

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: P249860

Luminaire Tested: **LD8B200D010 ER8B200927 8LBN0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249860  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13959)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B200D010 ER8B200927 8LBN0H  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14856.8 lumens  
Efficiency: N/A  
Efficacy: 66.5 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.81  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

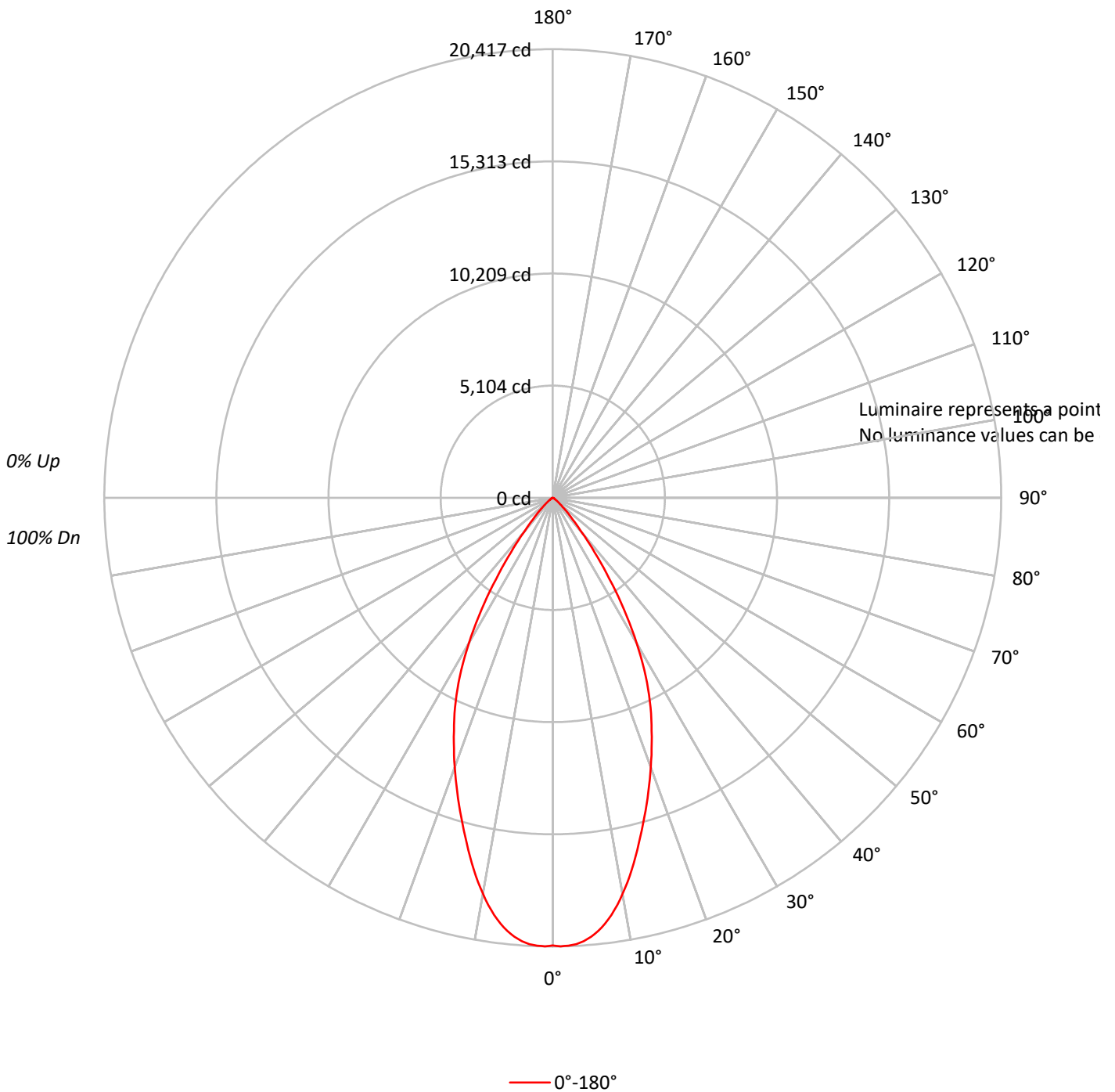
Input Watts (W): 223.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76
5	93	85	79	75	92	84	79	75	82	78	74	81	77	74	79	76	73	71
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67
7	84	75	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	63
8	81	71	65	62	79	71	65	61	70	65	61	69	64	61	68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58	65	61	57	64	60	57	56
10	73	64	58	55	72	64	58	55	63	58	54	62	57	54	61	57	54	53

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1858.2	12.5
10°-20°	4362.4	29.4
20°-30°	4767.9	32.1
30°-40°	2837.3	19.1
40°-50°	778.2	5.2
50°-60°	176.3	1.2
60°-70°	54.5	0.4
70°-80°	16.5	0.1
80°-90°	5.5	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°	10988.4	74.0
0°-40°	13825.7	93.1
0°-60°	14780.3	99.5
0°-90°	14856.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14856.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	20377	
5°	20050	###
15°	15656	4362
25°	10533	4768
35°	4490	2837
45°	910	778
55°	176	176
65°	55	54
75°	15	17
85°	5	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	20377.0
1°	20417.2
2°	20392.1
3°	20341.8
4°	20226.1
5°	20050.2
6°	19824.0
7°	19522.4
8°	19170.3
9°	18763.1
10°	18305.7
11°	17818.0
12°	17295.1
13°	16757.1
14°	16199.0
15°	15656.1
16°	15123.2
17°	14600.2
18°	14077.4
19°	13554.4
20°	13046.7
22.5°	11769.6
25°	10532.9
27.5°	9170.4
30°	7657.1
32.5°	6033.2
35°	4489.7
37.5°	3122.2
40°	2071.4
42.5°	1357.4
45°	910.0
47.5°	603.3
50°	402.2
52.5°	246.4
55°	176.0
57.5°	125.7
60°	95.5
62.5°	70.4
65°	55.4
67.5°	35.2
70°	25.1
72.5°	20.1
75°	15.1
77.5°	10.0
80°	10.0



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**CANDELA DISTRIBUTION (continued):**

	0°
82.5°	5.1
85°	5.1
87.5°	5.1
90°	0.0

(END OF REPORT)