

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: P683980

Luminaire Tested: **LX6C120D010 EX6C1209050 6LBSQH**

Issue Date: 2/16/2022



Test Information

Test Method: LM-79-08
Report Number: P683980
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 EX6C1209050 6LBSQH
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBSQ TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

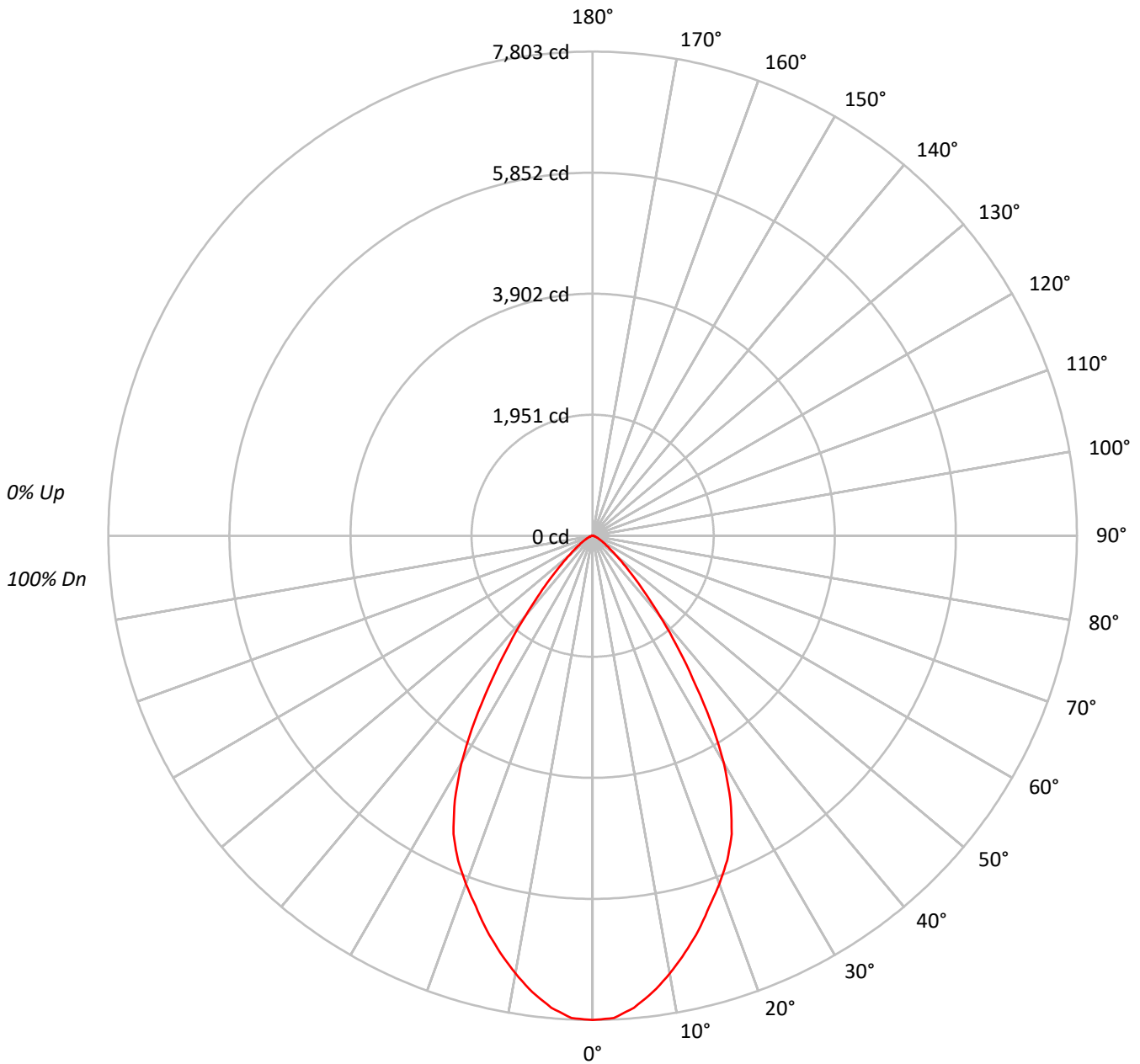
Lumens per Lamp: N/A
Luminaire Lumens: 7885.0 lumens
Efficiency: N/A
Efficacy: 55.4 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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				
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°	335981
5°	329964
10°	313109
15°	293612
20°	273442
25°	251952
30°	209932
35°	147965
40°	94301
45°	56232
50°	33190
55°	21116
60°	14544
65°	10320
70°	7100
75°	5623
80°	2752
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	713.5	9.0
10°-20°	1845.8	23.4
20°-30°	2391.6	30.3
30°-40°	1775.6	22.5
40°-50°	749.6	9.5
50°-60°	266.1	3.4
60°-70°	102.7	1.3
70°-80°	35.6	0.5
80°-90°	4.5	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°	4950.9	62.8
0°-40°	6726.5	85.3
0°-60°	7742.2	98.2
0°-90°	7885.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7885.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7803	
5°	7634	713
15°	6587	1846
25°	5304	2392
35°	2815	1776
45°	924	750
55°	281	266
65°	101	103
75°	34	36
85°	0	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7803.4
2.5°	7780.8
5°	7634.5
7.5°	7420.3
10°	7161.7
12.5°	6879.9
15°	6587.0
17.5°	6260.8
20°	5967.9
22.5°	5663.9
25°	5303.5
27.5°	4807.9
30°	4222.6
32.5°	3535.5
35°	2815.1
37.5°	2207.1
40°	1677.8
42.5°	1249.8
45°	923.5
47.5°	675.5
50°	495.5
52.5°	371.5
55°	281.3
57.5°	213.8
60°	168.9
62.5°	124.0
65°	101.3
67.5°	78.7
70°	56.4
72.5°	44.9
75°	33.8
77.5°	22.7
80°	11.1
82.5°	11.1
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)