

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: P249972

Luminaire Tested: **LD8B200D010 ER8B200835 8LBN0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249972  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13951)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B200D010 ER8B200835 8LBN0WMH  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 3500 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18476.0 lumens  
Efficiency: N/A  
Efficacy: 82.7 lumens/watt  
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.79  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

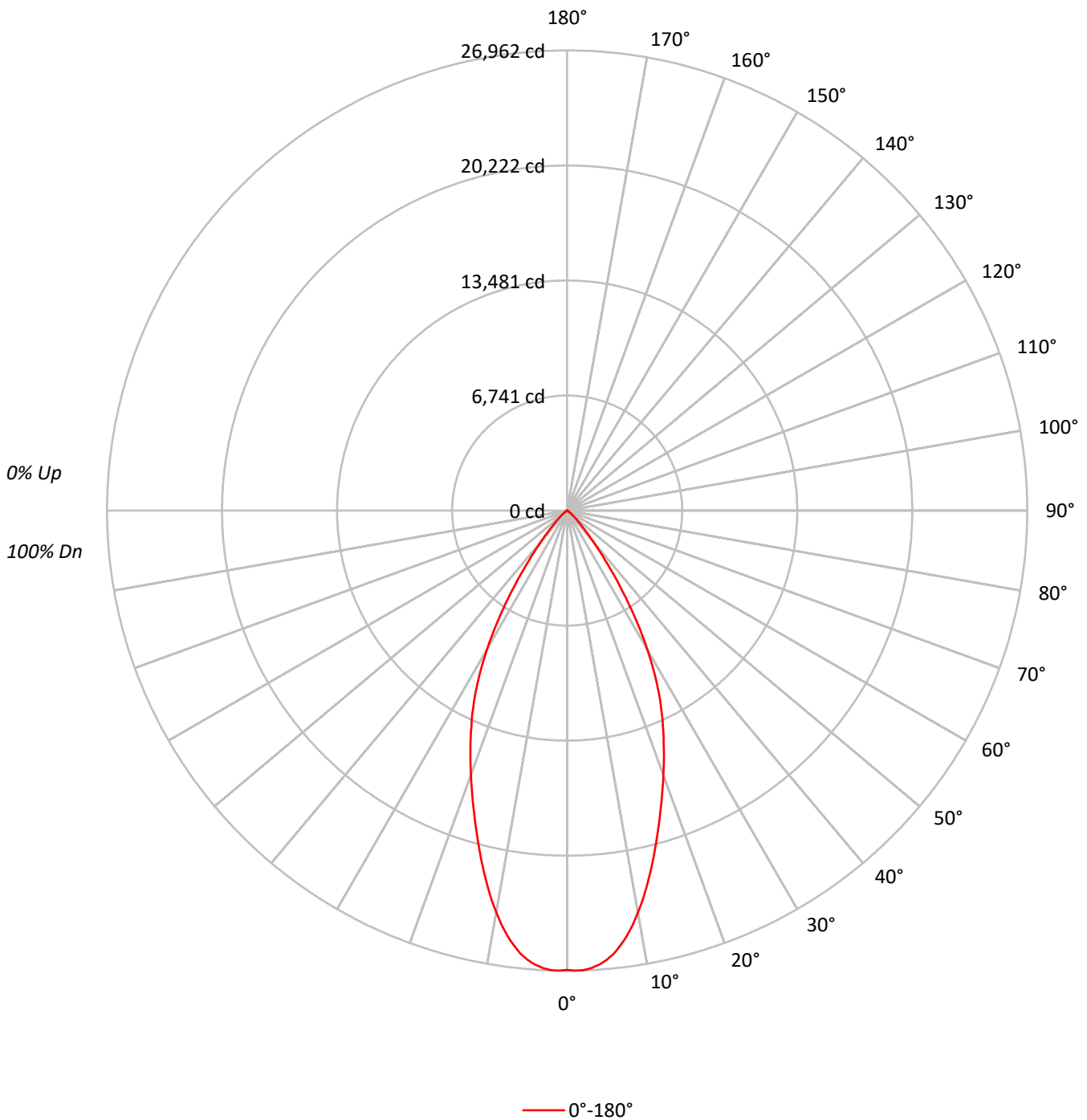
Input Watts (W): 223.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	99	96	99	96	93	96	94	91	93	91	90	88
3	103	97	92	89	101	96	91	88	93	89	86	91	88	85	89	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	79	77
5	94	86	80	76	92	85	80	76	83	78	75	81	77	74	80	76	74	72
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68
7	85	76	71	67	84	76	70	66	74	70	66	73	69	66	72	68	65	64
8	81	72	66	63	80	72	66	62	71	66	62	70	65	62	69	65	62	60
9	78	68	63	59	77	68	63	59	67	62	59	66	62	58	65	61	58	57
10	74	65	59	56	73	65	59	56	64	59	56	63	59	55	62	58	55	54

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

	0°
0°	829827
5°	818269
10°	748601
15°	642734
20°	541249
25°	447192
30°	335429
35°	199943
40°	95261
45°	41498
50°	18820
55°	8290
60°	4755
65°	2824
70°	2903
75°	0
80°	1137
85°	4564



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2442.5	13.2
10°-20°	5603.9	30.3
20°-30°	5953.5	32.2
30°-40°	3396.8	18.4
40°-50°	842.2	4.6
50°-60°	165.6	0.9
60°-70°	50.0	0.3
70°-80°	11.8	0.1
80°-90°	9.6	0.1
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°	13999.9	75.8
0°-40°	17396.7	94.2
0°-60°	18404.6	99.6
0°-90°	18476.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18476.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	26911	
5°	26435	###
15°	20133	5604
25°	13143	5954
35°	5311	3397
45°	952	842
55°	154	166
65°	39	50
75°	0	12
85°	13	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	26910.7
1°	26962.3
2°	26943.0
3°	26846.5
4°	26679.4
5°	26434.9
6°	26113.6
7°	25669.7
8°	25161.7
9°	24563.9
10°	23907.8
11°	23213.5
12°	22467.4
13°	21708.7
14°	20930.6
15°	20133.2
16°	19380.9
17°	18622.2
18°	17908.3
19°	17181.8
20°	16493.8
22.5°	14789.6
25°	13143.4
27.5°	11375.3
30°	9420.4
32.5°	7324.0
35°	5311.4
37.5°	3658.8
40°	2366.5
42.5°	1498.4
45°	951.6
47.5°	623.9
50°	392.3
52.5°	238.1
55°	154.2
57.5°	122.3
60°	77.1
62.5°	70.7
65°	38.7
67.5°	38.7
70°	32.2
72.5°	19.3
75°	0.0
77.5°	6.4
80°	6.4



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**CANDELA DISTRIBUTION (continued):**

	0°
82.5°	12.9
85°	12.9
87.5°	6.4
90°	0.0

(END OF REPORT)