

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: P859603

Luminaire Tested: **LX4C75D010 EX4C759050 4LBNLI**

Issue Date: 1/21/2022



Test Information

Test Method: LM-79-08
Report Number: P859603
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208279)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C75D010 EX4C759050 4LBNLI
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBN TRIM WITH LI FINISH
Light Source: -
Ballast/Driver:

Summary

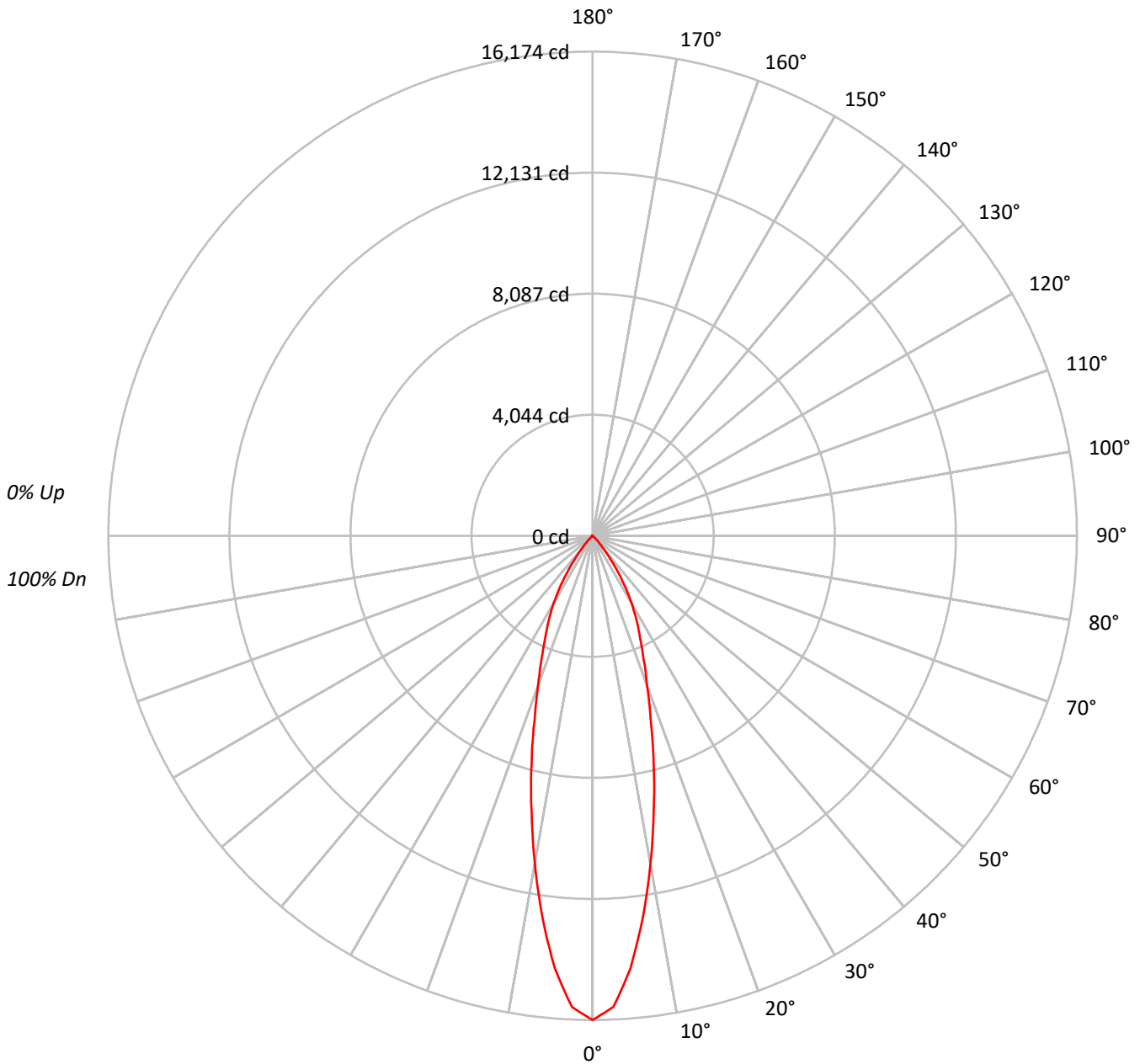
Lumens per Lamp: N/A
Luminaire Lumens: 6285.0 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.54
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 81.5
Input Voltage (V):
Input Current (Ain): 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									
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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95																			
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	92	90																			
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85																			
4	101	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81																			
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77																			
6	92	85	80	76	91	84	79	76	83	78	75	81	78	75	80	77	74	73																			
7	89	81	76	72	88	80	75	72	79	75	71	78	74	71	77	73	71	69																			
8	85	77	72	68	84	77	72	68	76	71	68	75	71	68	74	70	67	66																			
9	82	74	69	65	81	73	68	65	72	68	65	72	68	65	71	67	64	63																			
10	79	71	66	62	78	70	65	62	69	65	62	69	65	62	68	64	62	61																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1987032
5°	1788118
10°	1386182
15°	1003317
20°	694715
25°	506470
30°	367996
35°	217751
40°	91589
45°	28563
50°	3708
55°	2078
60°	2383
65°	2820
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1274.6	20.3
10°-20°	2182.1	34.7
20°-30°	1734.3	27.6
30°-40°	918.1	14.6
40°-50°	158.2	2.5
50°-60°	11.8	0.2
60°-70°	5.9	0.1
70°-80°	0.0	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°	5191.0	82.6
0°-40°	6109.1	97.2
0°-60°	6279.1	99.9
0°-90°	6285.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6285.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16174	
5°	14500	###
15°	7888	2182
25°	3736	1734
35°	1452	918
45°	164	158
55°	10	12
65°	10	6
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	16174.0
2.5°	15757.6
5°	14499.5
7.5°	12854.1
10°	11111.8
12.5°	9427.7
15°	7888.5
17.5°	6455.9
20°	5313.8
22.5°	4442.6
25°	3736.3
27.5°	3165.2
30°	2594.1
32.5°	2013.3
35°	1451.9
37.5°	958.4
40°	571.1
42.5°	329.2
45°	164.4
47.5°	58.2
50°	19.4
52.5°	19.4
55°	9.7
57.5°	9.7
60°	9.7
62.5°	9.7
65°	9.7
67.5°	0.0
70°	0.0
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)