

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: P840412

Luminaire Tested: **LDS4C60D010 EU4609035 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: P840412
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 EU4609035 4LBPSSQMB
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBPSSQ TRIM WITH MB FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

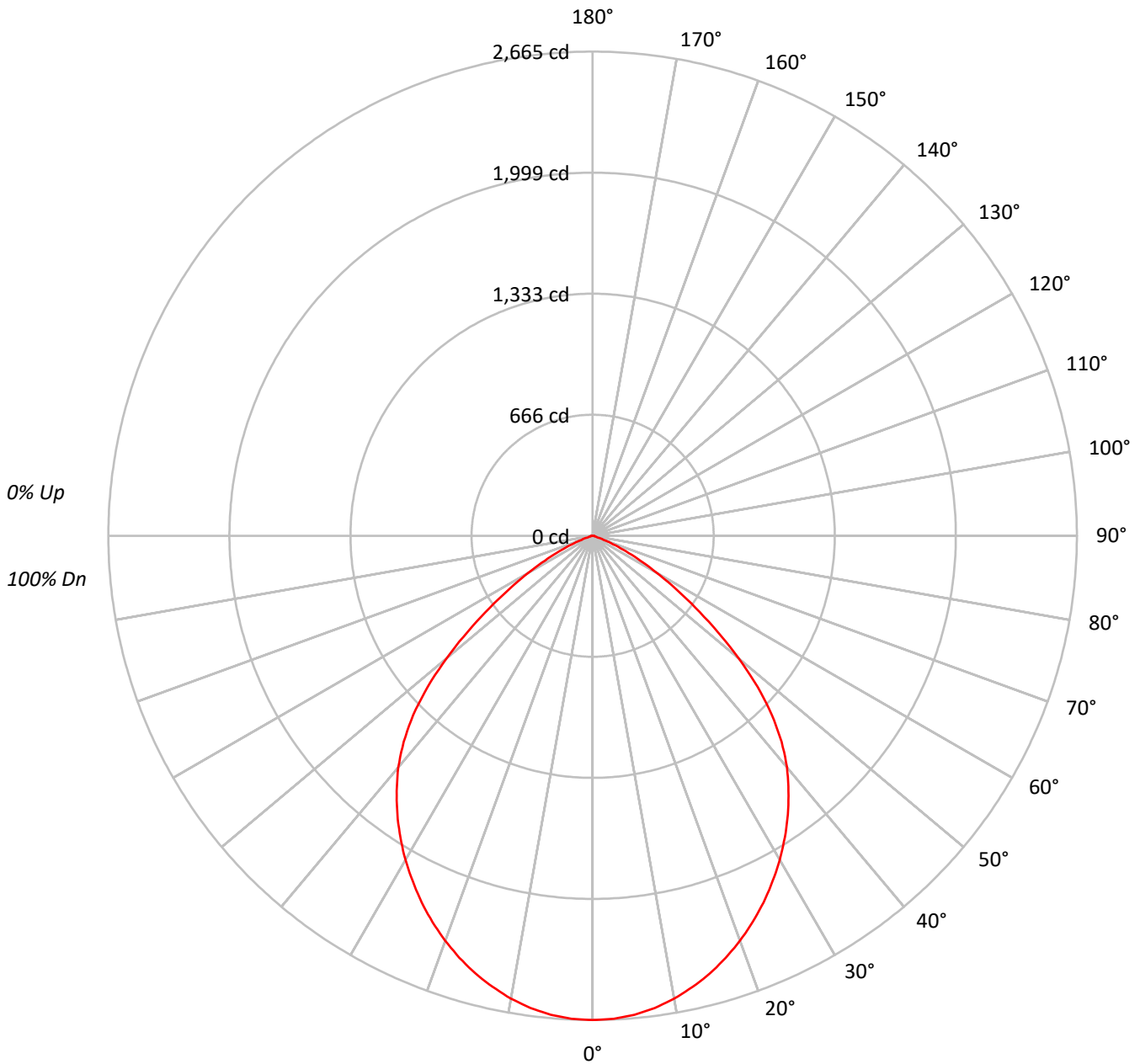
Lumens per Lamp: N/A
Luminaire Lumens: 5076.0 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

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°	257172
5°	256295
10°	253477
15°	249112
20°	243540
25°	237031
30°	229561
35°	220717
40°	209580
45°	190547
50°	157315
55°	115839
60°	78619
65°	46028
70°	18196
75°	4101
80°	5334
85°	9078



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.7	4.9
10°-20°	702.2	13.8
20°-30°	1024.3	20.2
30°-40°	1169.2	23.0
40°-50°	1062.9	20.9
50°-60°	626.9	12.3
60°-70°	210.2	4.1
70°-80°	22.0	0.4
80°-90°	7.7	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°	1977.2	39.0
0°-40°	3146.4	62.0
0°-60°	4836.1	95.3
0°-90°	5076.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5076.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2665	
5°	2646	251
15°	2494	702
25°	2226	1024
35°	1874	1169
45°	1396	1063
55°	689	627
65°	202	210
75°	11	22
85°	8	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2665.3
2.5°	2661.2
5°	2646.1
7.5°	2621.4
10°	2587.1
12.5°	2543.2
15°	2493.8
17.5°	2436.2
20°	2371.8
22.5°	2301.8
25°	2226.4
27.5°	2144.0
30°	2060.4
32.5°	1968.5
35°	1873.8
37.5°	1770.9
40°	1663.9
42.5°	1539.1
45°	1396.4
47.5°	1231.8
50°	1048.0
52.5°	864.2
55°	688.6
57.5°	539.1
60°	407.4
62.5°	294.9
65°	201.6
67.5°	123.5
70°	64.5
72.5°	24.7
75°	11.0
77.5°	11.0
80°	9.6
82.5°	8.2
85°	8.2
87.5°	6.9
90°	0.0



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— 0°-180°







(END OF REPORT)