

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: P859283

Luminaire Tested: **LD4C60D010 EU4609030 4LRMD45H**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P859283
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

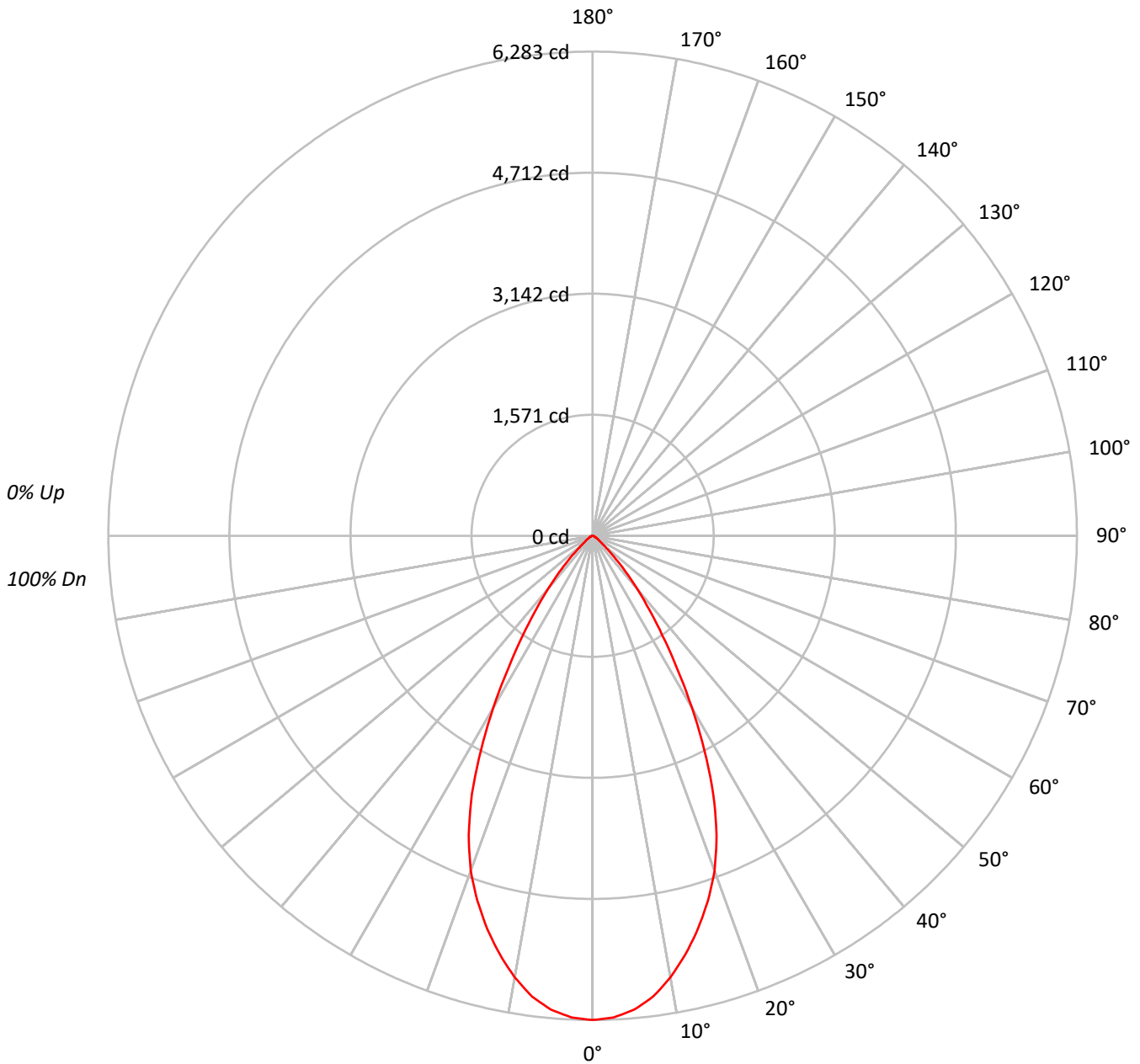
Lumens per Lamp: N/A
Luminaire Lumens: 5215.3 lumens
Efficiency: N/A
Efficacy: 53.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	771876
5°	761456
10°	725738
15°	671549
20°	604532
25°	502227
30°	365088
35°	236648
40°	143214
45°	73805
50°	33409
55°	20134
60°	13489
65°	9651
70°	7256
75°	4794
80°	3113
85°	2114



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	578.0	11.1
10°-20°	1473.4	28.3
20°-30°	1666.1	31.9
30°-40°	1006.9	19.3
40°-50°	352.7	6.8
50°-60°	90.2	1.7
60°-70°	34.6	0.7
70°-80°	11.6	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°	3717.5	71.3
0°-40°	4724.4	90.6
0°-60°	5167.3	99.1
0°-90°	5215.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5215.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6283	
5°	6174	578
15°	5280	1473
25°	3705	1666
35°	1578	1007
45°	425	353
55°	94	90
65°	33	35
75°	10	12
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6282.9
2.5°	6256.8
5°	6174.5
7.5°	6028.5
10°	5817.6
12.5°	5563.2
15°	5280.0
17.5°	4969.4
20°	4624.0
22.5°	4200.6
25°	3705.0
27.5°	3137.1
30°	2573.6
32.5°	2034.6
35°	1577.9
37.5°	1196.5
40°	893.0
42.5°	641.6
45°	424.8
47.5°	261.5
50°	174.8
52.5°	125.7
55°	94.0
57.5°	72.2
60°	54.9
62.5°	43.4
65°	33.2
67.5°	26.0
70°	20.2
72.5°	14.5
75°	10.1
77.5°	7.2
80°	4.4
82.5°	2.9
85°	1.5
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)