

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: P859282

Luminaire Tested: **LD4C60D010 EU4609030 4LBWH**

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-08
Report Number: P859282
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206636)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C60D010 EU4609030 4LBWH
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBW TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver:

Summary

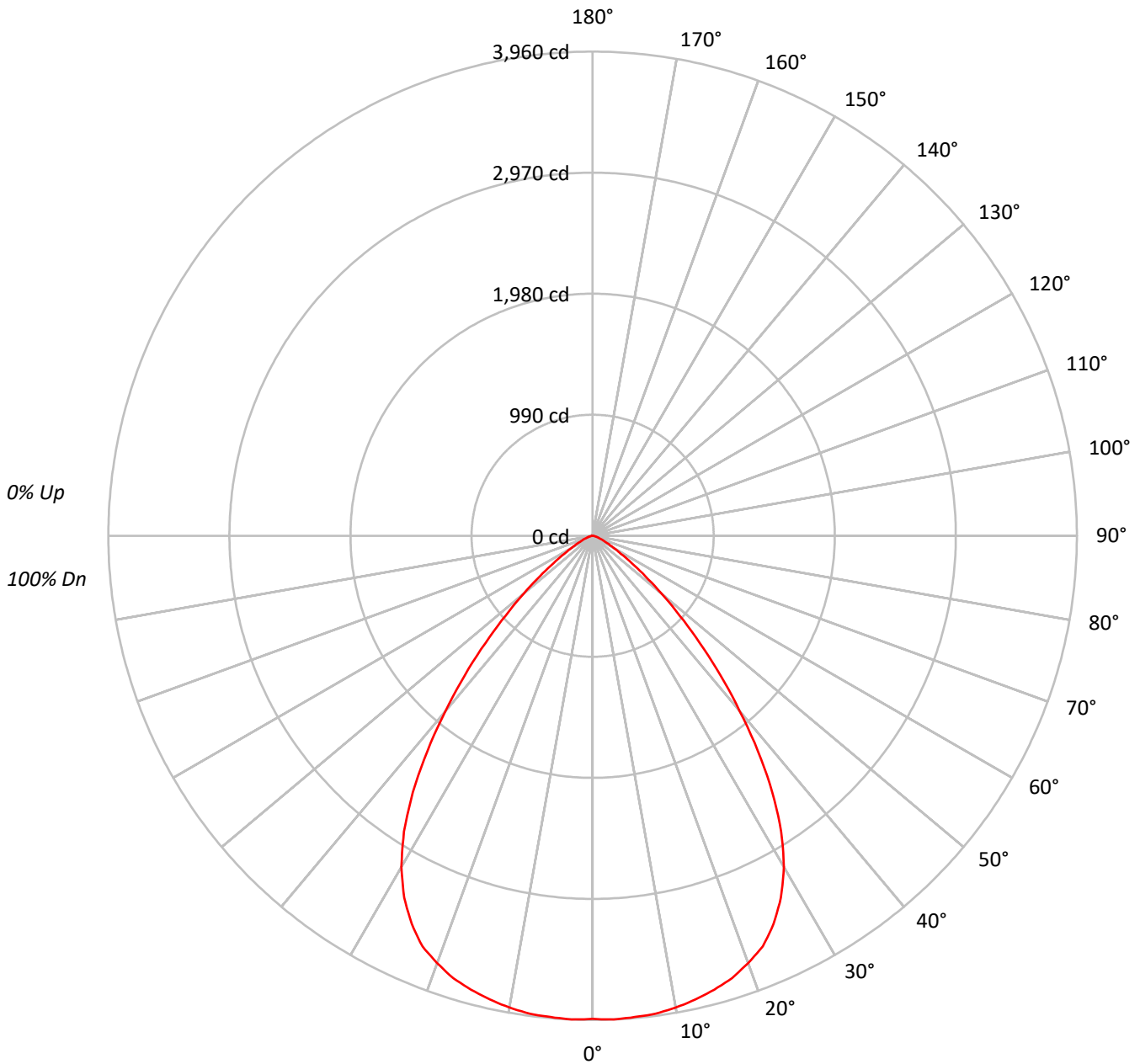
Lumens per Lamp: N/A
Luminaire Lumens: 6130.6 lumens
Efficiency: N/A
Efficacy: 62.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 97.5
Input Voltage (V):
Input Current (Ain): 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82		
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61		
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50		
8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46		
9	68	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43		
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	485456
5°	487310
10°	488803
15°	488819
20°	486136
25°	474750
30°	443735
35°	384255
40°	300172
45°	215369
50°	139904
55°	83748
60°	49019
65°	31453
70°	20941
75°	15806
80°	11815
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.3	6.1
10°-20°	1084.3	17.7
20°-30°	1600.0	26.1
30°-40°	1579.0	25.8
40°-50°	966.3	15.8
50°-60°	370.4	6.0
60°-70°	115.8	1.9
70°-80°	34.0	0.6
80°-90°	4.5	0.1
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°	3060.6	49.9
0°-40°	4639.6	75.7
0°-60°	5976.3	97.5
0°-90°	6130.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6130.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3952	
5°	3952	376
15°	3843	1084
25°	3502	1600
35°	2562	1579
45°	1240	966
55°	391	370
65°	108	116
75°	33	34
85°	0	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3951.5
2.5°	3959.9
5°	3951.5
7.5°	3943.2
10°	3918.3
12.5°	3884.9
15°	3843.3
17.5°	3793.4
20°	3718.4
22.5°	3635.5
25°	3502.3
27.5°	3335.7
30°	3128.0
32.5°	2870.2
35°	2562.1
37.5°	2221.1
40°	1871.7
42.5°	1547.3
45°	1239.6
47.5°	964.8
50°	732.0
52.5°	540.8
55°	391.0
57.5°	274.4
60°	199.5
62.5°	149.8
65°	108.2
67.5°	83.3
70°	58.3
72.5°	41.6
75°	33.3
77.5°	16.7
80°	16.7
82.5°	8.3
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)