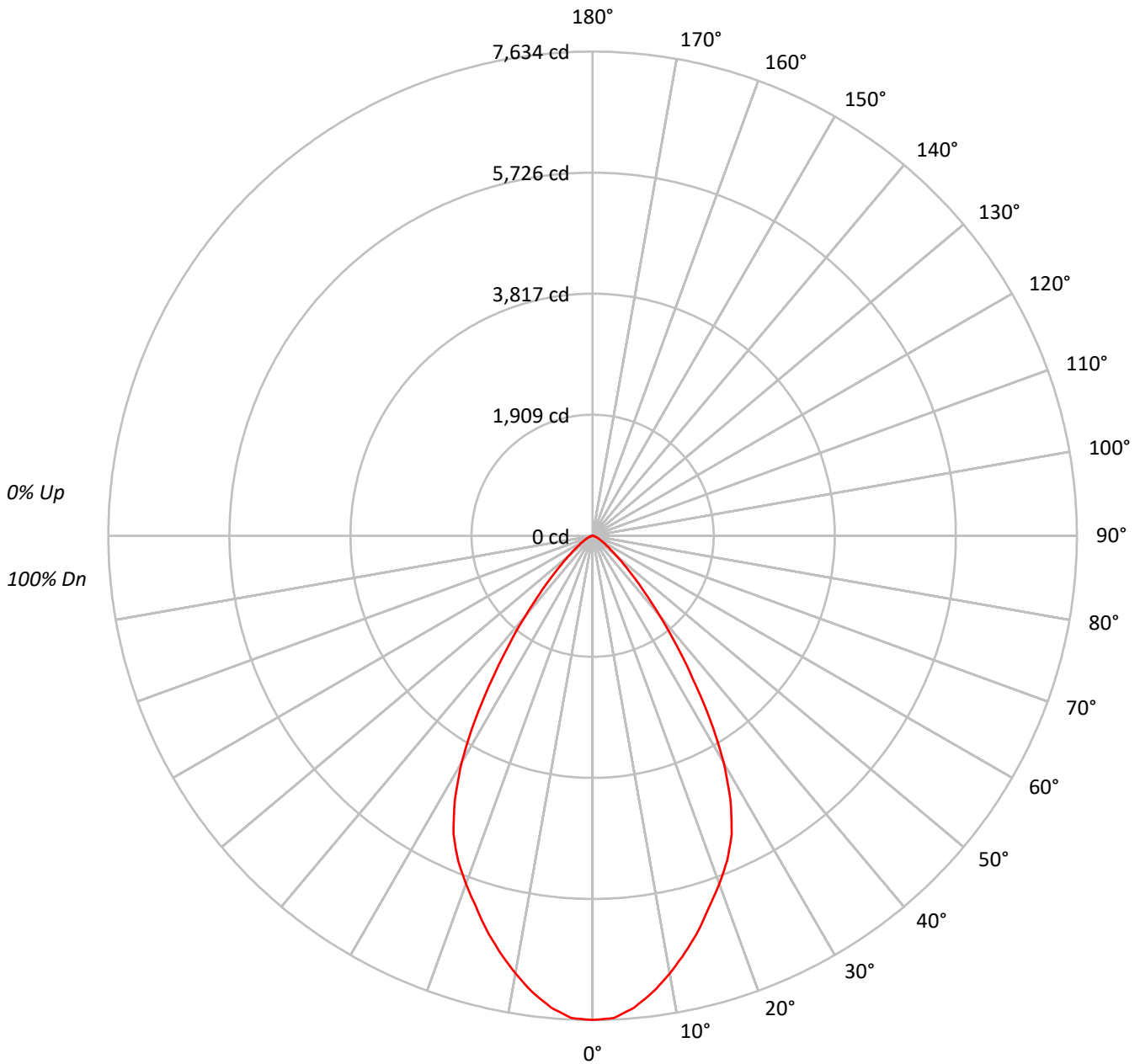
Lumens per Lamp: N/A
Luminaire Lumens: 7714.0 lumens
Efficiency: N/A
Efficacy: 54.2 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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				
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	100	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92	92	92	92
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85	85	85
3	101	94	88	84	99	92	87	84	90	86	82	87	84	81	85	82	80	78	78	78	78
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72	72	72	72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66	66	66	66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61	61	61	61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57	57	57	57
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53	53	53	53
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49	49	49	49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46	46	46	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	328696
5°	322811
10°	306314
15°	287247
20°	267514
25°	246488
30°	205378
35°	144754
40°	92255
45°	55014
50°	32473
55°	20658
60°	14226
65°	10096
70°	6949
75°	5490
80°	2703
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	698.0	9.0
10°-20°	1805.7	23.4
20°-30°	2339.8	30.3
30°-40°	1737.1	22.5
40°-50°	733.3	9.5
50°-60°	260.3	3.4
60°-70°	100.5	1.3
70°-80°	34.8	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°	4843.5	62.8
0°-40°	6580.6	85.3
0°-60°	7574.3	98.2
0°-90°	7714.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7714.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7634	
5°	7469	698
15°	6444	1806
25°	5188	2340
35°	2754	1737
45°	904	733
55°	275	260
65°	99	101
75°	33	35
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7634.2
2.5°	7612.0
5°	7469.0
7.5°	7259.4
10°	7006.3
12.5°	6730.7
15°	6444.2
17.5°	6125.0
20°	5838.5
22.5°	5541.1
25°	5188.5
27.5°	4703.7
30°	4131.0
32.5°	3458.8
35°	2754.0
37.5°	2159.2
40°	1641.4
42.5°	1222.7
45°	903.5
47.5°	660.9
50°	484.8
52.5°	363.5
55°	275.2
57.5°	209.1
60°	165.2
62.5°	121.3
65°	99.1
67.5°	77.0
70°	55.2
72.5°	43.9
75°	33.0
77.5°	22.2
80°	10.9
82.5°	10.9
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)