

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: P859600

Luminaire Tested: **LX4C75D010 EX4C759050 4LBMH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P859600
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 EX4C759050 4LBMH
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

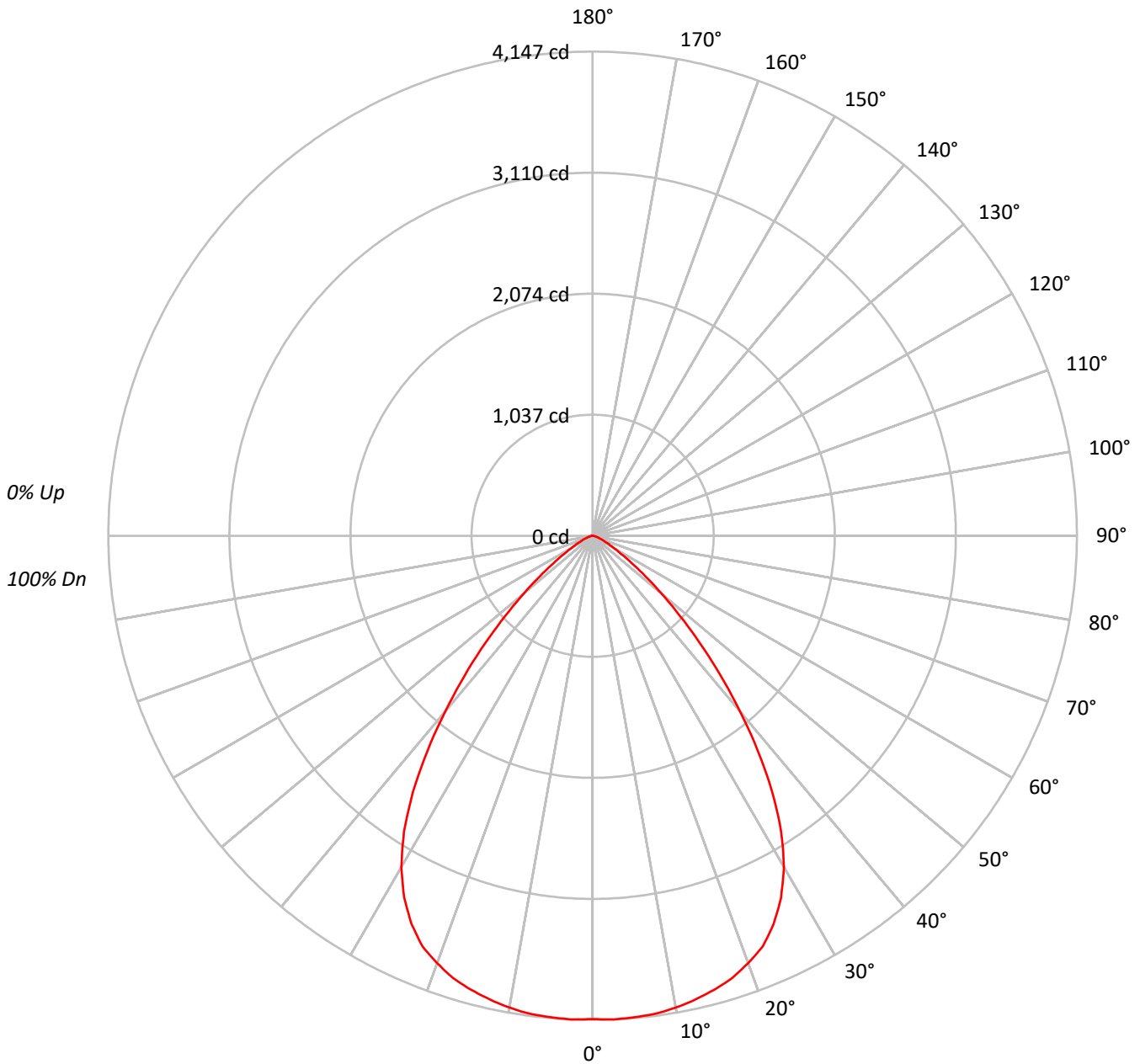
Lumens per Lamp: N/A
Luminaire Lumens: 6421.0 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 81.5
Input Voltage (V):
Input Current (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				20				
RC	80				70				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°	508454
5°	510396
10°	511944
15°	511967
20°	509159
25°	497238
30°	464744
35°	402447
40°	314381
45°	225568
50°	146536
55°	87710
60°	51328
65°	32965
70°	21947
75°	16566
80°	12310
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	394.1	6.1
10°-20°	1135.7	17.7
20°-30°	1675.8	26.1
30°-40°	1653.7	25.8
40°-50°	1012.0	15.8
50°-60°	388.0	6.0
60°-70°	121.3	1.9
70°-80°	35.6	0.6
80°-90°	4.7	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°	3205.6	49.9
0°-40°	4859.3	75.7
0°-60°	6259.3	97.5
0°-90°	6421.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6421.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4139	
5°	4139	394
15°	4025	1136
25°	3668	1676
35°	2683	1654
45°	1298	1012
55°	410	388
65°	113	121
75°	35	36
85°	0	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4138.7
2.5°	4147.4
5°	4138.7
7.5°	4130.0
10°	4103.8
12.5°	4068.9
15°	4025.3
17.5°	3973.0
20°	3894.5
22.5°	3807.7
25°	3668.2
27.5°	3493.7
30°	3276.1
32.5°	3006.1
35°	2683.4
37.5°	2326.2
40°	1960.3
42.5°	1620.6
45°	1298.3
47.5°	1010.5
50°	766.7
52.5°	566.5
55°	409.5
57.5°	287.4
60°	208.9
62.5°	157.0
65°	113.4
67.5°	87.2
70°	61.1
72.5°	43.6
75°	34.9
77.5°	17.4
80°	17.4
82.5°	8.7
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)