

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: P#

Luminaire Tested: **LD4C75D010 EX4C759027 4LBSQH**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207151)
Test Lab: INNOVATION CENTER
Issue Date: 2/9/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C75D010 EX4C759027 4LBSQH
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBSQ TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

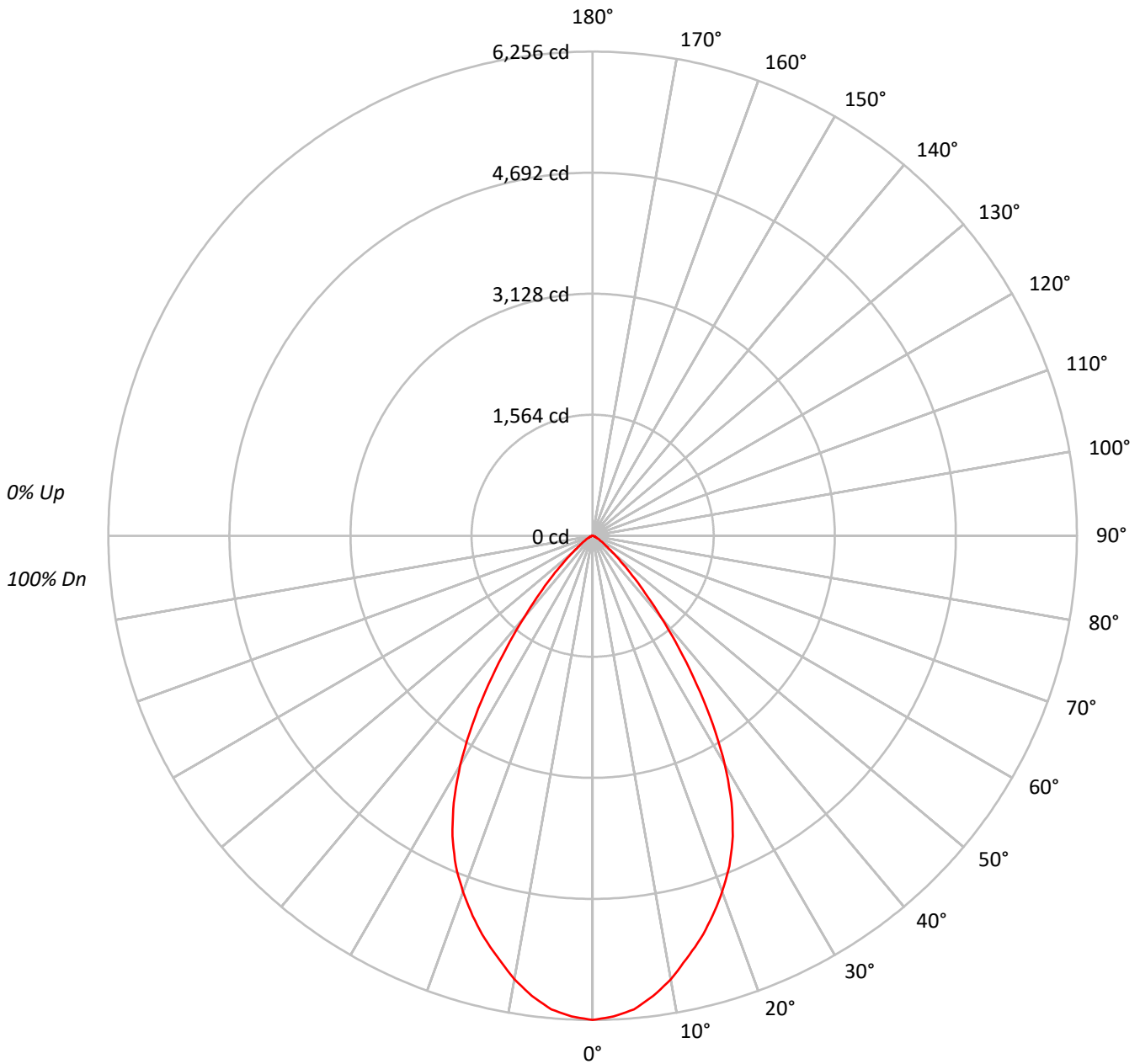
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6309.0 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
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			100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85			85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79			79
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73			73
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67			67
6	86	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62			62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58			58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54			54
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	52	50			50
10	69	59	53	49	68	59	53	49	58	52	49	57	52	48	56	52	48	47			47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	603615
5°	594850
10°	569993
15°	538361
20°	502522
25°	456176
30°	380864
35°	275914
40°	172725
45°	98726
50°	51473
55°	28850
60°	18391
65°	10868
70°	8068
75°	3542
80°	5279
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	575.6	9.1
10°-20°	1510.1	23.9
20°-30°	1940.8	30.8
30°-40°	1460.2	23.1
40°-50°	586.4	9.3
50°-60°	166.7	2.6
60°-70°	52.8	0.8
70°-80°	15.0	0.2
80°-90°	1.3	0.0
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°	4026.5	63.8
0°-40°	5486.7	87.0
0°-60°	6239.9	98.9
0°-90°	6309.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6309.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6256	
5°	6142	576
15°	5389	1510
25°	4285	1941
35°	2342	1460
45°	724	586
55°	172	167
65°	48	53
75°	10	15
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6255.8
2.5°	6217.7
5°	6141.5
7.5°	5998.6
10°	5817.6
12.5°	5598.9
15°	5389.4
17.5°	5151.2
20°	4894.0
22.5°	4618.2
25°	4284.8
27.5°	3884.7
30°	3418.4
32.5°	2894.5
35°	2342.4
37.5°	1828.1
40°	1371.3
42.5°	1009.3
45°	723.5
47.5°	495.3
50°	342.9
52.5°	238.1
55°	171.5
57.5°	123.8
60°	95.3
62.5°	66.7
65°	47.6
67.5°	38.1
70°	28.6
72.5°	19.1
75°	9.5
77.5°	9.5
80°	9.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)