

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



**Test Information**

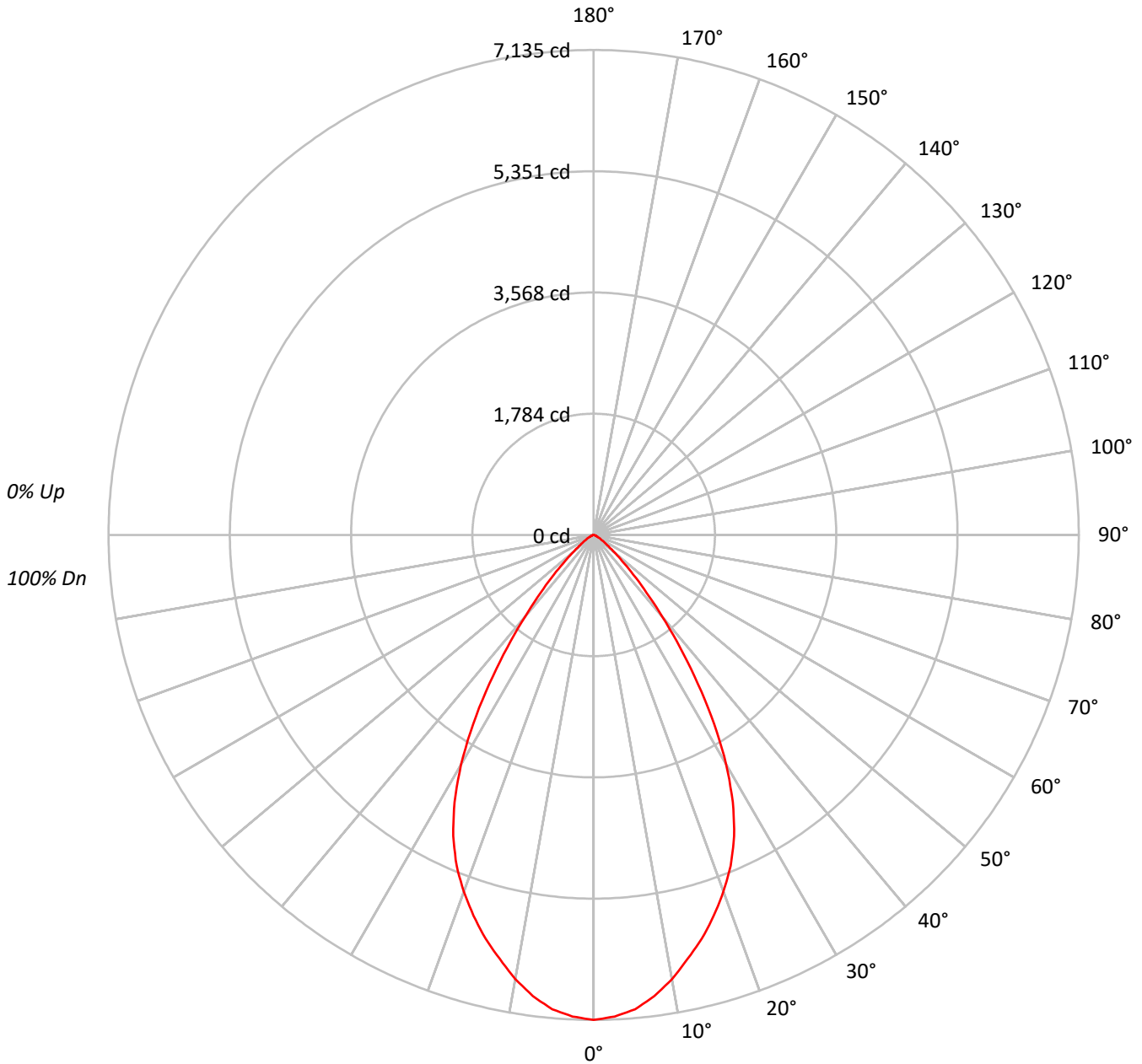
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207151)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/9/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD4C80D010 EX4C809040 4LBSQH  
Description: 4 INCH 8000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 4LBSQ TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

**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 (A<sub>in</sub>): 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85		
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79		
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73		
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67		
6	86	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62		
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58		
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54		
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	52	50		
10	69	59	53	49	68	59	53	49	58	52	49	57	52	48	56	52	48	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



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)