

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: **LD4C90D010 EX4C909040 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: LD4C90D010 EX4C909040 4LBSQH
Description: 4 INCH 9000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBSQ TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

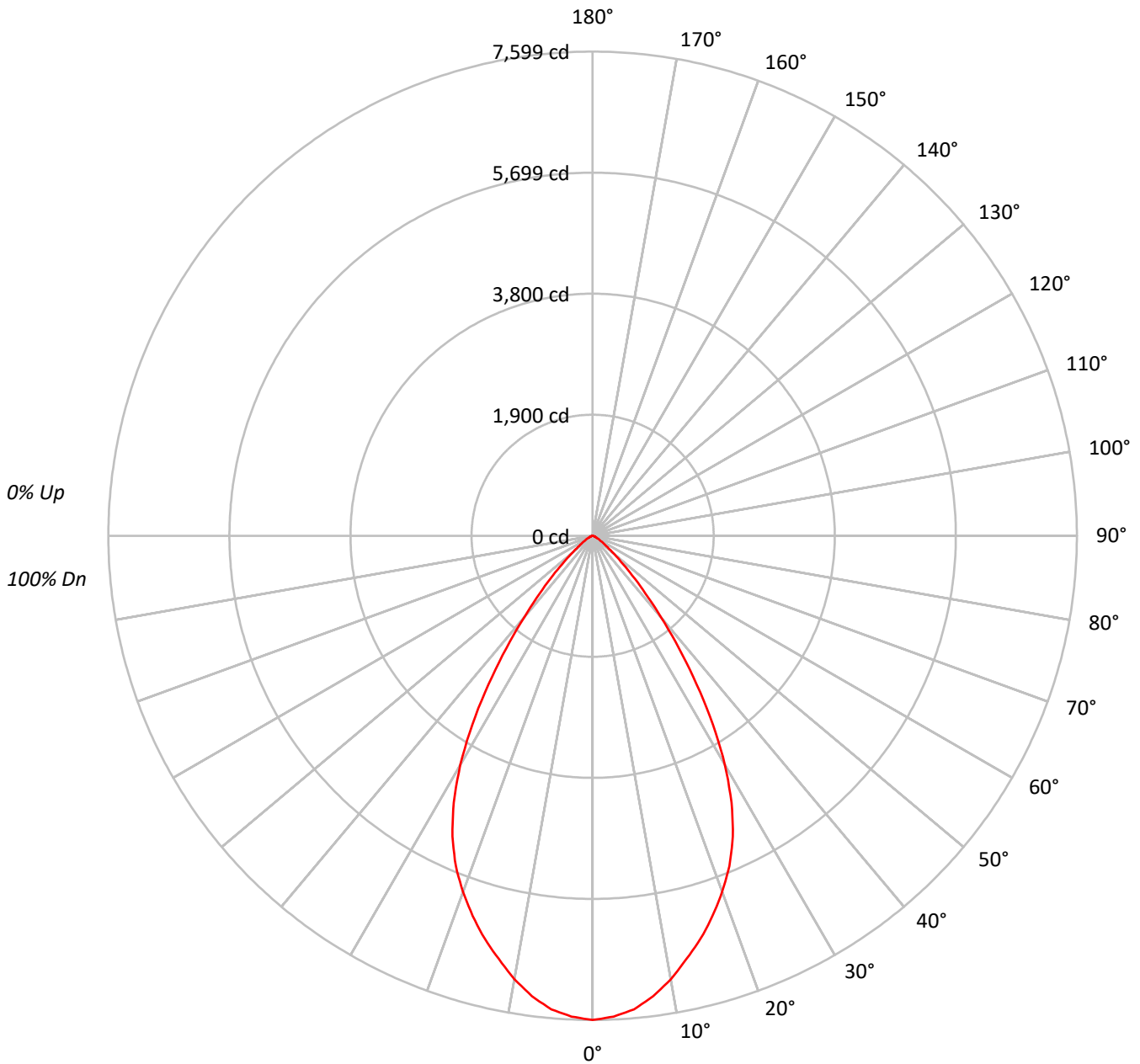
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7664.0 lumens
Efficiency: N/A
Efficacy: 78.9 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): 97.1
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									
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	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°	733248
5°	722605
10°	692406
15°	653977
20°	610451
25°	554154
30°	462665
35°	335175
40°	209820
45°	119931
50°	62536
55°	35041
60°	22328
65°	13219
70°	9789
75°	4325
80°	6446
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	699.3	9.1
10°-20°	1834.5	23.9
20°-30°	2357.6	30.8
30°-40°	1773.8	23.1
40°-50°	712.4	9.3
50°-60°	202.5	2.6
60°-70°	64.1	0.8
70°-80°	18.3	0.2
80°-90°	1.6	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°	4891.3	63.8
0°-40°	6665.1	87.0
0°-60°	7580.1	98.9
0°-90°	7664.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7664.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7599	
5°	7460	699
15°	6547	1834
25°	5205	2358
35°	2846	1774
45°	879	712
55°	208	203
65°	58	64
75°	12	18
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7599.3
2.5°	7553.0
5°	7460.5
7.5°	7286.9
10°	7067.0
12.5°	6801.4
15°	6546.8
17.5°	6257.6
20°	5945.1
22.5°	5610.1
25°	5205.1
27.5°	4719.1
30°	4152.6
32.5°	3516.2
35°	2845.5
37.5°	2220.7
40°	1665.8
42.5°	1226.1
45°	878.9
47.5°	601.7
50°	416.6
52.5°	289.3
55°	208.3
57.5°	150.4
60°	115.7
62.5°	81.0
65°	57.9
67.5°	46.3
70°	34.7
72.5°	23.1
75°	11.6
77.5°	11.6
80°	11.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)