

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: P839357

Luminaire Tested: **LD4C65D010 EU4659027 4LBSH**

Issue Date: 2/14/2022



Test Information

Test Method: LM-79-08
Report Number: P839357
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)
Test Lab: INNOVATION CENTER
Issue Date: 2/14/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C65D010 EU4659027 4LBSH
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

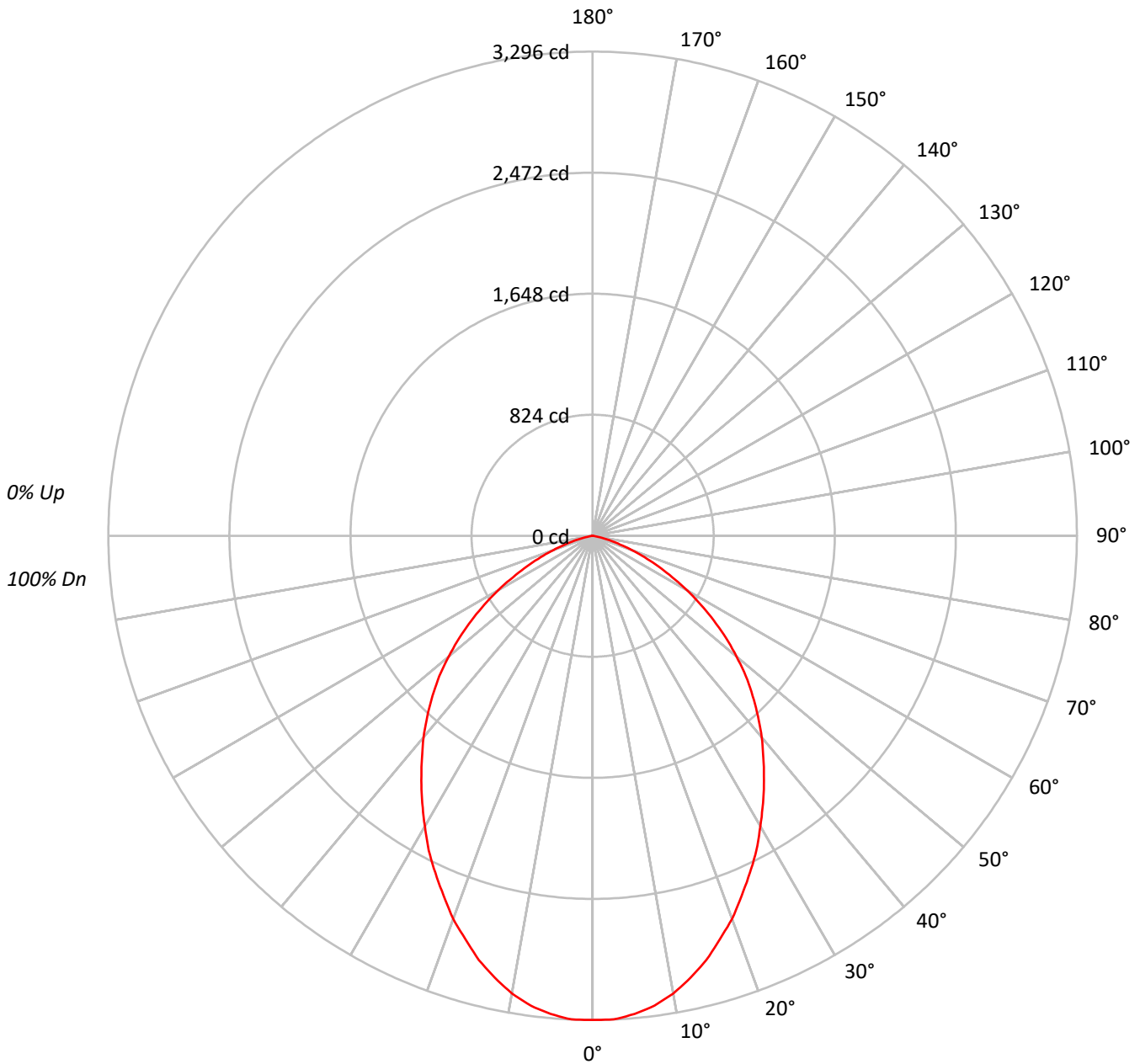
Lumens per Lamp: N/A
Luminaire Lumens: 6302.1 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
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				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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77		
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67		
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58		
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51		
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46		
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41		
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37		
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34		
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	404913
5°	403043
10°	394717
15°	380366
20°	362863
25°	343304
30°	323836
35°	304902
40°	287101
45°	267631
50°	244030
55°	215516
60°	182437
65°	143226
70°	102228
75°	56011
80°	9834
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.7	4.9
10°-20°	839.1	13.3
20°-30°	1165.3	18.5
30°-40°	1271.6	20.2
40°-50°	1186.3	18.8
50°-60°	900.4	14.3
60°-70°	493.1	7.8
70°-80°	135.7	2.2
80°-90°	1.9	0.0
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°	2313.2	36.7
0°-40°	3584.8	56.9
0°-60°	5671.4	90.0
0°-90°	6302.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6302.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3296	
5°	3268	309
15°	2991	839
25°	2533	1165
35°	2033	1272
45°	1540	1186
55°	1006	900
65°	493	493
75°	118	136
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3295.9
2.5°	3295.9
5°	3268.2
7.5°	3226.6
10°	3164.1
12.5°	3080.9
15°	2990.6
17.5°	2879.7
20°	2775.5
22.5°	2650.6
25°	2532.6
27.5°	2414.8
30°	2282.8
32.5°	2157.9
35°	2033.0
37.5°	1908.2
40°	1790.2
42.5°	1665.3
45°	1540.4
47.5°	1415.5
50°	1276.8
52.5°	1144.9
55°	1006.2
57.5°	874.2
60°	742.5
62.5°	610.7
65°	492.7
67.5°	381.6
70°	284.6
72.5°	194.3
75°	118.0
77.5°	55.5
80°	13.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)