

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: P859593

Luminaire Tested: **LX4C75D010 EX4C759040 4LBWH**

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-08
Report Number: P859593
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 EX4C759040 4LBWH
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBW TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

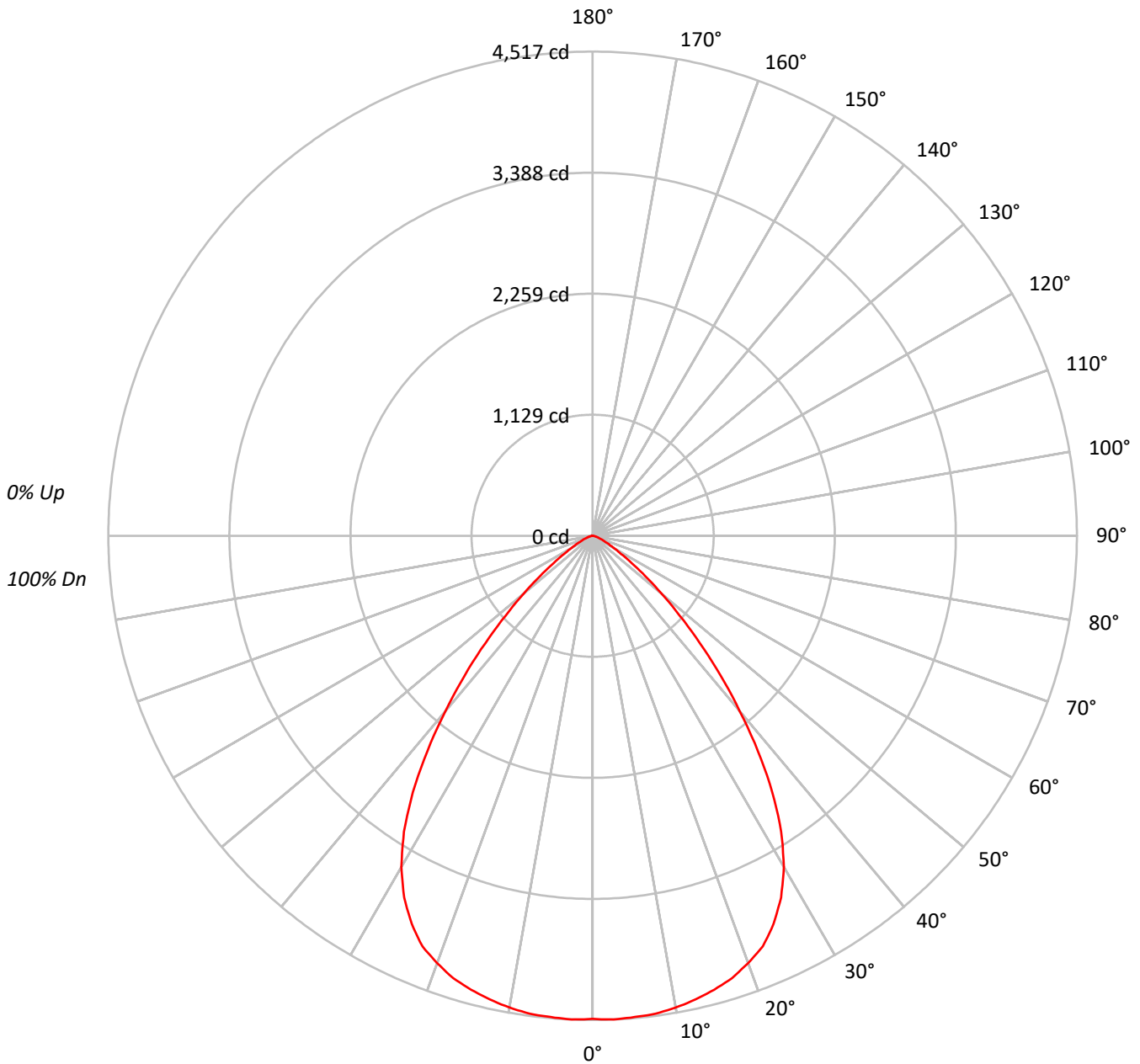
Lumens per Lamp: N/A
Luminaire Lumens: 6993.0 lumens
Efficiency: N/A
Efficacy: 85.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 81.5
Input Voltage (V):
Input Current (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									
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°	553750
5°	555865
10°	557552
15°	557576
20°	554525
25°	541524
30°	506139
35°	438306
40°	342398
45°	245670
50°	159590
55°	95528
60°	55898
65°	35901
70°	23887
75°	18037
80°	13442
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.2	6.1
10°-20°	1236.8	17.7
20°-30°	1825.1	26.1
30°-40°	1801.1	25.8
40°-50°	1102.2	15.8
50°-60°	422.6	6.0
60°-70°	132.1	1.9
70°-80°	38.7	0.6
80°-90°	5.2	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°	3491.2	49.9
0°-40°	5292.3	75.7
0°-60°	6817.0	97.5
0°-90°	6993.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6993.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4507	
5°	4507	429
15°	4384	1237
25°	3995	1825
35°	2922	1801
45°	1414	1102
55°	446	423
65°	124	132
75°	38	39
85°	0	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4507.4
2.5°	4516.9
5°	4507.4
7.5°	4497.9
10°	4469.4
12.5°	4431.4
15°	4383.9
17.5°	4326.9
20°	4241.5
22.5°	4146.9
25°	3994.9
27.5°	3805.0
30°	3567.9
32.5°	3273.9
35°	2922.5
37.5°	2533.5
40°	2135.0
42.5°	1765.0
45°	1414.0
47.5°	1100.5
50°	835.0
52.5°	617.0
55°	446.0
57.5°	313.0
60°	227.5
62.5°	171.0
65°	123.5
67.5°	95.0
70°	66.5
72.5°	47.5
75°	38.0
77.5°	19.0
80°	19.0
82.5°	9.5
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)