

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: P250382

Luminaire Tested: **LD8B120D010 ER8B120830 8LBN0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250382  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13948)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B120D010 ER8B120830 8LBN0B  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 3000 CCT WITH SPECULAR BLACK TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7002.0 lumens  
Efficiency: N/A  
Efficacy: 59.2 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.77  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

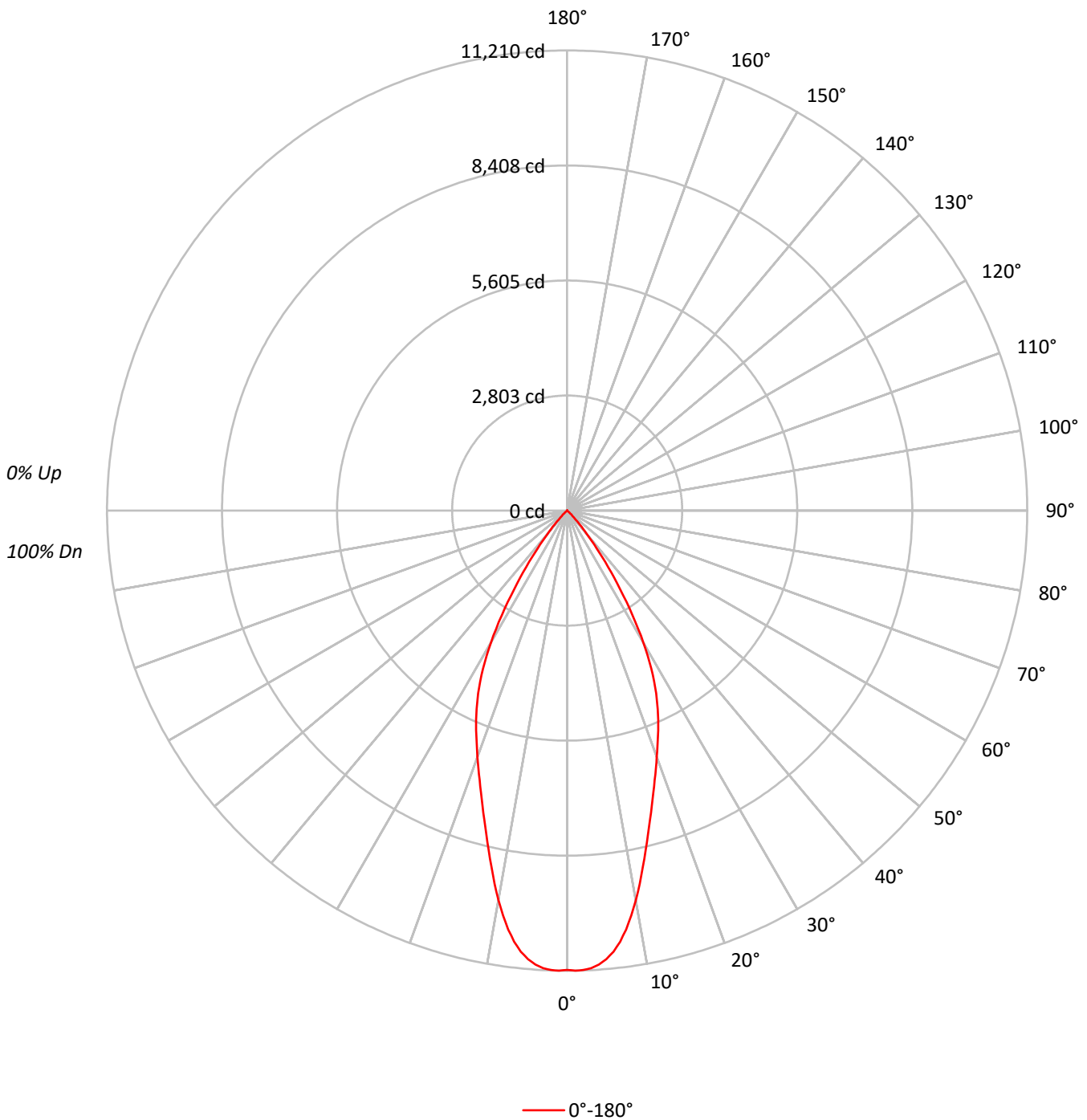
Input Watts (W): 118.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	111	109	107	112	109	107	105	105	104	102		101	100	99		98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	88		92	89	86		89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77		83	79	76		81	78	75	74
6	90	82	77	73	89	81	76	72	80	75	72		79	75	71		77	74	71	70
7	86	78	72	68	85	77	72	68	76	71	68		75	71	67		74	70	67	66
8	83	74	68	64	81	73	68	64	72	67	64		71	67	64		70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57		65	60	57		64	60	57	56

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	345012
5°	339498
10°	301638
15°	248826
20°	209559
25°	176752
30°	132343
35°	74897
40°	29615
45°	7950
50°	1526
55°	0
60°	222
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1004.4	14.3
10°-20°	2183.0	31.2
20°-30°	2343.6	33.5
30°-40°	1266.7	18.1
40°-50°	197.6	2.8
50°-60°	5.4	0.1
60°-70°	1.3	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	5531.0	79.0
0°-40°	6797.6	97.1
0°-60°	7000.7	100.0
0°-90°	7002.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7002.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11188	
5°	10968	###
15°	7794	2183
25°	5195	2344
35°	1990	1267
45°	182	198
55°	0	5
65°	0	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	11188.5
1°	11209.7
2°	11199.2
3°	11160.9
4°	11087.2
5°	10967.8
6°	10803.5
7°	10582.5
8°	10305.8
9°	9987.4
10°	9633.3
11°	9261.9
12°	8876.6
13°	8491.6
14°	8133.9
15°	7794.3
16°	7482.4
17°	7181.1
18°	6900.9
19°	6638.5
20°	6386.0
21°	6140.8
22°	5909.4
23°	5678.5
24°	5436.8
25°	5194.9
26°	4949.6
27°	4669.6
28°	4361.1
29°	4046.3
30°	3716.8
31°	3363.0
32°	3008.9
33°	2658.7
34°	2305.0
35°	1989.6
37.5°	1271.6
40°	735.7
42.5°	392.5
45°	182.3
47.5°	98.3
50°	31.8
52.5°	3.6
55°	0.0
57.5°	3.6



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	3.6
62.5°	0.0
65°	0.0
67.5°	3.6
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)