

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: **LD4C80D010 EX4C809040 4LBSQH**

Issue Date: 2/9/2022

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: 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: LD4C80D010 EX4C809040 4LBSQH
Description: 4 INCH 8000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBSQ TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

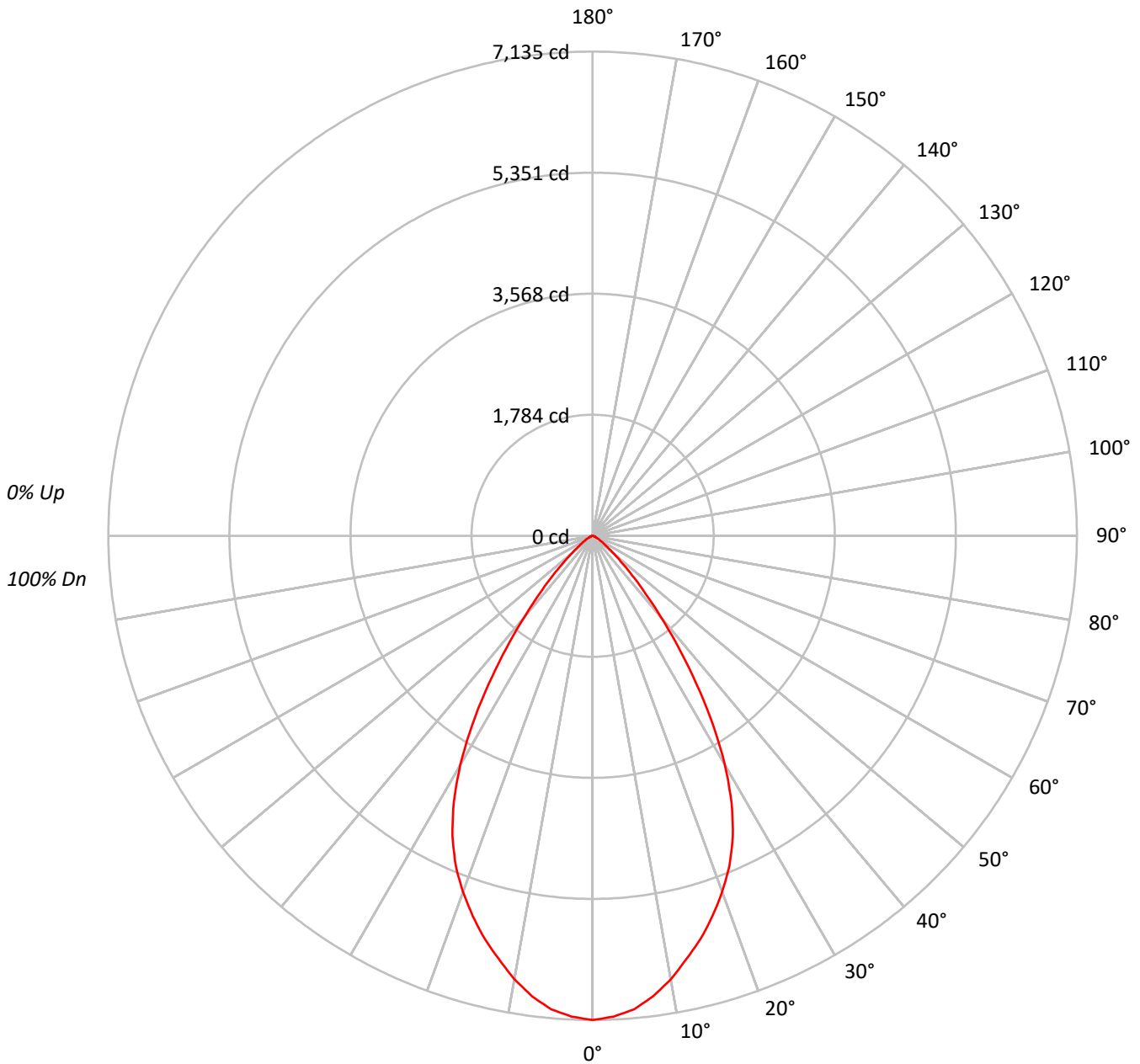
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7196.0 lumens
Efficiency: N/A
Efficacy: 80.4 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): 89.5
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									
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°	688477
5°	678477
10°	650129
15°	614050
20°	573177
25°	520309
30°	434410
35°	314715
40°	197010
45°	112603
50°	58708
55°	32904
60°	20957
65°	12397
70°	9197
75°	4064
80°	6057
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	656.6	9.1
10°-20°	1722.5	23.9
20°-30°	2213.6	30.8
30°-40°	1665.5	23.1
40°-50°	668.9	9.3
50°-60°	190.1	2.6
60°-70°	60.2	0.8
70°-80°	17.2	0.2
80°-90°	1.5	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°	4592.6	63.8
0°-40°	6258.1	87.0
0°-60°	7117.1	98.9
0°-90°	7196.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7196.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7135	
5°	7005	657
15°	6147	1722
25°	4887	2214
35°	2672	1665
45°	825	669
55°	196	190
65°	54	60
75°	11	17
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7135.3
2.5°	7091.8
5°	7004.9
7.5°	6841.9
10°	6635.5
12.5°	6386.1
15°	6147.1
17.5°	5875.4
20°	5582.1
22.5°	5267.5
25°	4887.2
27.5°	4430.9
30°	3899.0
32.5°	3301.4
35°	2671.8
37.5°	2085.1
40°	1564.1
42.5°	1151.2
45°	825.2
47.5°	565.0
50°	391.1
52.5°	271.6
55°	195.6
57.5°	141.2
60°	108.6
62.5°	76.1
65°	54.3
67.5°	43.5
70°	32.6
72.5°	21.7
75°	10.9
77.5°	10.9
80°	10.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)