

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: P250707

Luminaire Tested: **LD8B200D010 ER8B200930 8LBN0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250707  
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 ER8B200930 8LBN0MW  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
97 CRI 3000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15975.4 lumens  
Efficiency: N/A  
Efficacy: 71.5 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

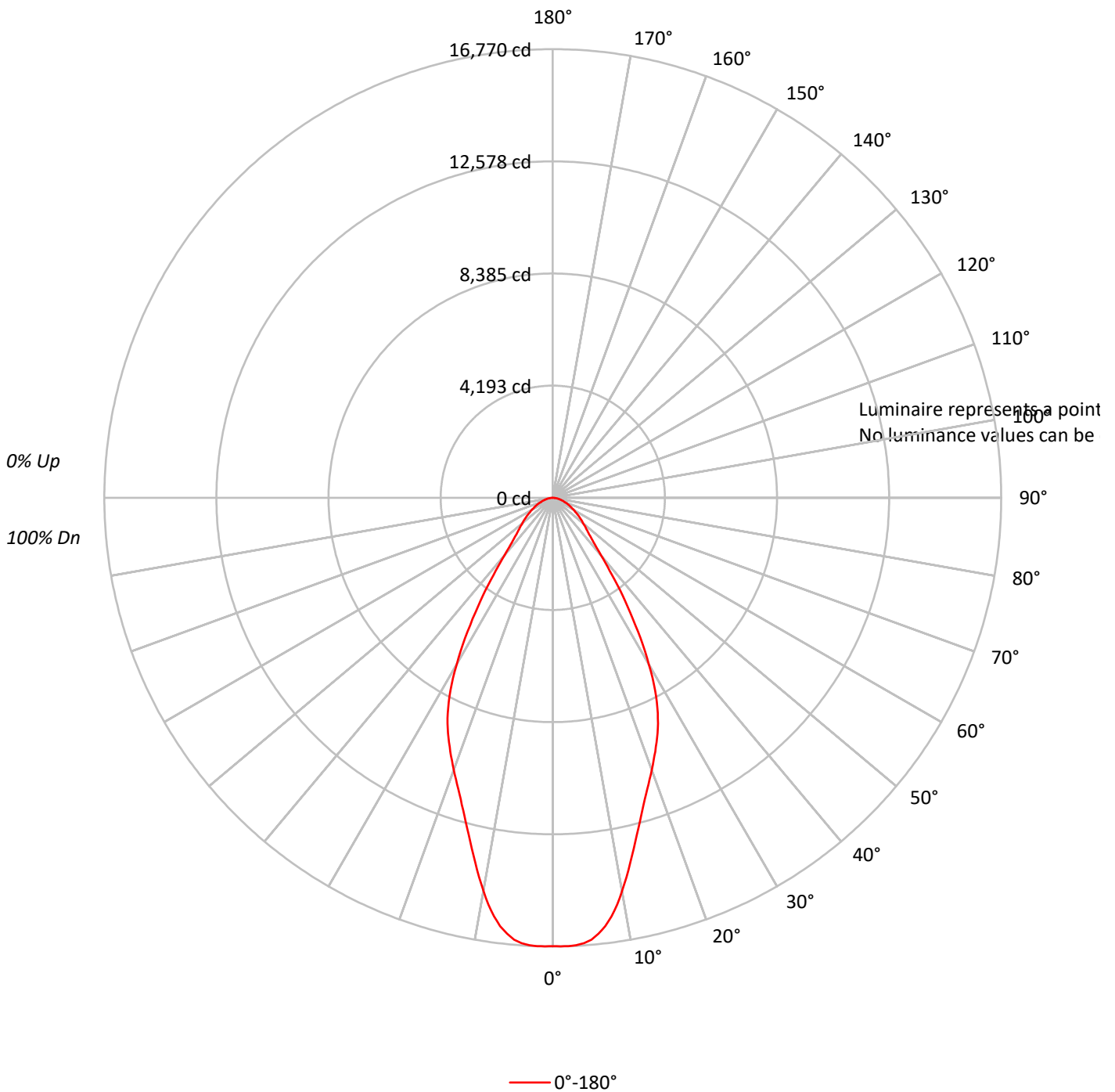
Input Watts (W): 223.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	1530.0	9.6
10°-20°	3530.2	22.1
20°-30°	4207.5	26.3
30°-40°	2970.0	18.6
40°-50°	1533.8	9.6
50°-60°	1052.5	6.6
60°-70°	684.3	4.3
70°-80°	358.2	2.2
80°-90°	108.9	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°	9267.7	58.0
0°-40°	12237.7	76.6
0°-60°	14824.0	92.8
0°-90°	15975.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15975.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	16760	
5°	16577	###
15°	12555	3530
25°	9313	4207
35°	4720	2970
45°	1917	1534
55°	1167	1053
65°	688	684
75°	331	358
85°	92	109
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	16760.3
1°	16770.5
2°	16770.5
3°	16744.9
4°	16689.0
5°	16576.7
6°	16378.0
7°	16133.3
8°	15796.8
9°	15389.2
10°	14930.4
11°	14446.1
12°	13941.3
13°	13457.2
14°	12988.2
15°	12555.0
16°	12152.3
17°	11780.1
18°	11443.6
19°	11127.6
20°	10821.8
21°	10521.0
22°	10225.4
23°	9929.8
24°	9629.1
25°	9313.0
26°	8956.0
27°	8568.6
28°	8145.6
29°	7697.1
30°	7187.3
31°	6692.9
32°	6188.1
33°	5668.2
34°	5189.1
35°	4720.3
37.5°	3634.5
40°	2798.6
42.5°	2253.1
45°	1916.6
47.5°	1677.0
50°	1488.6
52.5°	1325.4
55°	1167.3
57.5°	1024.7



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	907.3
62.5°	790.2
65°	688.2
67.5°	596.4
70°	479.2
72.5°	413.0
75°	331.4
77.5°	270.0
80°	209.0
82.5°	152.9
85°	91.8
87.5°	50.9
90°	0.0

(END OF REPORT)