

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: P859350

Luminaire Tested: **LX4C65D010 EX4C659030 4LBMH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P859350
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: LX4C65D010 EX4C659030 4LBMH
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

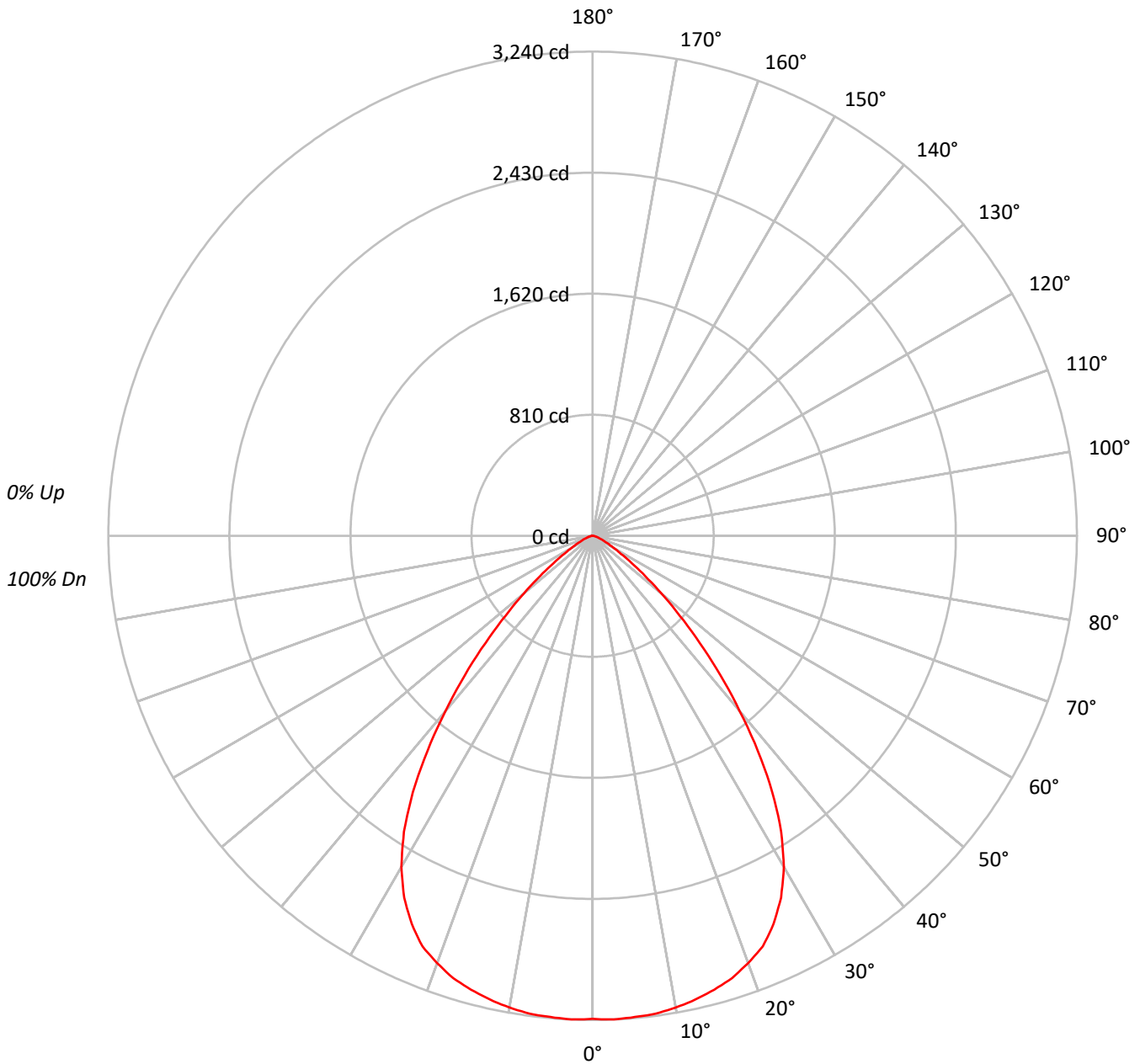
Lumens per Lamp: N/A
Luminaire Lumens: 5016.0 lumens
Efficiency: N/A
Efficacy: 69.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
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°	397198
5°	398715
10°	399932
15°	399940
20°	397744
25°	388429
30°	363045
35°	314396
40°	245596
45°	176208
50°	114465
55°	68519
60°	40099
65°	25756
70°	17134
75°	12958
80°	9622
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.9	6.1
10°-20°	887.2	17.7
20°-30°	1309.1	26.1
30°-40°	1291.9	25.8
40°-50°	790.6	15.8
50°-60°	303.1	6.0
60°-70°	94.8	1.9
70°-80°	27.8	0.6
80°-90°	3.7	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°	2504.2	49.9
0°-40°	3796.1	75.7
0°-60°	4889.7	97.5
0°-90°	5016.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5016.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3233	
5°	3233	308
15°	3144	887
25°	2866	1309
35°	2096	1292
45°	1014	791
55°	320	303
65°	89	95
75°	27	28
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3233.1
2.5°	3239.9
5°	3233.1
7.5°	3226.3
10°	3205.9
12.5°	3178.6
15°	3144.5
17.5°	3103.7
20°	3042.3
22.5°	2974.5
25°	2865.5
27.5°	2729.3
30°	2559.2
32.5°	2348.3
35°	2096.3
37.5°	1817.2
40°	1531.4
42.5°	1266.0
45°	1014.2
47.5°	789.4
50°	598.9
52.5°	442.5
55°	319.9
57.5°	224.5
60°	163.2
62.5°	122.6
65°	88.6
67.5°	68.1
70°	47.7
72.5°	34.1
75°	27.3
77.5°	13.6
80°	13.6
82.5°	6.8
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)