

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: P685213

Luminaire Tested: **LX6C08D010 EX6089027 6LBNLI**

Issue Date: 2/14/2022

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P685213
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205310)
Test Lab: INNOVATION CENTER
Issue Date: 2/14/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C08D010 EX6089027 6LBNLI
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 6LBN TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

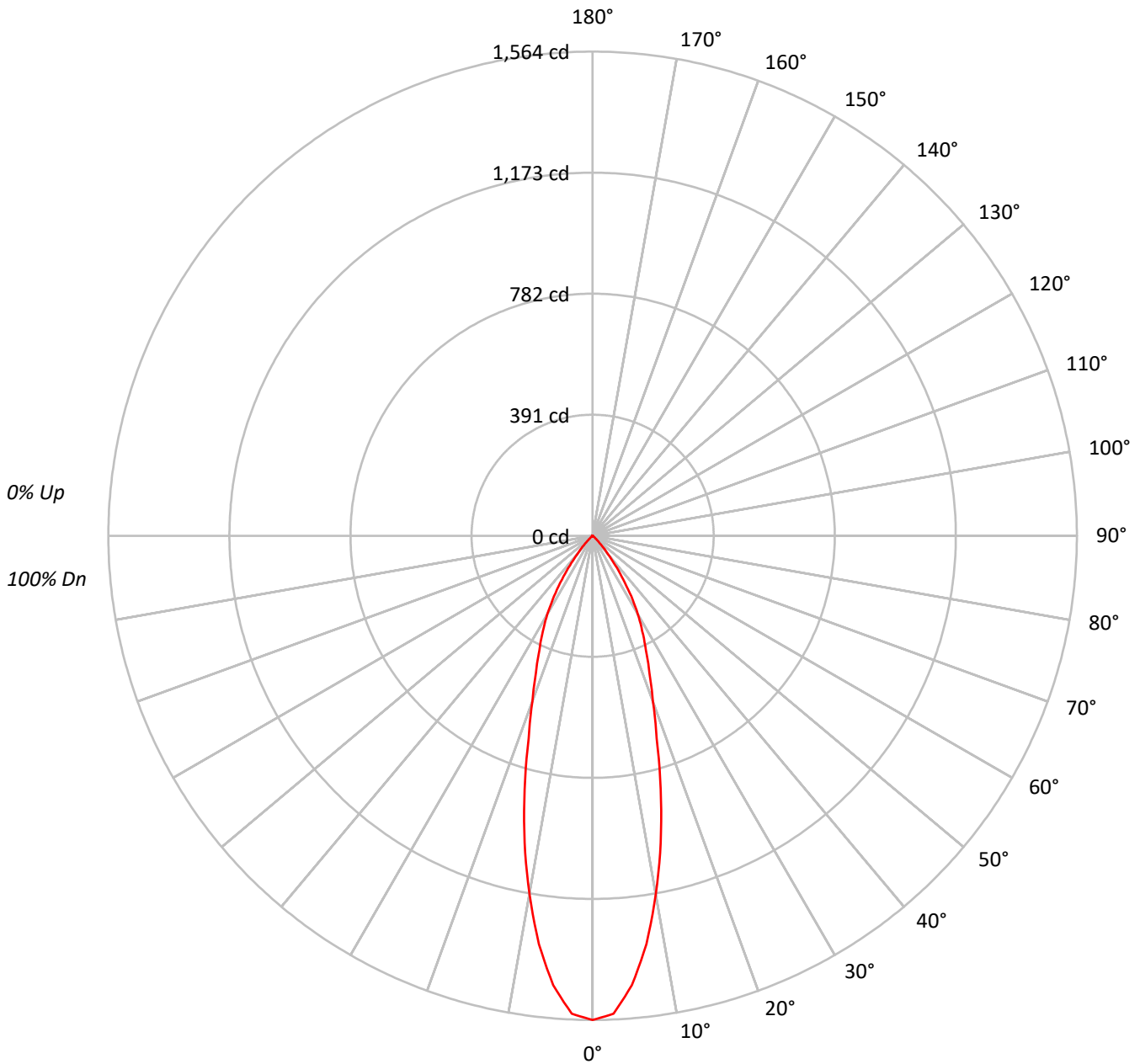
Lumens per Lamp: N/A
Luminaire Lumens: 687.0 lumens
Efficiency: N/A
Efficacy: 69.4 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.58
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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									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	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																											
1	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	96	95																											
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89																											
3	105	99	94	91	103	97	93	90	95	91	89	93	90	87	90	88	86	85																											
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80																											
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76																											
6	92	84	79	75	90	83	78	75	82	77	74	80	76	74	79	76	73	72																											
7	88	80	74	71	87	79	74	71	78	73	70	77	73	70	76	72	69	68																											
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	73	69	66	65																											
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	62																											
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	59																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	85744
5°	80189
10°	65396
15°	48127
20°	33171
25°	24624
30°	18497
35°	11538
40°	5596
45°	1923
50°	256
55°	191
60°	110
65°	130
70°	160
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.0	18.9
10°-20°	233.4	34.0
20°-30°	188.7	27.5
30°-40°	108.7	15.8
40°-50°	23.0	3.3
50°-60°	2.0	0.3
60°-70°	1.0	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	552.2	80.4
0°-40°	660.9	96.2
0°-60°	685.9	99.8
0°-90°	687.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	687.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1564	
5°	1457	130
15°	848	233
25°	407	189
35°	172	109
45°	25	23
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1564.1
2.5°	1545.3
5°	1457.2
7.5°	1330.4
10°	1174.8
12.5°	1015.4
15°	848.0
17.5°	686.5
20°	568.6
22.5°	478.5
25°	407.1
27.5°	346.7
30°	292.2
32.5°	231.8
35°	172.4
37.5°	119.9
40°	78.2
42.5°	47.6
45°	24.8
47.5°	9.9
50°	3.0
52.5°	3.0
55°	2.0
57.5°	2.0
60°	1.0
62.5°	1.0
65°	1.0
67.5°	1.0
70°	1.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)