

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: P839361

Luminaire Tested: **LD4C65D010 EU4659030 4LBSLI**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P839361
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208407)
Test Lab: INNOVATION CENTER
Issue Date: 2/9/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C65D010 EU4659030 4LBSLI
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

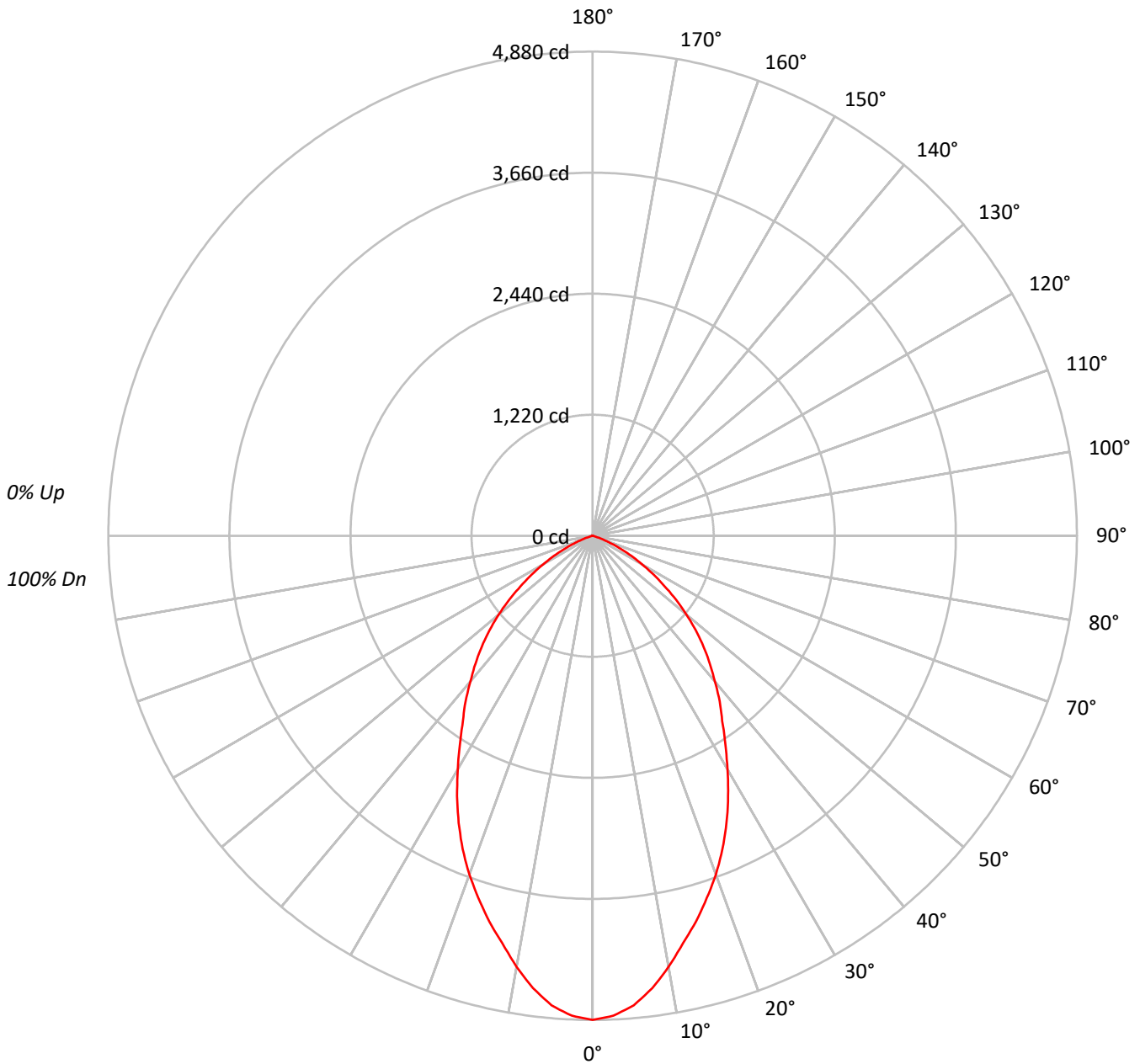
Lumens per Lamp: N/A
Luminaire Lumens: 6834.0 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P839361

CATALOG NUMBER: LD4C65D010 EU4659030 4LBSLI

Luminous Intensity Polar Plot





TEST NUMBER: P839361

CATALOG NUMBER: LD4C65D010 EU4659030 4LBSLI

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80
3	97	89	82	77	95	87	81	77	84	79	75	82	78	74	79	76	73	71
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63
5	84	73	66	61	82	72	65	60	70	64	60	69	63	59	67	62	59	57
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46
8	69	57	50	45	68	57	50	45	55	49	45	54	49	44	53	48	44	42
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	599488
5°	585906
10°	550217
15°	511903
20°	474762
25°	432783
30°	385303
35°	341511
40°	306955
45°	274719
50°	235678
55°	189600
60°	141257
65°	90174
70°	43463
75°	7215
80°	5306
85°	0



TEST NUMBER: P839361

CATALOG NUMBER: LD4C65D010 EU4659030 4LBSLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	442.5	6.5
10°-20°	1128.4	16.5
20°-30°	1462.3	21.4
30°-40°	1432.7	21.0
40°-50°	1214.4	17.8
50°-60°	796.1	11.6
60°-70°	320.0	4.7
70°-80°	36.6	0.5
80°-90°	1.0	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°	3033.2	44.4
0°-40°	4465.9	65.3
0°-60°	6476.4	94.8
0°-90°	6834.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6834.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4880	
5°	4751	442
15°	4025	1128
25°	3193	1462
35°	2277	1433
45°	1581	1214
55°	885	796
65°	310	320
75°	15	37
85°	0	1
90°	0	



TEST NUMBER: P839361

CATALOG NUMBER: LD4C65D010 EU4659030 4LBSLI

CANDELA DISTRIBUTION (FULL):

	0°
0°	4879.7
2.5°	4841.8
5°	4751.0
7.5°	4599.7
10°	4410.6
12.5°	4206.3
15°	4024.8
17.5°	3828.2
20°	3631.4
22.5°	3419.6
25°	3192.7
27.5°	2958.0
30°	2716.1
32.5°	2489.1
35°	2277.1
37.5°	2103.2
40°	1914.0
42.5°	1747.6
45°	1581.2
47.5°	1407.2
50°	1233.1
52.5°	1059.2
55°	885.2
57.5°	726.3
60°	574.9
62.5°	438.7
65°	310.2
67.5°	204.3
70°	121.0
72.5°	52.9
75°	15.2
77.5°	7.5
80°	7.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)