

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: P859551

Luminaire Tested: **LX4C75D010 EX4C759027 4LBWH**

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-08
Report Number: P859551
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206636)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C75D010 EX4C759027 4LBWH
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBW TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

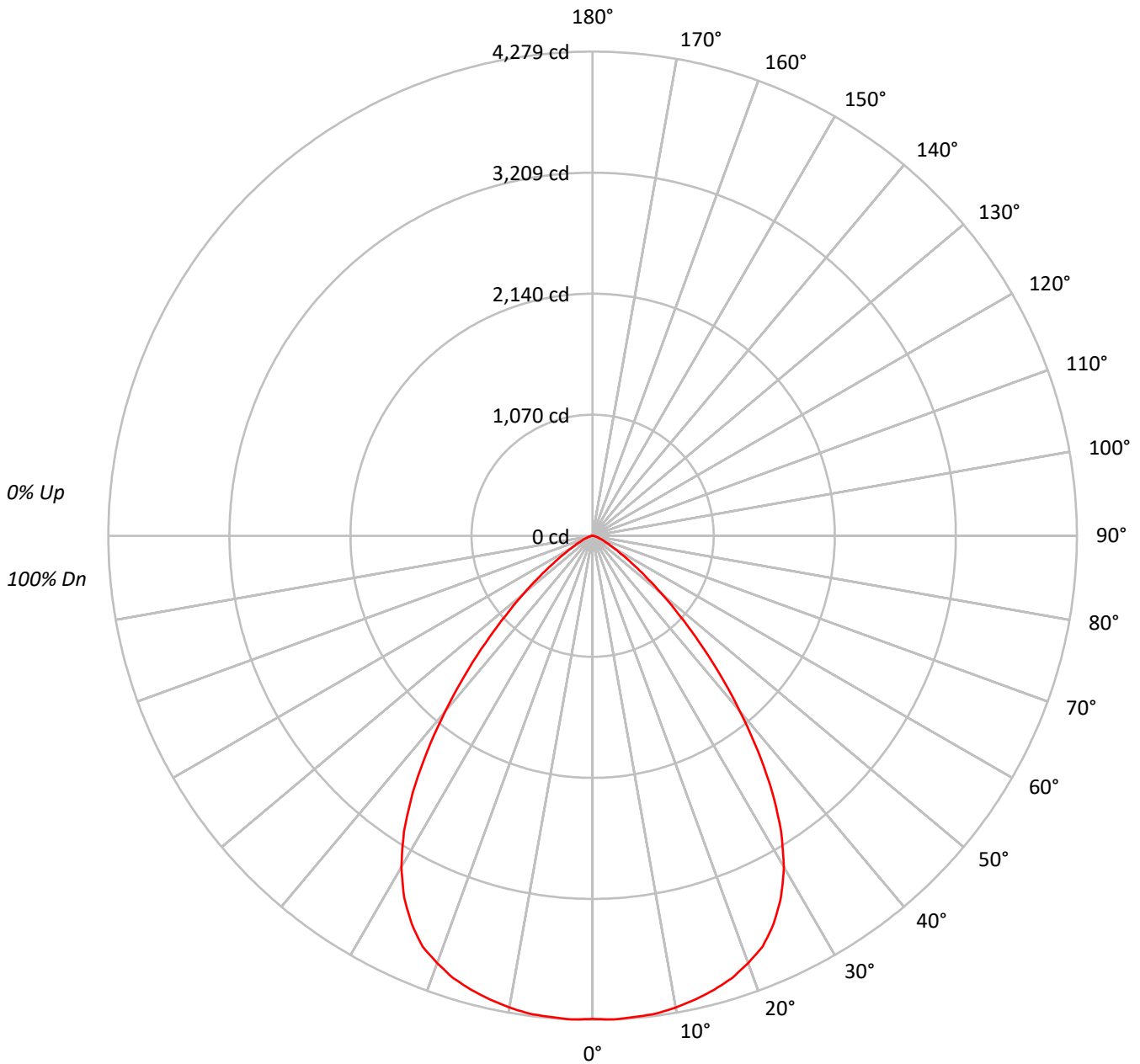
Lumens per Lamp: N/A
Luminaire Lumens: 6624.0 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91																			
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82																			
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74																			
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67																			
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61																			
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55																			
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50																			
8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46																			
9	68	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43																			
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	524535
5°	526539
10°	528136
15°	528158
20°	525253
25°	512949
30°	479441
35°	415180
40°	324324
45°	232709
50°	151162
55°	90495
60°	52950
65°	34011
70°	22630
75°	17088
80°	12735
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	406.6	6.1
10°-20°	1171.6	17.7
20°-30°	1728.8	26.1
30°-40°	1706.1	25.8
40°-50°	1044.0	15.8
50°-60°	400.3	6.0
60°-70°	125.2	1.9
70°-80°	36.7	0.6
80°-90°	4.9	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°	3307.0	49.9
0°-40°	5013.0	75.7
0°-60°	6457.3	97.5
0°-90°	6624.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6624.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4270	
5°	4270	407
15°	4153	1172
25°	3784	1729
35°	2768	1706
45°	1339	1044
55°	422	400
65°	117	125
75°	36	37
85°	0	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4269.6
2.5°	4278.6
5°	4269.6
7.5°	4260.6
10°	4233.6
12.5°	4197.6
15°	4152.6
17.5°	4098.6
20°	4017.6
22.5°	3928.1
25°	3784.1
27.5°	3604.2
30°	3379.7
32.5°	3101.2
35°	2768.3
37.5°	2399.8
40°	2022.3
42.5°	1671.8
45°	1339.4
47.5°	1042.4
50°	790.9
52.5°	584.4
55°	422.5
57.5°	296.5
60°	215.5
62.5°	161.9
65°	117.0
67.5°	90.0
70°	63.0
72.5°	45.0
75°	36.0
77.5°	18.0
80°	18.0
82.5°	9.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)