

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: P859280

Luminaire Tested: **LD4C60D010 EU4609030 4LBSH**

Issue Date: 2/14/2022



Test Information

Test Method: LM-79-08
Report Number: P859280
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: LD4C60D010 EU4609030 4LBSH
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBS TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

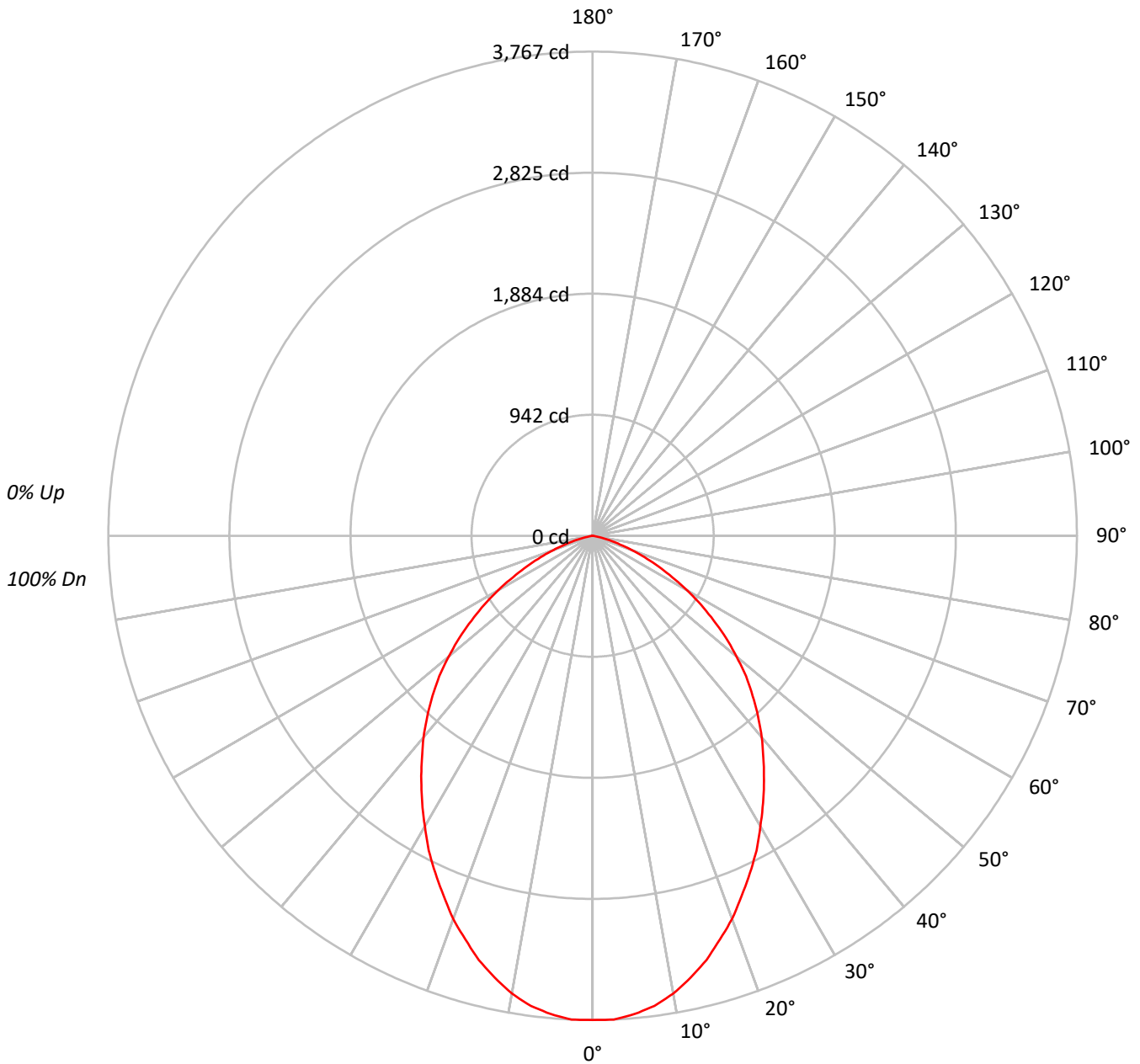
Lumens per Lamp: N/A
Luminaire Lumens: 7203.6 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 97.5
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	0
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°	462838
5°	460709
10°	451179
15°	434790
20°	414779
25°	392415
30°	370181
35°	348530
40°	328173
45°	305923
50°	278949
55°	246338
60°	208531
65°	163720
70°	116848
75°	64033
80°	11320
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.9	4.9
10°-20°	959.2	13.3
20°-30°	1332.0	18.5
30°-40°	1453.6	20.2
40°-50°	1355.9	18.8
50°-60°	1029.2	14.3
60°-70°	563.6	7.8
70°-80°	155.1	2.2
80°-90°	2.2	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°	2644.1	36.7
0°-40°	4097.6	56.9
0°-60°	6482.8	90.0
0°-90°	7203.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7203.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3767	
5°	3736	353
15°	3418	959
25°	2895	1332
35°	2324	1454
45°	1761	1356
55°	1150	1029
65°	563	564
75°	135	155
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3767.4
2.5°	3767.4
5°	3735.8
7.5°	3688.3
10°	3616.7
12.5°	3521.6
15°	3418.5
17.5°	3291.6
20°	3172.6
22.5°	3029.8
25°	2894.9
27.5°	2760.2
30°	2609.5
32.5°	2466.6
35°	2323.9
37.5°	2181.1
40°	2046.3
42.5°	1903.5
45°	1760.8
47.5°	1617.9
50°	1459.5
52.5°	1308.7
55°	1150.1
57.5°	999.4
60°	848.7
62.5°	698.0
65°	563.2
67.5°	436.2
70°	325.3
72.5°	222.1
75°	134.9
77.5°	63.4
80°	16.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)