

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: P859559

Luminaire Tested: **LX4C75D010 EX4C759030 4LBMLI**

Issue Date: 1/26/2022



Test Information

Test Method: LM-79-08
Report Number: P859559
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208279)
Test Lab: INNOVATION CENTER
Issue Date: 1/26/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C75D010 EX4C759030 4LBMLI
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBM TRIM WITH LI FINISH
Light Source: -
Ballast/Driver:

Summary

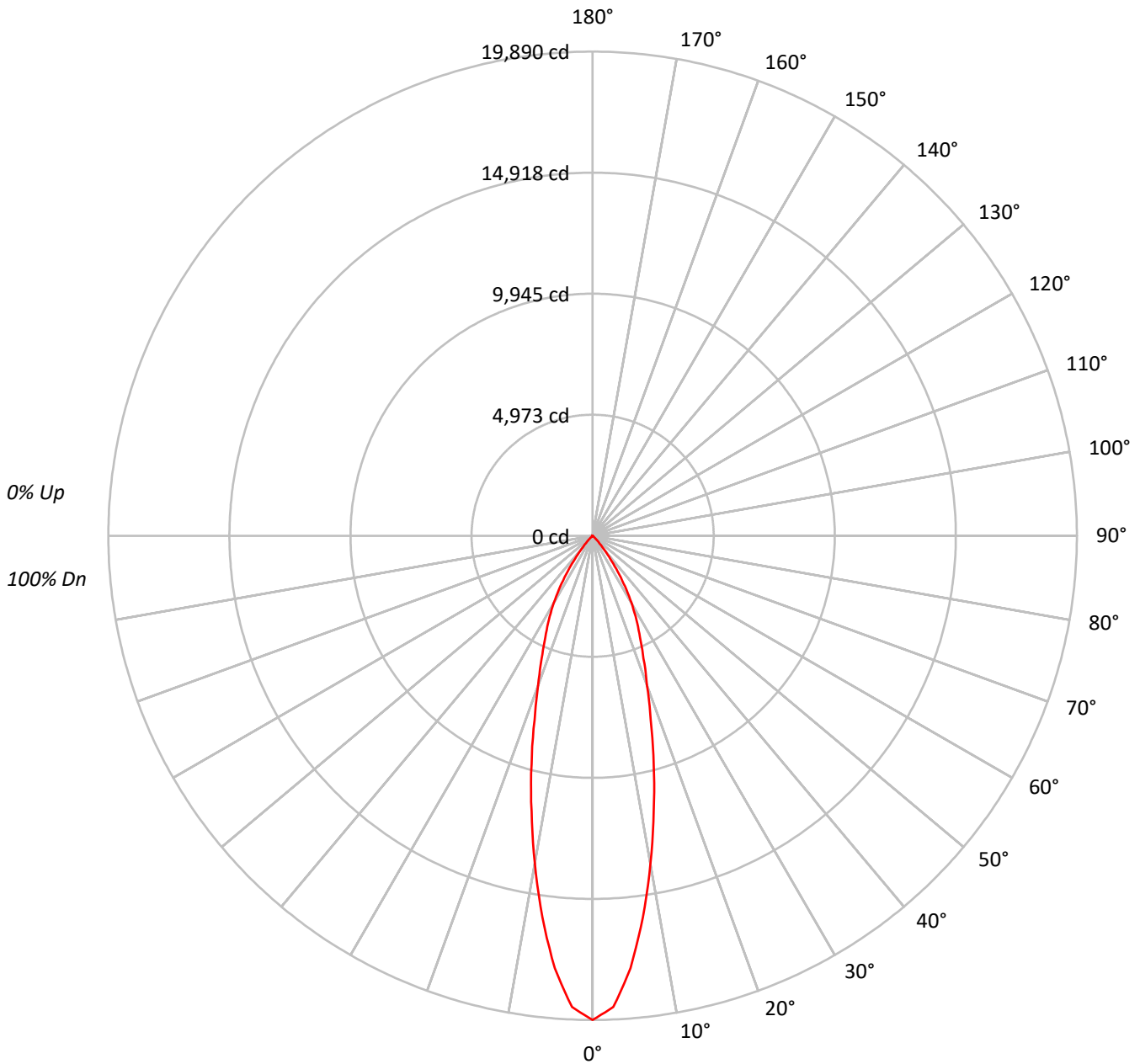
Lumens per Lamp: N/A
Luminaire Lumens: 7728.9 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.54
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	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																		
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95									95																		
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	92	90									90																		
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85									85																		
4	101	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81									81																		
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77									77																		
6	92	85	80	76	91	84	79	76	83	78	75	81	78	75	80	77	74	73									73																		
7	89	81	76	72	88	80	75	72	79	75	71	78	74	71	77	73	71	69									69																		
8	85	77	72	68	84	77	72	68	76	71	68	75	71	68	74	70	67	66									66																		
9	82	74	69	65	81	73	68	65	72	68	65	72	68	65	71	67	64	63									63																		
10	79	71	66	62	78	70	65	62	69	65	62	69	65	62	68	64	62	61									61																		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2443556
5°	2198943
10°	1704666
15°	1233831
20°	854320
25°	622829
30°	452544
35°	267783
40°	112631
45°	35113
50°	4549
55°	2549
60°	2924
65°	3459
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1567.5	20.3
10°-20°	2683.5	34.7
20°-30°	2132.7	27.6
30°-40°	1129.0	14.6
40°-50°	194.5	2.5
50°-60°	14.5	0.2
60°-70°	7.3	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°	6383.6	82.6
0°-40°	7512.6	97.2
0°-60°	7721.7	99.9
0°-90°	7728.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7728.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19890	
5°	17831	###
15°	9701	2683
25°	4595	2133
35°	1786	1129
45°	202	194
55°	12	15
65°	12	7
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19890.0
2.5°	19377.9
5°	17830.8
7.5°	15807.4
10°	13664.8
12.5°	11593.7
15°	9700.9
17.5°	7939.2
20°	6534.6
22.5°	5463.3
25°	4594.7
27.5°	3892.4
30°	3190.1
32.5°	2475.9
35°	1785.5
37.5°	1178.6
40°	702.3
42.5°	404.8
45°	202.1
47.5°	71.5
50°	23.8
52.5°	23.8
55°	11.9
57.5°	11.9
60°	11.9
62.5°	11.9
65°	11.9
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)