

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: P250007

Luminaire Tested: **LD8B200D010 ER8B200935 8LBN0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250007  
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 ER8B200935 8LBN0WMH  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 3500 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15756.0 lumens  
Efficiency: N/A  
Efficacy: 70.6 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

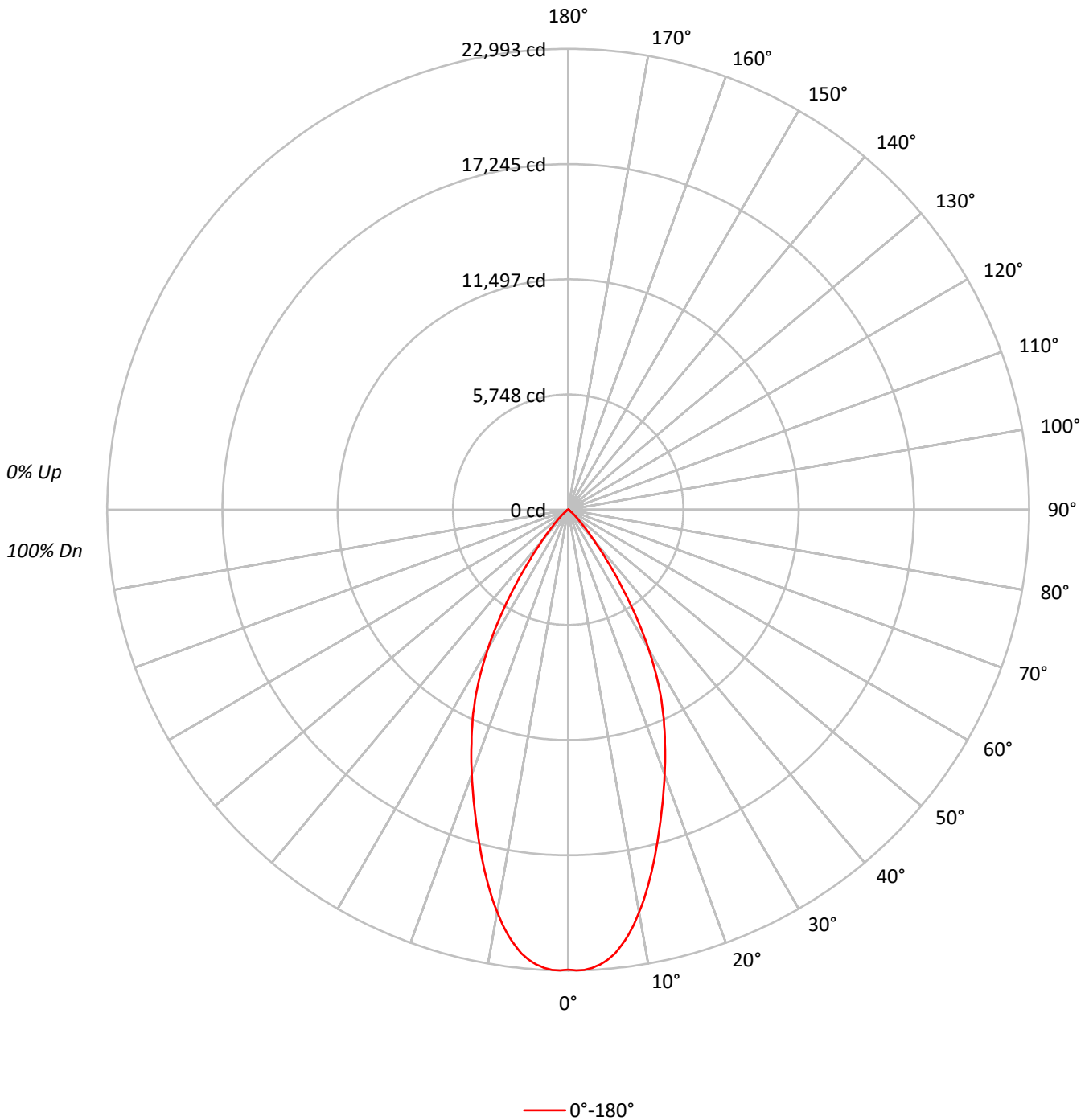
Input Watts (W): 223.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P250007

CATALOG NUMBER: LD8B200D010 ER8B200935 8LBN0WMH

### Luminous Intensity Polar Plot





TEST NUMBER: P250007

CATALOG NUMBER: LD8B200D010 ER8B200935 8LBN0WMH

**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°	707663
5°	697805
10°	638392
15°	548111
20°	461567
25°	381359
30°	286050
35°	170506
40°	81236
45°	35389
50°	16047
55°	7070
60°	4058
65°	2408
70°	2479
75°	0
80°	977
85°	3892



TEST NUMBER: P250007

CATALOG NUMBER: LD8B200D010 ER8B200935 8LBN0WMH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2082.9	13.2
10°-20°	4778.9	30.3
20°-30°	5077.1	32.2
30°-40°	2896.7	18.4
40°-50°	718.2	4.6
50°-60°	141.2	0.9
60°-70°	42.6	0.3
70°-80°	10.1	0.1
80°-90°	8.2	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°	11938.9	75.8
0°-40°	14835.6	94.2
0°-60°	15695.1	99.6
0°-90°	15756.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15756.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	22949	
5°	22543	###
15°	17169	4779
25°	11208	5077
35°	4529	2897
45°	812	718
55°	132	141
65°	33	43
75°	0	10
85°	11	8
90°	0	



TEST NUMBER: P250007

CATALOG NUMBER: LD8B200D010 ER8B200935 8LBN0WMH

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	22949.0
1°	22993.0
2°	22976.5
3°	22894.2
4°	22751.7
5°	22543.2
6°	22269.2
7°	21890.7
8°	21457.4
9°	20947.6
10°	20388.1
11°	19796.1
12°	19159.8
13°	18512.8
14°	17849.3
15°	17169.2
16°	16527.7
17°	15880.7
18°	15271.9
19°	14652.4
20°	14065.6
22.5°	12612.3
25°	11208.5
27.5°	9700.7
30°	8033.6
32.5°	6245.8
35°	4529.4
37.5°	3120.1
40°	2018.1
42.5°	1277.8
45°	811.5
47.5°	532.0
50°	334.5
52.5°	203.0
55°	131.5
57.5°	104.3
60°	65.8
62.5°	60.3
65°	33.0
67.5°	33.0
70°	27.5
72.5°	16.5
75°	0.0
77.5°	5.5
80°	5.5



TEST NUMBER: P250007

CATALOG NUMBER: LD8B200D010 ER8B200935 8LBN0WMH

**CANDELA DISTRIBUTION (continued):**

	0°
82.5°	11.0
85°	11.0
87.5°	5.5
90°	0.0

(END OF REPORT)