

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: P249867

Luminaire Tested: **LD8B200D010 ER8B200930 8LBN0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249867  
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 ER8B200930 8LBN0H  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15662.6 lumens  
Efficiency: N/A  
Efficacy: 70.1 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

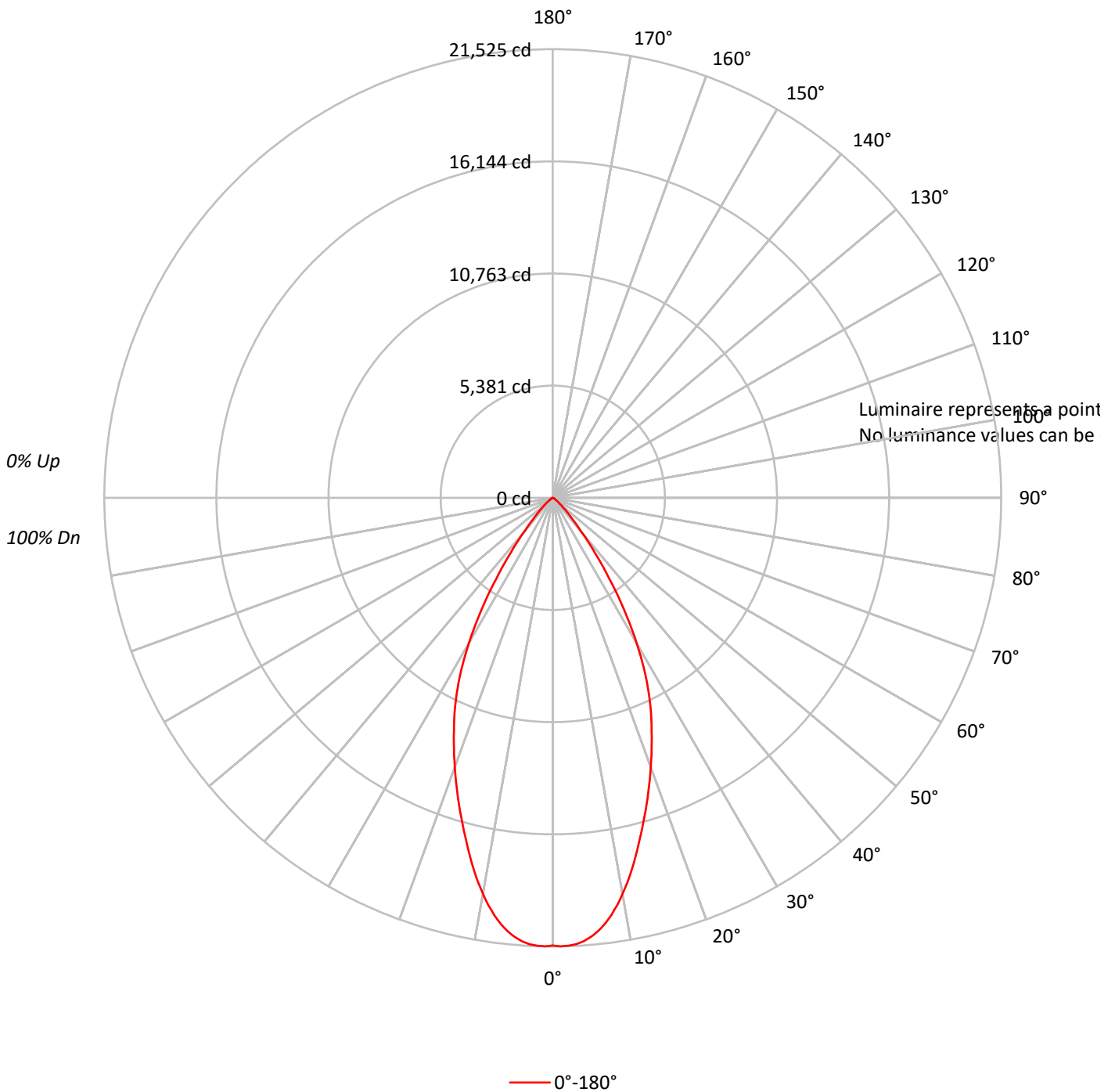
Input Watts (W): 223.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1958.9	12.5
10°-20°	4599.0	29.4
20°-30°	5026.5	32.1
30°-40°	2991.2	19.1
40°-50°	820.5	5.2
50°-60°	185.9	1.2
60°-70°	57.4	0.4
70°-80°	17.5	0.1
80°-90°	5.8	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°	11584.4	74.0
0°-40°	14575.6	93.1
0°-60°	15582.0	99.5
0°-90°	15662.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15662.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	21482	
5°	21138	###
15°	16505	4599
25°	11104	5026
35°	4733	2991
45°	959	820
55°	186	186
65°	58	57
75°	16	17
85°	5	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	21482.3
1°	21524.7
2°	21498.2
3°	21445.2
4°	21323.3
5°	21137.8
6°	20899.3
7°	20581.2
8°	20210.2
9°	19780.8
10°	19298.6
11°	18784.4
12°	18233.2
13°	17666.1
14°	17077.7
15°	16505.3
16°	15943.4
17°	15392.2
18°	14840.9
19°	14289.7
20°	13754.4
22.5°	12408.1
25°	11104.2
27.5°	9667.8
30°	8072.4
32.5°	6360.4
35°	4733.2
37.5°	3291.5
40°	2183.7
42.5°	1431.1
45°	959.4
47.5°	636.1
50°	424.1
52.5°	259.7
55°	185.5
57.5°	132.5
60°	100.7
62.5°	74.2
65°	58.3
67.5°	37.1
70°	26.5
72.5°	21.2
75°	15.9
77.5°	10.6
80°	10.6



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**CANDELA DISTRIBUTION (continued):**

	0°
82.5°	5.3
85°	5.3
87.5°	5.3
90°	0.0

(END OF REPORT)