

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: P250700

Luminaire Tested: **LD8B200D010 ER8B200927 8LBN0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250700  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P131425)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B200D010 ER8B200927 8LBN0MW  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
97 CRI 2700 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15153.7 lumens  
Efficiency: N/A  
Efficacy: 67.9 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.85  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

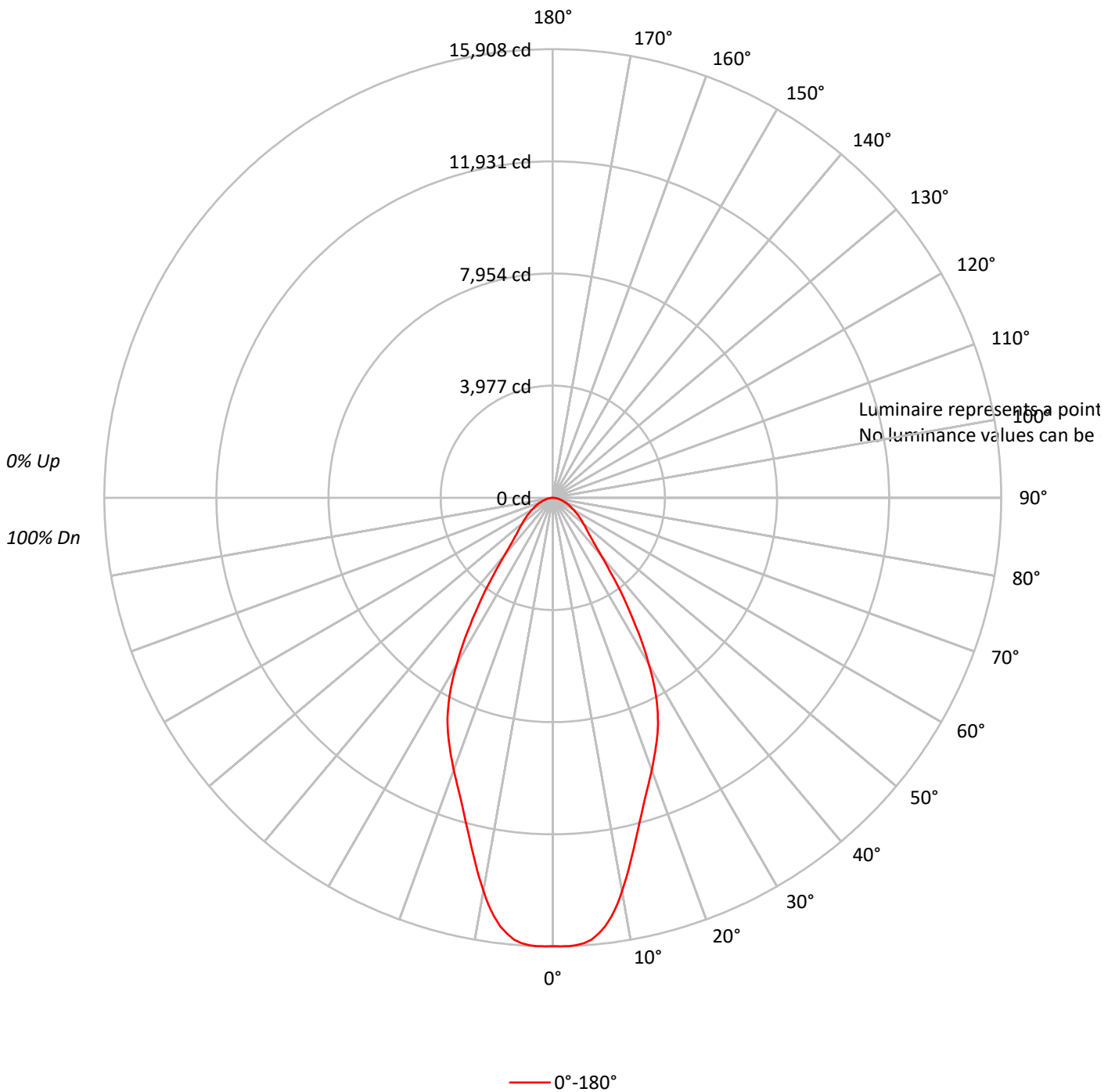
Input Watts (W): 223.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				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	112	109	106	103	109	106	104	101	102	100	98	98	97	95	95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67
5	87	78	71	66	85	77	70	65	75	69	65	73	68	64	71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57
7	78	67	60	56	76	67	60	55	65	59	55	64	59	55	63	58	54	53
8	74	63	56	52	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1451.3	9.6
10°-20°	3348.7	22.1
20°-30°	3991.1	26.3
30°-40°	2817.2	18.6
40°-50°	1454.9	9.6
50°-60°	998.4	6.6
60°-70°	649.0	4.3
70°-80°	339.8	2.2
80°-90°	103.3	0.7
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°	8791.1	58.0
0°-40°	11608.3	76.6
0°-60°	14061.6	92.8
0°-90°	15153.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15153.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	15898	
5°	15724	###
15°	11909	3349
25°	8834	3991
35°	4478	2817
45°	1818	1455
55°	1107	998
65°	653	649
75°	314	340
85°	87	103
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	15898.3
1°	15908.1
2°	15908.1
3°	15883.8
4°	15830.7
5°	15724.1
6°	15535.7
7°	15303.6
8°	14984.3
9°	14597.7
10°	14162.5
11°	13703.1
12°	13224.3
13°	12765.0
14°	12320.2
15°	11909.2
16°	11527.3
17°	11174.3
18°	10855.1
19°	10555.3
20°	10265.2
21°	9980.0
22°	9699.5
23°	9419.1
24°	9133.9
25°	8834.1
26°	8495.4
27°	8127.9
28°	7726.7
29°	7301.2
30°	6817.6
31°	6348.7
32°	5869.9
33°	5376.7
34°	4922.2
35°	4477.5
37.5°	3447.6
40°	2654.7
42.5°	2137.3
45°	1818.0
47.5°	1590.8
50°	1412.0
52.5°	1257.2
55°	1107.3
57.5°	972.0



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	860.6
62.5°	749.5
65°	652.7
67.5°	565.6
70°	454.6
72.5°	391.7
75°	314.3
77.5°	256.2
80°	198.2
82.5°	145.0
85°	87.1
87.5°	48.3
90°	0.0

(END OF REPORT)