

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: P840438

Luminaire Tested: **LDS4C75D010 EU4759027 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: P840438
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: LDS4C75D010 EU4759027 4LBPSSQMB
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBPSSQ TRIM WITH MB FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

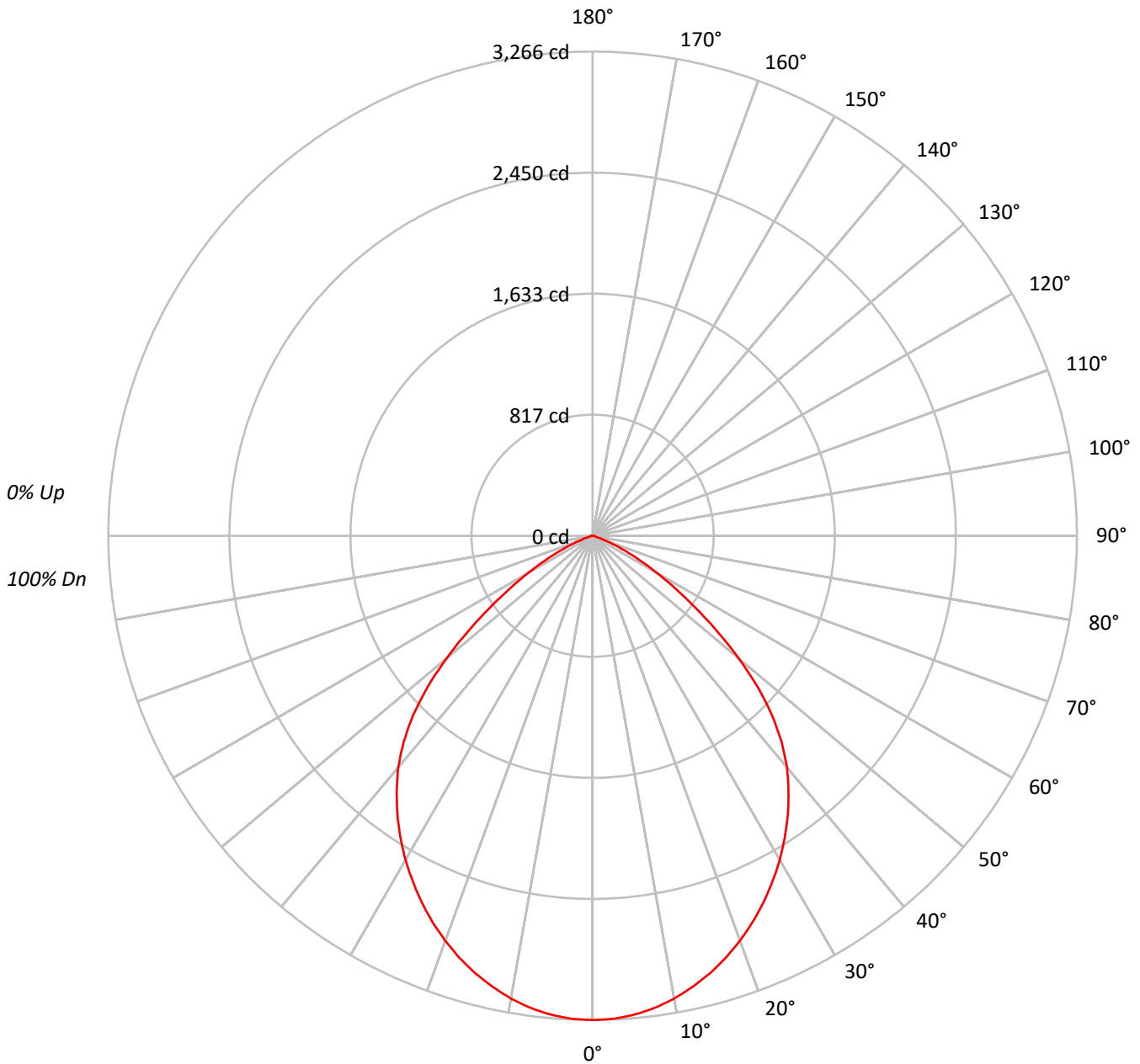
Lumens per Lamp: N/A
Luminaire Lumens: 6220.0 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 81.5
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°	315133
5°	314060
10°	310608
15°	305262
20°	298423
25°	290444
30°	281291
35°	270460
40°	256814
45°	233503
50°	192771
55°	141947
60°	96335
65°	56416
70°	22287
75°	4996
80°	6557
85°	11182



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.2	4.9
10°-20°	860.5	13.8
20°-30°	1255.1	20.2
30°-40°	1432.7	23.0
40°-50°	1302.5	20.9
50°-60°	768.2	12.3
60°-70°	257.6	4.1
70°-80°	26.9	0.4
80°-90°	9.4	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°	2422.8	39.0
0°-40°	3855.5	62.0
0°-60°	5926.1	95.3
0°-90°	6220.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6220.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3266	
5°	3242	307
15°	3056	860
25°	2728	1255
35°	2296	1433
45°	1711	1302
55°	844	768
65°	247	258
75°	13	27
85°	10	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3266.0
2.5°	3261.0
5°	3242.5
7.5°	3212.2
10°	3170.2
12.5°	3116.4
15°	3055.9
17.5°	2985.3
20°	2906.3
22.5°	2820.6
25°	2728.1
27.5°	2627.3
30°	2524.7
32.5°	2412.1
35°	2296.1
37.5°	2170.1
40°	2038.9
42.5°	1886.0
45°	1711.2
47.5°	1509.5
50°	1284.2
52.5°	1059.0
55°	843.8
57.5°	660.6
60°	499.2
62.5°	361.4
65°	247.1
67.5°	151.3
70°	79.0
72.5°	30.3
75°	13.4
77.5°	13.4
80°	11.8
82.5°	10.1
85°	10.1
87.5°	8.4
90°	0.0



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— 0°-180°







(END OF REPORT)