

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: P250553

Luminaire Tested: **LD8B200D010 ER8B200830 8LBM0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250553  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13928)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B200D010 ER8B200830 8LBM0B  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 3000 CCT WITH SPECULAR BLACK TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13085.9 lumens  
Efficiency: N/A  
Efficacy: 58.6 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.87  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

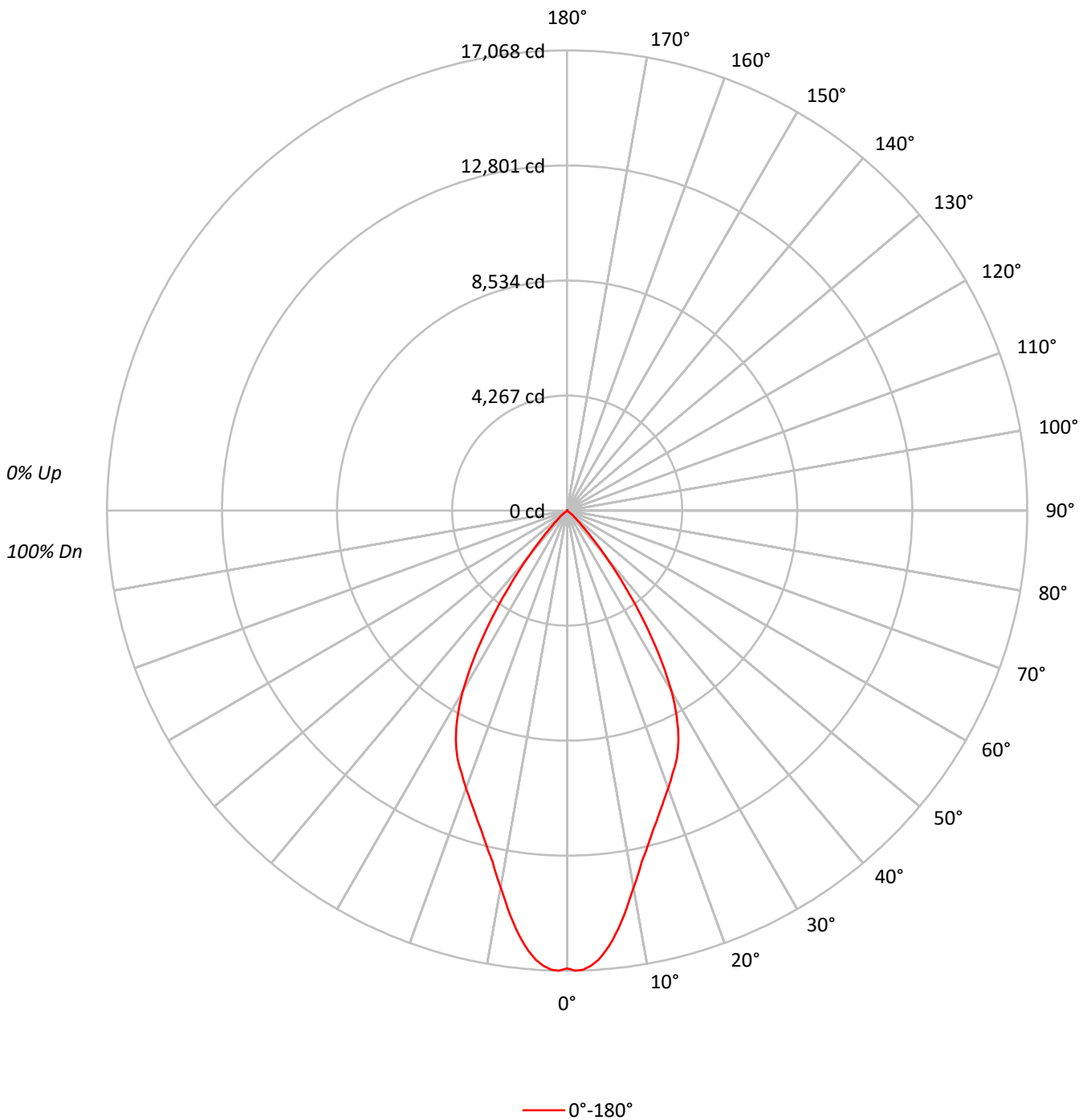
Input Watts (W): 223.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93	91	89	87
3	103	96	92	88	101	95	91	87	92	89	86		90	87	84		88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79		85	81	78		83	80	77	76
5	93	85	79	75	91	84	78	74	82	77	74		80	76	73		79	75	72	71
6	88	79	74	69	87	79	73	69	77	72	69		76	71	68		74	71	68	66
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		70	66	63	62
8	80	70	64	60	79	70	64	60	69	64	60		68	63	60		67	63	60	58
9	76	66	61	57	75	66	60	57	65	60	56		64	60	56		63	59	56	55
10	72	63	57	53	71	62	57	53	62	57	53		61	56	53		60	56	53	51

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

	0°
0°	523585
5°	507576
10°	444537
15°	392462
20°	359630
25°	331136
30°	275610
35°	183064
40°	89094
45°	32266
50°	9710
55°	683
60°	0
65°	460
70°	0
75°	0
80°	1119
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1491.4	11.4
10°-20°	3463.5	26.5
20°-30°	4394.0	33.6
30°-40°	3010.2	23.0
40°-50°	686.0	5.2
50°-60°	34.2	0.3
60°-70°	1.6	0.0
70°-80°	2.5	0.0
80°-90°	2.6	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°	9348.9	71.4
0°-40°	12359.1	94.4
0°-60°	13079.3	99.9
0°-90°	13085.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13085.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	16980	
5°	16398	###
15°	12294	3464
25°	9732	4394
35°	4863	3010
45°	740	686
55°	13	34
65°	6	2
75°	0	2
85°	0	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	16979.5
1°	17068.0
2°	17036.3
3°	16909.9
4°	16694.8
5°	16397.7
6°	16037.2
7°	15619.9
8°	15158.2
9°	14664.9
10°	14197.0
11°	13767.0
12°	13305.4
13°	12970.2
14°	12616.0
15°	12293.6
16°	12002.7
17°	11718.0
18°	11452.5
19°	11193.1
20°	10959.2
21°	10718.9
22°	10472.2
23°	10257.3
24°	10017.0
25°	9732.4
26°	9416.2
27°	9049.4
28°	8657.3
29°	8221.0
30°	7740.4
31°	7196.5
32°	6633.7
33°	6045.6
34°	5444.8
35°	4863.0
37.5°	3433.8
40°	2213.3
42.5°	1302.7
45°	739.9
47.5°	398.4
50°	202.4
52.5°	37.9
55°	12.7
57.5°	6.3



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	0.0
62.5°	0.0
65°	6.3
67.5°	0.0
70°	0.0
72.5°	6.3
75°	0.0
77.5°	0.0
80°	6.3
82.5°	0.0
85°	0.0
87.5°	6.3
90°	0.0

(END OF REPORT)