

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: P840417

Luminaire Tested: **LDS4C60D010 EU4609050 4LBPSSQMMS**

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: P840417
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 EU4609050 4LBSSQMMS
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBSSQ TRIM WITH MMS FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

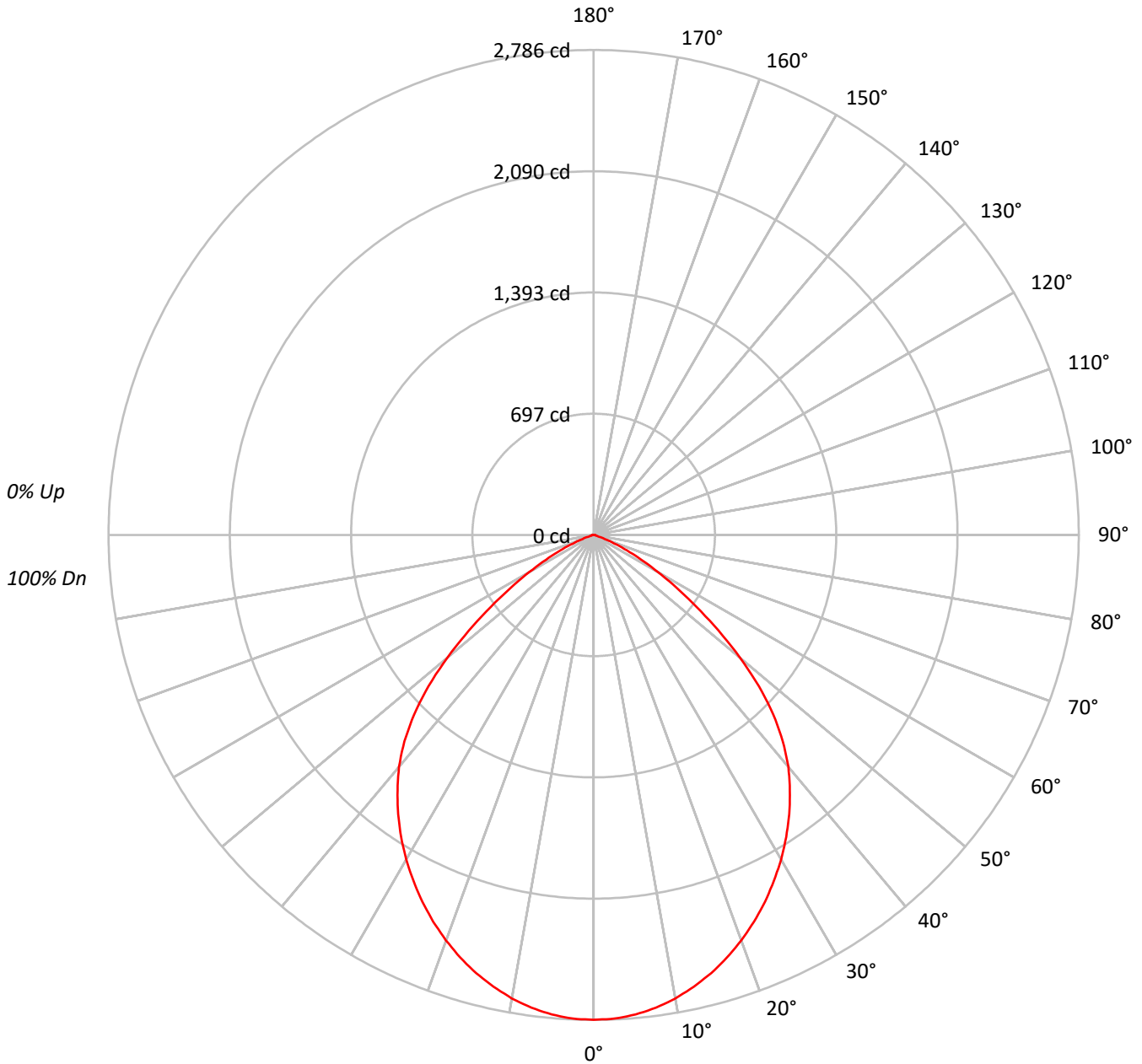
Lumens per Lamp: N/A
Luminaire Lumens: 5305.0 lumens
Efficiency: N/A
Efficacy: 73.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

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			100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90			90
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			79
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70			70
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62			62
5	83	72	64	59	81	71	64	58	69	63	58	67	61	57	65	60	57	55			55
6	77	65	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49			49
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44			44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40			40
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36			36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33			33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	268779
5°	267859
10°	264911
15°	260360
20°	254526
25°	247720
30°	239912
35°	230670
40°	219040
45°	199144
50°	164416
55°	121070
60°	82170
65°	48105
70°	19015
75°	4287
80°	5557
85°	9521



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.0	4.9
10°-20°	733.9	13.8
20°-30°	1070.5	20.2
30°-40°	1221.9	23.0
40°-50°	1110.8	20.9
50°-60°	655.2	12.4
60°-70°	219.7	4.1
70°-80°	23.0	0.4
80°-90°	8.0	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°	2066.4	39.0
0°-40°	3288.3	62.0
0°-60°	5054.3	95.3
0°-90°	5305.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5305.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2786	
5°	2766	262
15°	2606	734
25°	2327	1070
35°	1958	1222
45°	1459	1111
55°	720	655
65°	211	220
75°	12	23
85°	9	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2785.6
2.5°	2781.3
5°	2765.5
7.5°	2739.7
10°	2703.8
12.5°	2658.0
15°	2606.4
17.5°	2546.1
20°	2478.8
22.5°	2405.6
25°	2326.8
27.5°	2240.8
30°	2153.3
32.5°	2057.3
35°	1958.3
37.5°	1850.8
40°	1739.0
42.5°	1608.5
45°	1459.4
47.5°	1287.4
50°	1095.3
52.5°	903.2
55°	719.7
57.5°	563.4
60°	425.8
62.5°	308.2
65°	210.7
67.5°	129.0
70°	67.4
72.5°	25.8
75°	11.5
77.5°	11.5
80°	10.0
82.5°	8.6
85°	8.6
87.5°	7.2
90°	0.0



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— 0°-180°







(END OF REPORT)