

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: P#

Luminaire Tested: **LD4C60D010 EX4C609027 4LBSQH**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207151)
Test Lab: INNOVATION CENTER
Issue Date: 2/9/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C60D010 EX4C609027 4LBSQH
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBSQ TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

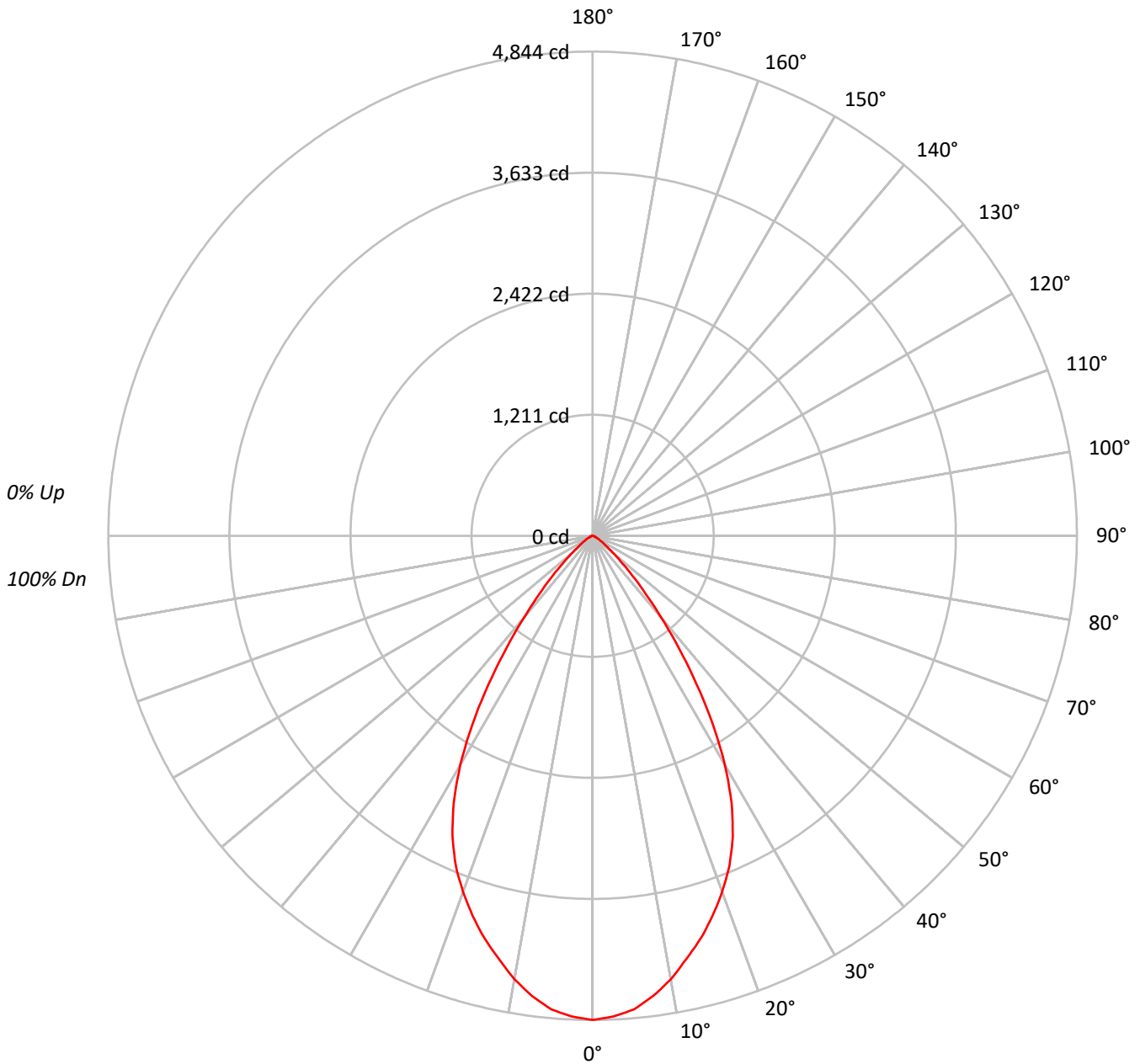
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4885.0 lumens
Efficiency: N/A
Efficacy: 67.8 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 72
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: P#
CATALOG NUMBER: LD4C60D010 EX4C609027 4LBSQH

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD4C60D010 EX4C609027 4LBSQH

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	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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																											
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85																											
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79																											
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73																											
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67																											
6	86	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62																											
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58																											
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54																											
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	52	50																											
10	69	59	53	49	68	59	53	49	58	52	49	57	52	48	56	52	48	47																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	467373
5°	460586
10°	441339
15°	416842
20°	389101
25°	353215
30°	294895
35°	213638
40°	133741
45°	76443
50°	39854
55°	22340
60°	14242
65°	8425
70°	6235
75°	2759
80°	4112
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LD4C60D010 EX4C609027 4LBSQH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	445.7	9.1
10°-20°	1169.3	23.9
20°-30°	1502.7	30.8
30°-40°	1130.6	23.1
40°-50°	454.1	9.3
50°-60°	129.1	2.6
60°-70°	40.9	0.8
70°-80°	11.7	0.2
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°	3117.7	63.8
0°-40°	4248.3	87.0
0°-60°	4831.5	98.9
0°-90°	4885.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4885.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4844	
5°	4755	446
15°	4173	1169
25°	3318	1503
35°	1814	1131
45°	560	454
55°	133	129
65°	37	41
75°	7	12
85°	0	1
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LD4C60D010 EX4C609027 4LBSQH

CANDELA DISTRIBUTION (FULL):

	0°
0°	4843.8
2.5°	4814.3
5°	4755.3
7.5°	4644.6
10°	4504.5
12.5°	4335.2
15°	4172.9
17.5°	3988.5
20°	3789.4
22.5°	3575.8
25°	3317.7
27.5°	3007.9
30°	2646.8
32.5°	2241.2
35°	1813.7
37.5°	1415.5
40°	1061.8
42.5°	781.5
45°	560.2
47.5°	383.5
50°	265.5
52.5°	184.4
55°	132.8
57.5°	95.9
60°	73.8
62.5°	51.6
65°	36.9
67.5°	29.5
70°	22.1
72.5°	14.8
75°	7.4
77.5°	7.4
80°	7.4
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)