

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: P683865

Luminaire Tested: **LX6C100D010 EX6C1009027 6LBSQH**

Issue Date: 2/16/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P683865  
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 EX6C1009027 6LBSQH  
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBSQ TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

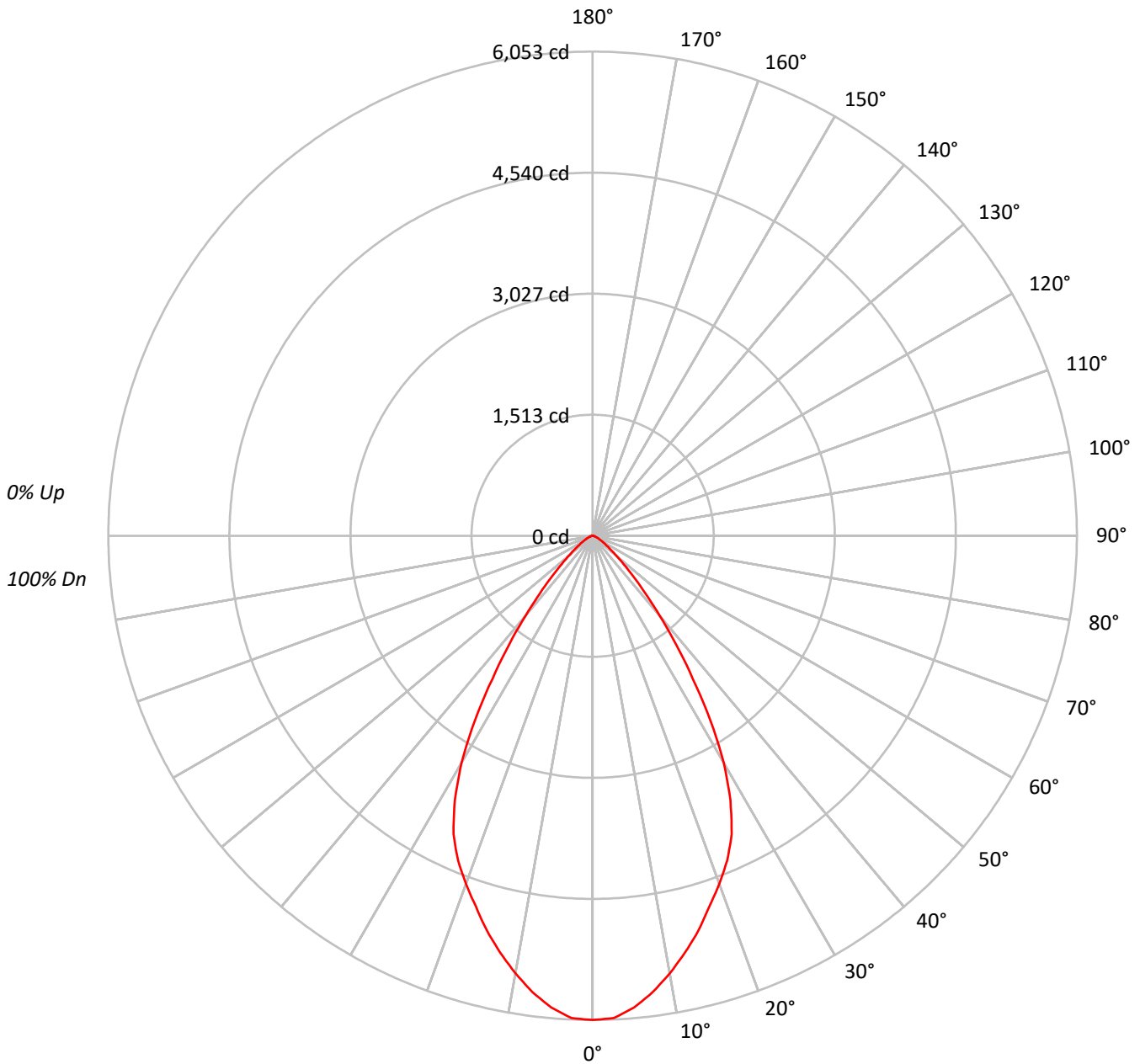
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6116.0 lumens  
Efficiency: N/A  
Efficacy: 53.5 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<sub>in</sub>): 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°	260603
5°	255937
10°	242859
15°	227740
20°	212096
25°	195423
30°	162836
35°	114768
40°	73140
45°	43615
50°	25748
55°	16379
60°	11281
65°	8008
70°	5514
75°	4358
80°	2132
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	553.4	9.0
10°-20°	1431.7	23.4
20°-30°	1855.1	30.3
30°-40°	1377.2	22.5
40°-50°	581.4	9.5
50°-60°	206.4	3.4
60°-70°	79.7	1.3
70°-80°	27.6	0.5
80°-90°	3.5	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°	3840.2	62.8
0°-40°	5217.4	85.3
0°-60°	6005.2	98.2
0°-90°	6116.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6116.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6053	
5°	5922	553
15°	5109	1432
25°	4114	1855
35°	2184	1377
45°	716	581
55°	218	206
65°	79	80
75°	26	28
85°	0	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6052.7
2.5°	6035.1
5°	5921.7
7.5°	5755.6
10°	5554.9
12.5°	5336.4
15°	5109.2
17.5°	4856.2
20°	4629.0
22.5°	4393.2
25°	4113.6
27.5°	3729.3
30°	3275.3
32.5°	2742.3
35°	2183.5
37.5°	1711.9
40°	1301.3
42.5°	969.4
45°	716.3
47.5°	524.0
50°	384.4
52.5°	288.2
55°	218.2
57.5°	165.8
60°	131.0
62.5°	96.2
65°	78.6
67.5°	61.0
70°	43.8
72.5°	34.8
75°	26.2
77.5°	17.6
80°	8.6
82.5°	8.6
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)