

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: P840416

Luminaire Tested: **LDS4C60D010 EU4609050 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: P840416  
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 4LBSSQMB  
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 4LBSSQ TRIM WITH MB FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

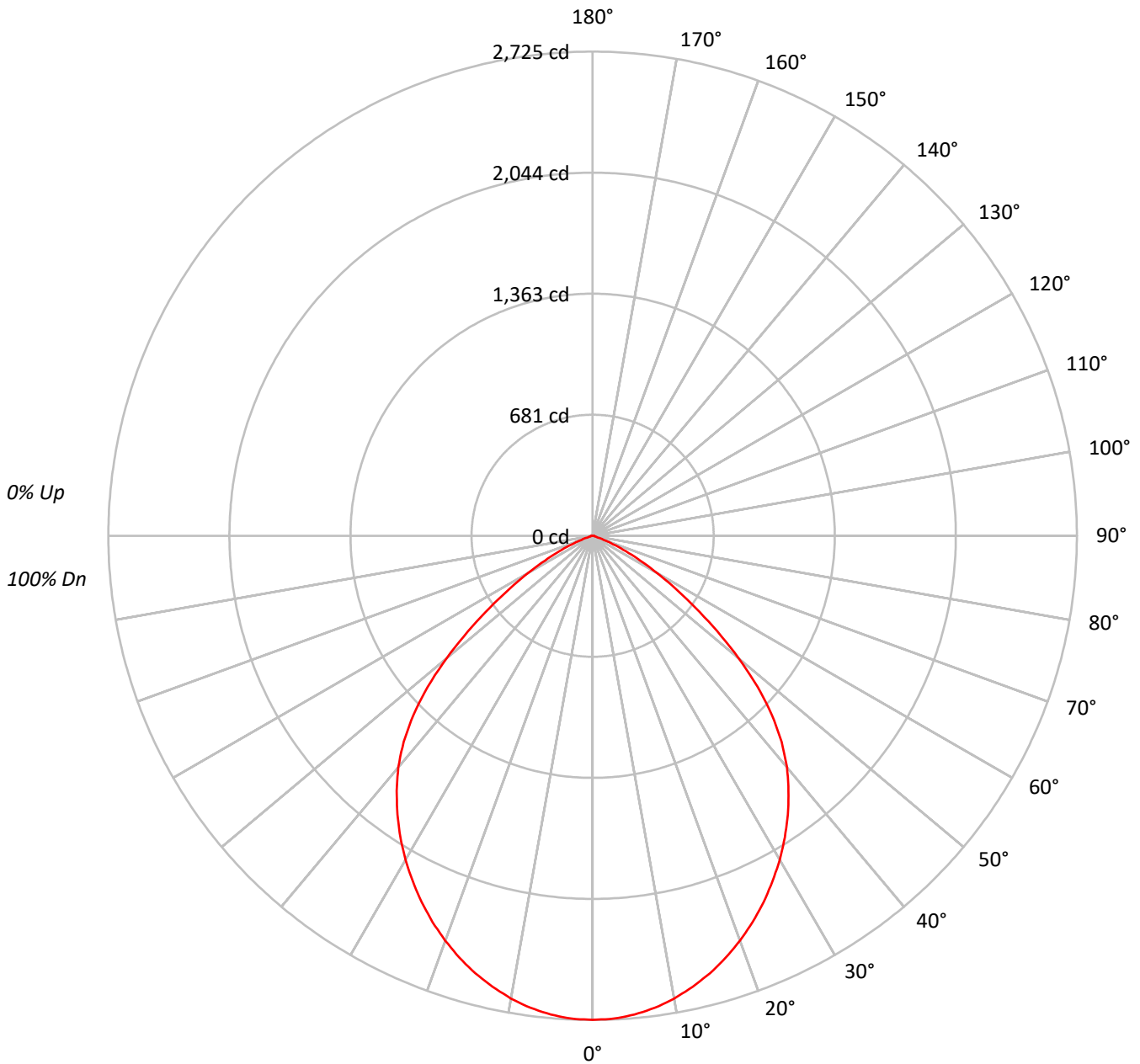
Lumens per Lamp: N/A  
Luminaire Lumens: 5188.9 lumens  
Efficiency: N/A  
Efficacy: 72.1 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25  
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 72  
Input Voltage (V):  
Input Current (A<sub>in</sub>): 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

TEST NUMBER: P840416

CATALOG NUMBER: LDS4C60D010 EU4609050 4LBPSSQMB

### Luminous Intensity Polar Plot





TEST NUMBER: P840416

CATALOG NUMBER: LDS4C60D010 EU4609050 4LBPSSQMB

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20																	
RC	80									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	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°	262894
5°	261999
10°	259121
15°	254666
20°	248961
25°	242301
30°	234664
35°	225629
40°	214253
45°	194791
50°	160813
55°	118412
60°	80375
65°	47055
70°	18591
75°	4175
80°	5445
85°	9300



TEST NUMBER: P840416

CATALOG NUMBER: LDS4C60D010 EU4609050 4LBPSSQMB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	256.3	4.9
10°-20°	717.9	13.8
20°-30°	1047.1	20.2
30°-40°	1195.2	23.0
40°-50°	1086.6	20.9
50°-60°	640.8	12.3
60°-70°	214.9	4.1
70°-80°	22.4	0.4
80°-90°	7.8	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°	2021.2	39.0
0°-40°	3216.4	62.0
0°-60°	4943.8	95.3
0°-90°	5188.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5188.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2725	
5°	2705	256
15°	2549	718
25°	2276	1047
35°	1916	1195
45°	1428	1087
55°	704	641
65°	206	215
75°	11	22
85°	8	8
90°	0	



TEST NUMBER: P840416

CATALOG NUMBER: LDS4C60D010 EU4609050 4LBPSSQMB

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2724.6
2.5°	2720.4
5°	2705.0
7.5°	2679.8
10°	2644.7
12.5°	2599.8
15°	2549.4
17.5°	2490.5
20°	2424.6
22.5°	2353.0
25°	2275.9
27.5°	2191.8
30°	2106.2
32.5°	2012.3
35°	1915.5
37.5°	1810.4
40°	1701.0
42.5°	1573.4
45°	1427.5
47.5°	1259.3
50°	1071.3
52.5°	883.4
55°	703.9
57.5°	551.1
60°	416.5
62.5°	301.5
65°	206.1
67.5°	126.2
70°	65.9
72.5°	25.2
75°	11.2
77.5°	11.2
80°	9.8
82.5°	8.4
85°	8.4
87.5°	7.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)