

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: P840410

Luminaire Tested: **LDS4C60D010 EU4609030 4LBPSSQMB**

Issue Date: 8/24/2022

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P840410
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-18)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDS4C60D010 EU4609030 4LBPSSQMB
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBPSSQ TRIM WITH MB FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

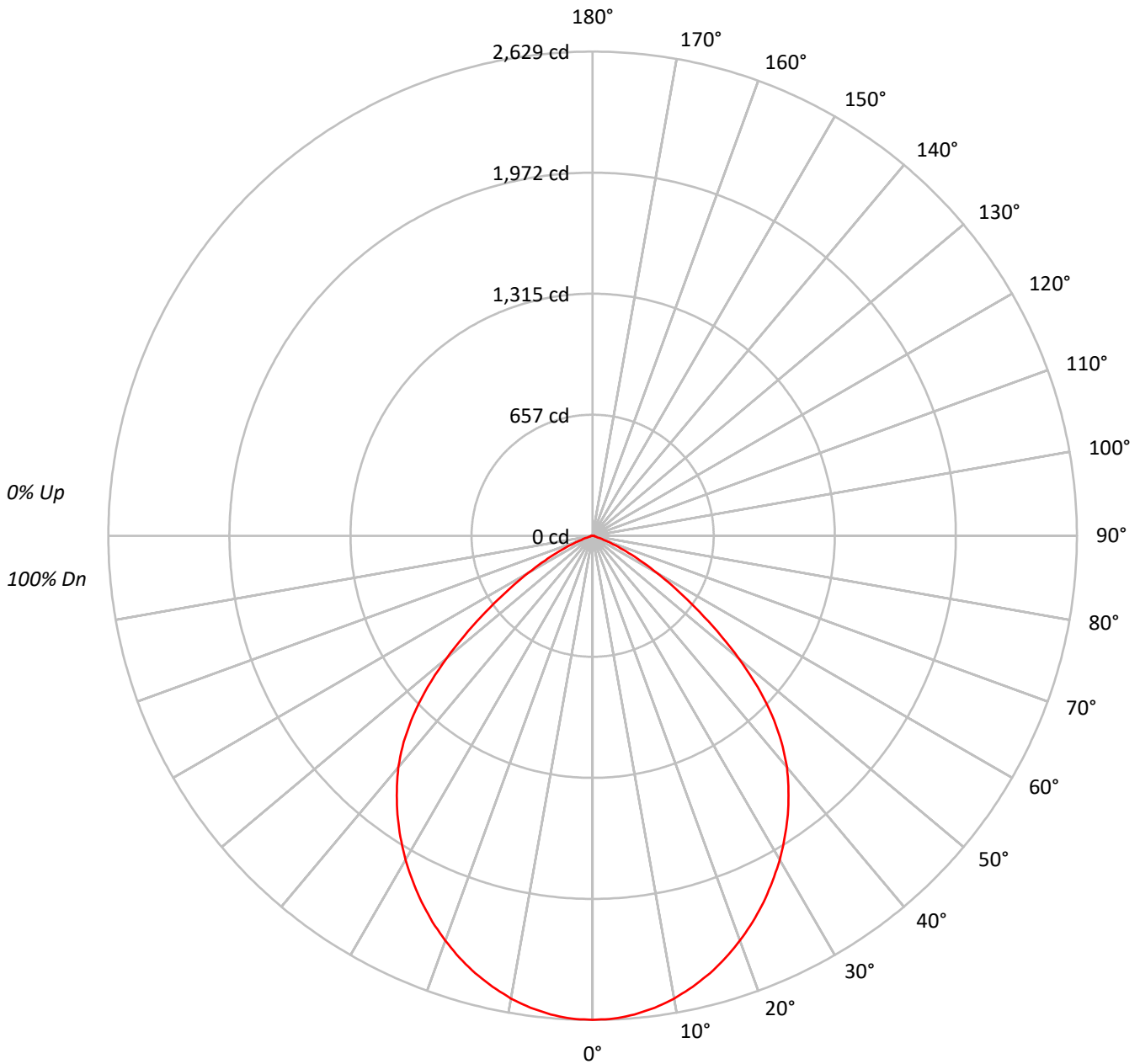
Lumens per Lamp: N/A
Luminaire Lumens: 5006.1 lumens
Efficiency: N/A
Efficacy: 69.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

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

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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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90			
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70			
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62			
5	83	72	64	59	81	71	64	58	69	63	58	67	61	57	65	60	57	55			
6	77	65	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49			
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44			
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40			
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36			
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	253631
5°	252759
10°	249980
15°	245686
20°	240182
25°	233762
30°	226397
35°	217678
40°	206696
45°	187927
50°	155154
55°	114240
60°	77538
65°	45411
70°	17942
75°	4026
80°	5279
85°	8967



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.3	4.9
10°-20°	692.5	13.8
20°-30°	1010.2	20.2
30°-40°	1153.0	23.0
40°-50°	1048.2	20.9
50°-60°	618.3	12.3
60°-70°	207.4	4.1
70°-80°	21.7	0.4
80°-90°	7.6	0.2
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°	1950.0	39.0
0°-40°	3103.0	62.0
0°-60°	4769.5	95.3
0°-90°	5006.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5006.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2629	
5°	2610	247
15°	2460	693
25°	2196	1010
35°	1848	1153
45°	1377	1048
55°	679	618
65°	199	207
75°	11	22
85°	8	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2628.6
2.5°	2624.5
5°	2609.6
7.5°	2585.3
10°	2551.4
12.5°	2508.2
15°	2459.5
17.5°	2402.6
20°	2339.1
22.5°	2270.1
25°	2195.7
27.5°	2114.5
30°	2032.0
32.5°	1941.3
35°	1848.0
37.5°	1746.5
40°	1641.0
42.5°	1517.9
45°	1377.2
47.5°	1214.8
50°	1033.6
52.5°	852.3
55°	679.1
57.5°	531.7
60°	401.8
62.5°	290.9
65°	198.9
67.5°	121.8
70°	63.6
72.5°	24.4
75°	10.8
77.5°	10.8
80°	9.5
82.5°	8.1
85°	8.1
87.5°	6.8
90°	0.0



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— 0°-180°







(END OF REPORT)