

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: P840446

Luminaire Tested: **LDS4C75D010 EU4759050 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: P840446
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 EU4759050 4LBSSQMB
Description: 4 INCH 7500 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

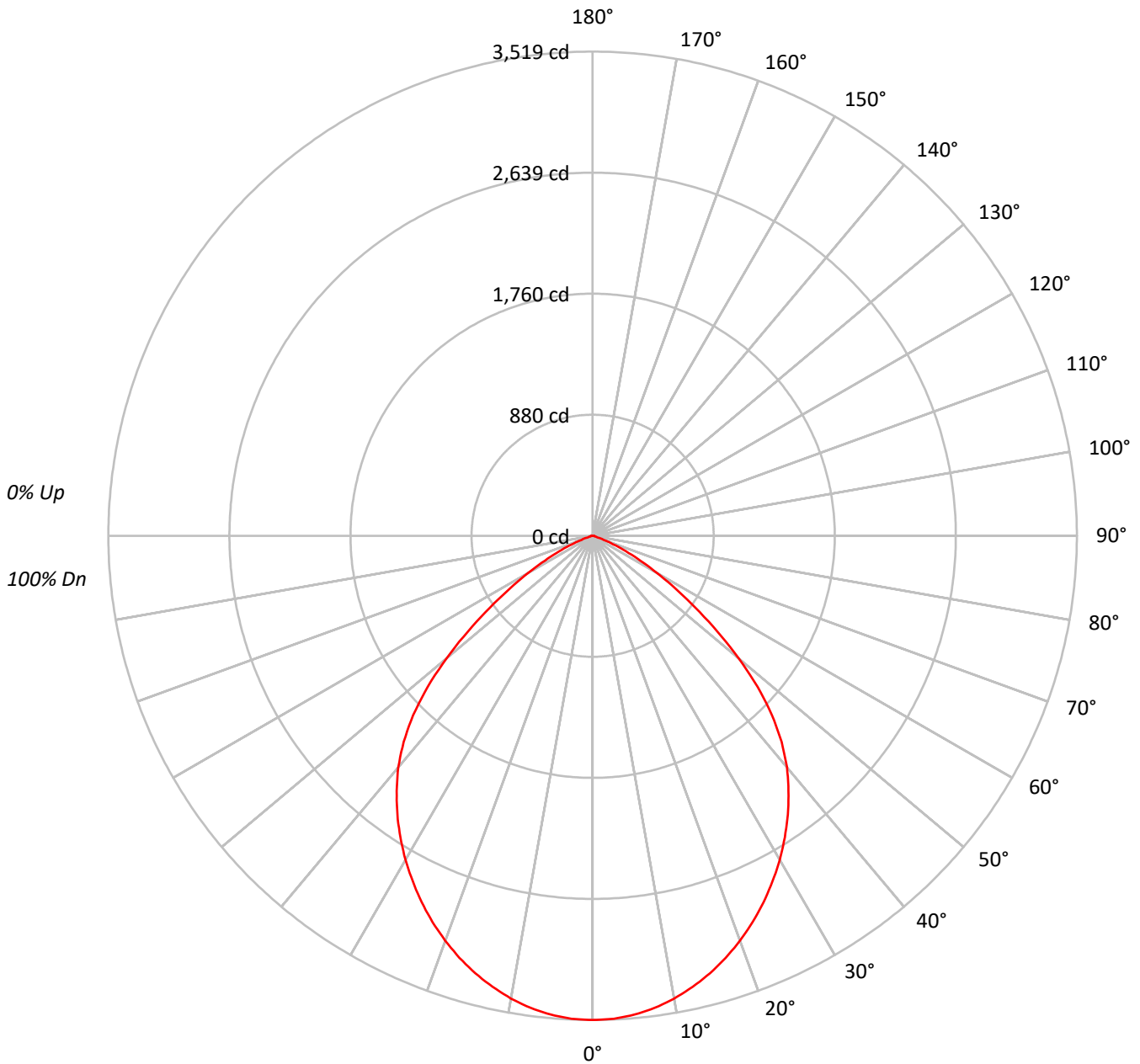
Lumens per Lamp: N/A
Luminaire Lumens: 6702.0 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 81.5
Input Voltage (V):
Input Current (Ain): 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°	339554
5°	338391
10°	334681
15°	328917
20°	321547
25°	312950
30°	303095
35°	291427
40°	276716
45°	251597
50°	207707
55°	152949
60°	103803
65°	60777
70°	24008
75°	5406
80°	7057
85°	12067



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.0	4.9
10°-20°	927.2	13.8
20°-30°	1352.4	20.2
30°-40°	1543.7	23.0
40°-50°	1403.4	20.9
50°-60°	827.7	12.3
60°-70°	277.6	4.1
70°-80°	29.0	0.4
80°-90°	10.1	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°	2610.6	39.0
0°-40°	4154.2	62.0
0°-60°	6385.3	95.3
0°-90°	6702.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6702.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3519	
5°	3494	331
15°	3293	927
25°	2940	1352
35°	2474	1544
45°	1844	1403
55°	909	828
65°	266	278
75°	14	29
85°	11	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3519.1
2.5°	3513.7
5°	3493.7
7.5°	3461.1
10°	3415.9
12.5°	3357.9
15°	3292.7
17.5°	3216.6
20°	3131.5
22.5°	3039.1
25°	2939.5
27.5°	2830.9
30°	2720.4
32.5°	2599.0
35°	2474.1
37.5°	2338.2
40°	2196.9
42.5°	2032.1
45°	1843.8
47.5°	1626.4
50°	1383.7
52.5°	1141.0
55°	909.2
57.5°	711.8
60°	537.9
62.5°	389.4
65°	266.2
67.5°	163.0
70°	85.1
72.5°	32.6
75°	14.5
77.5°	14.5
80°	12.7
82.5°	10.9
85°	10.9
87.5°	9.1
90°	0.0



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— 0°-180°







(END OF REPORT)