

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: P859303

Luminaire Tested: **LD4C60D010 EU4609030 4LRMD45H**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P859303
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-9)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C60D010 EU4609030 4LRMD45H
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LRMD45 TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

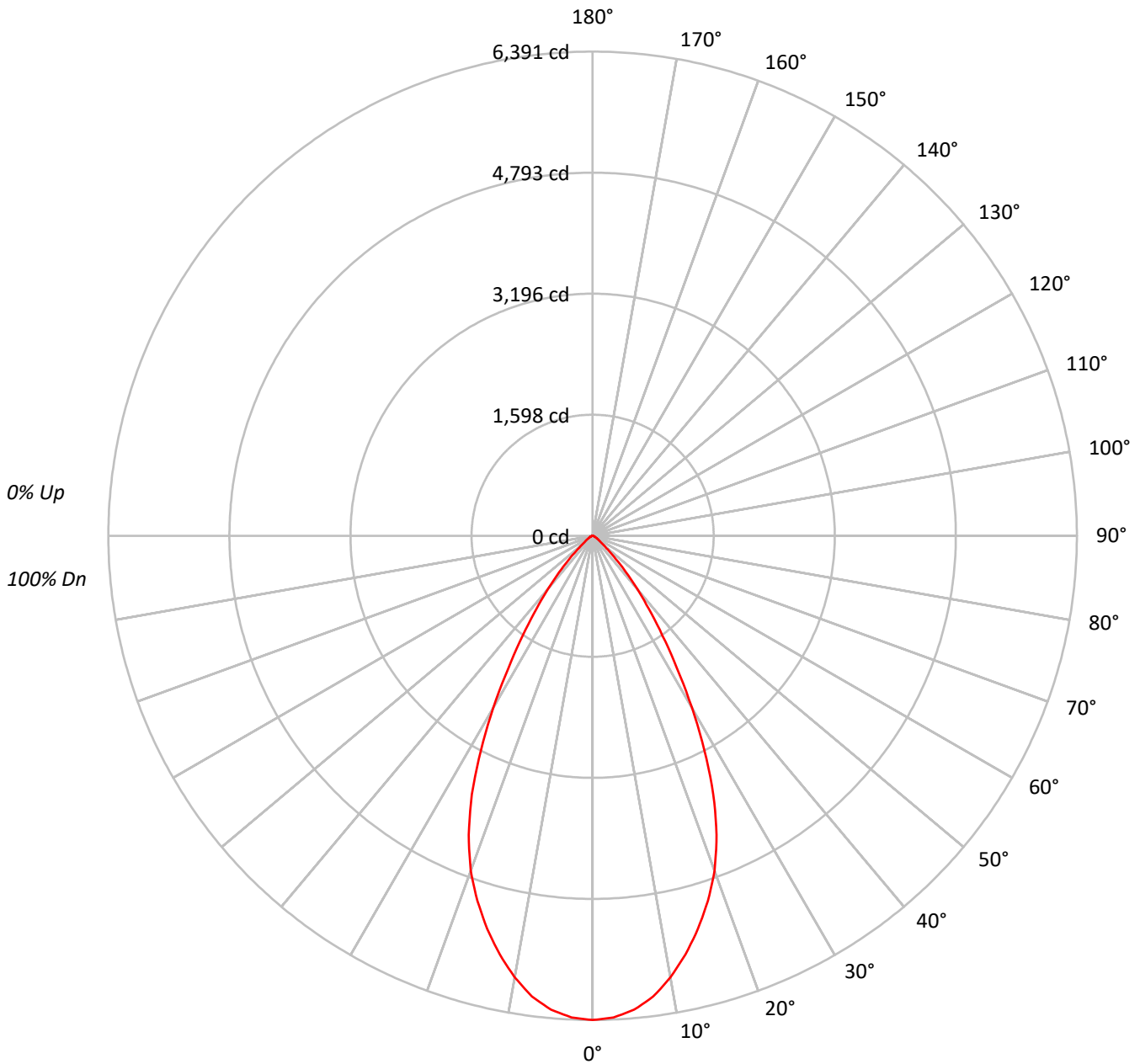
Lumens per Lamp: N/A
Luminaire Lumens: 5304.9 lumens
Efficiency: N/A
Efficacy: 54.4 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	81			
4	97	90	84	80	95	88	83	79	86	82	78	84	80	77	82	79	77	75			
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70			
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61			
8	79	70	64	60	78	69	63	60	68	63	59	67	62	59	66	62	59	57			
9	76	66	60	56	74	65	60	56	64	59	56	64	59	56	63	58	55	54			
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	785157
5°	774553
10°	738225
15°	683097
20°	614926
25°	510862
30°	371373
35°	240712
40°	145684
45°	75074
50°	33982
55°	20476
60°	13710
65°	9826
70°	7364
75°	4889
80°	3184
85°	2114



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	588.0	11.1
10°-20°	1498.7	28.3
20°-30°	1694.8	31.9
30°-40°	1024.2	19.3
40°-50°	358.7	6.8
50°-60°	91.8	1.7
60°-70°	35.1	0.7
70°-80°	11.8	0.2
80°-90°	1.8	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°	3781.5	71.3
0°-40°	4805.7	90.6
0°-60°	5256.2	99.1
0°-90°	5304.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5304.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6391	
5°	6281	588
15°	5371	1499
25°	3769	1695
35°	1605	1024
45°	432	359
55°	96	92
65°	34	35
75°	10	12
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6391.0
2.5°	6364.4
5°	6280.7
7.5°	6132.2
10°	5917.7
12.5°	5658.9
15°	5370.8
17.5°	5054.9
20°	4703.5
22.5°	4272.9
25°	3768.7
27.5°	3191.1
30°	2617.9
32.5°	2069.6
35°	1605.0
37.5°	1217.1
40°	908.4
42.5°	652.6
45°	432.1
47.5°	266.0
50°	177.8
52.5°	127.9
55°	95.6
57.5°	73.4
60°	55.8
62.5°	44.1
65°	33.8
67.5°	26.4
70°	20.5
72.5°	14.7
75°	10.3
77.5°	7.3
80°	4.5
82.5°	2.9
85°	1.5
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)