

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: P859371

Luminaire Tested: **LX4C65D010 EX4C659035 4LBMH**

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-08
Report Number: P859371
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 EX4C659035 4LBMH
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

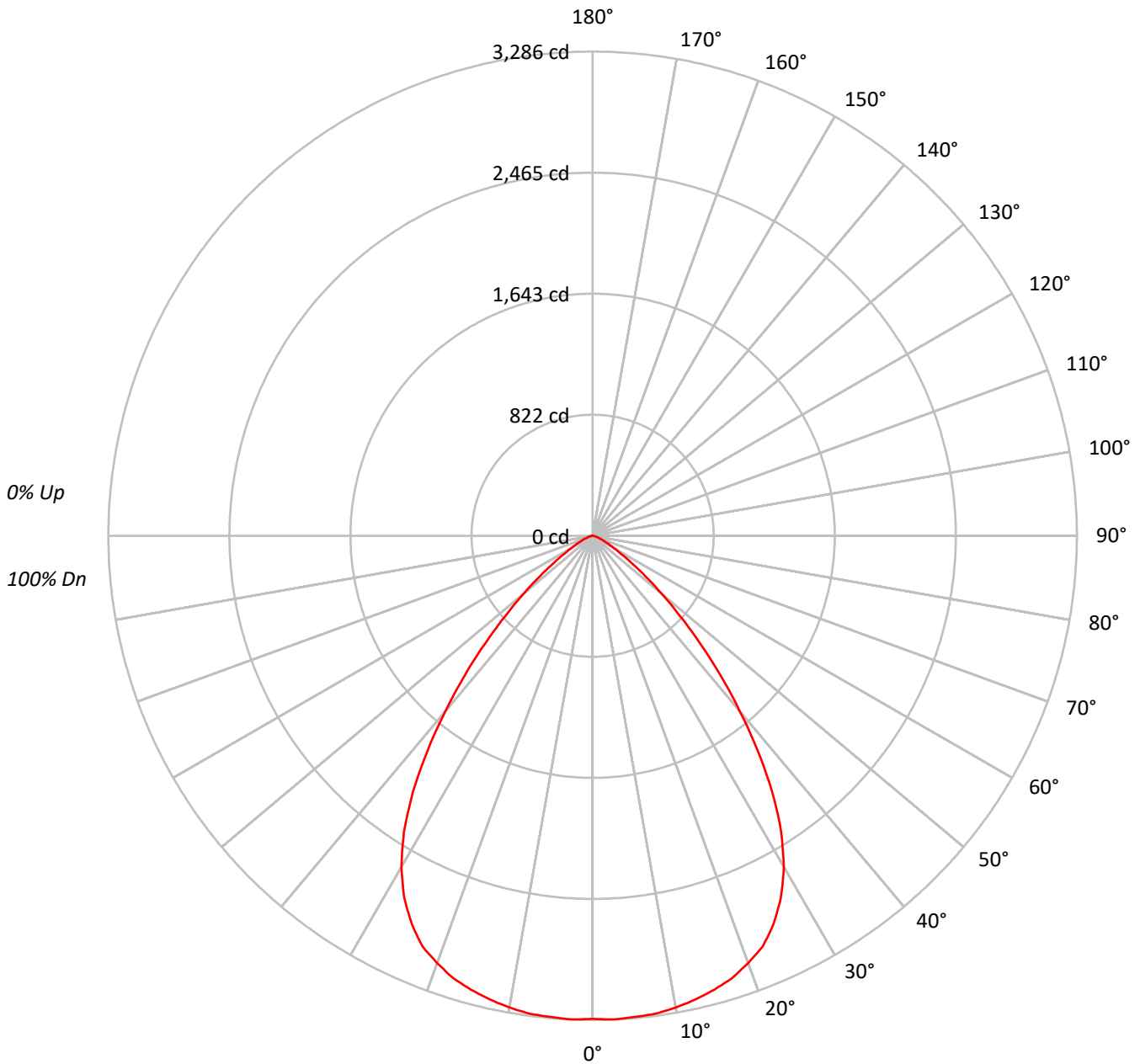
Lumens per Lamp: N/A
Luminaire Lumens: 5087.0 lumens
Efficiency: N/A
Efficacy: 70.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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									
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°	402824
5°	404363
10°	405583
15°	405613
20°	403379
25°	393933
30°	368195
35°	318835
40°	249077
45°	178710
50°	116090
55°	69483
60°	40665
65°	26105
70°	17385
75°	13101
80°	9763
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.2	6.1
10°-20°	899.7	17.7
20°-30°	1327.7	26.1
30°-40°	1310.2	25.8
40°-50°	801.8	15.8
50°-60°	307.4	6.0
60°-70°	96.1	1.9
70°-80°	28.2	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°	2539.6	49.9
0°-40°	3849.8	75.7
0°-60°	4959.0	97.5
0°-90°	5087.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5087.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3279	
5°	3279	312
15°	3189	900
25°	2906	1328
35°	2126	1310
45°	1029	802
55°	324	307
65°	90	96
75°	28	28
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3278.9
2.5°	3285.8
5°	3278.9
7.5°	3272.0
10°	3251.2
12.5°	3223.6
15°	3189.1
17.5°	3147.6
20°	3085.4
22.5°	3016.6
25°	2906.1
27.5°	2767.9
30°	2595.5
32.5°	2381.6
35°	2125.9
37.5°	1843.0
40°	1553.1
42.5°	1283.9
45°	1028.6
47.5°	800.6
50°	607.4
52.5°	448.8
55°	324.4
57.5°	227.7
60°	165.5
62.5°	124.4
65°	89.8
67.5°	69.1
70°	48.4
72.5°	34.5
75°	27.6
77.5°	13.8
80°	13.8
82.5°	6.9
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)