

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: P249888

Luminaire Tested: **LD8B200D010 ER8B200835 8LBM0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249888  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13954)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B200D010 ER8B200835 8LBM0H  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20982.0 lumens  
Efficiency: N/A  
Efficacy: 94.0 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.93  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

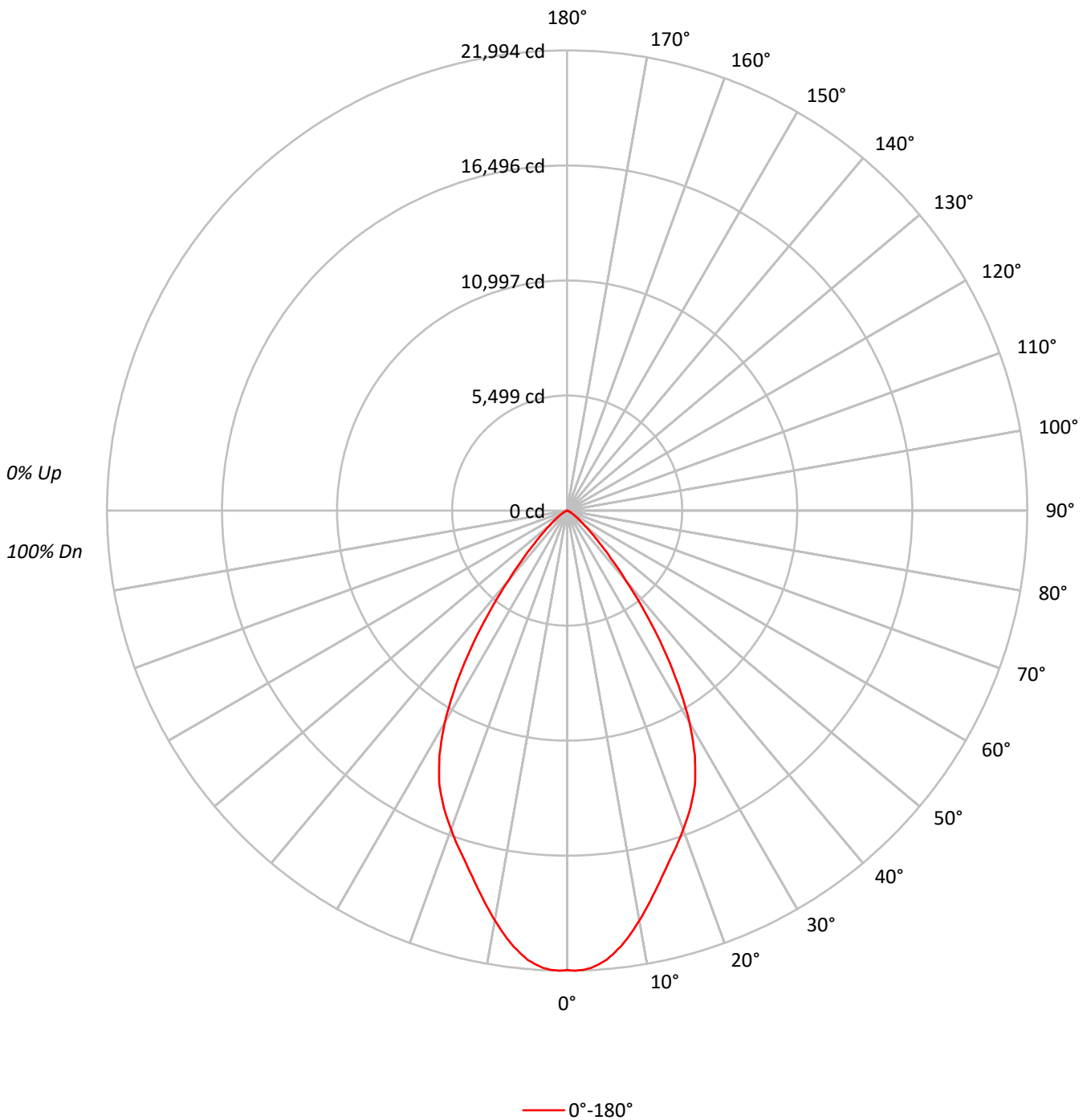
Input Watts (W): 223.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P249888

CATALOG NUMBER: LD8B200D010 ER8B200835 8LBM0H

### Luminous Intensity Polar Plot





TEST NUMBER: P249888

CATALOG NUMBER: LD8B200D010 ER8B200835 8LBM0H

**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	113	110	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86
3	101	95	90	85	99	93	89	85	91	87	83	88	85	82	86	83	81	79
4	96	88	82	78	94	87	82	77	85	80	76	83	79	76	81	77	75	73
5	91	82	76	71	89	81	75	71	79	74	70	78	73	70	76	72	69	68
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63
7	81	72	65	61	80	71	65	61	70	64	60	68	64	60	67	63	60	58
8	77	67	61	57	76	67	61	56	65	60	56	64	60	56	63	59	56	54
9	73	63	57	53	72	63	57	53	62	56	53	61	56	52	60	55	52	51
10	70	60	53	49	69	59	53	49	58	53	49	57	53	49	57	52	49	48

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

	0°
0°	677209
5°	667237
10°	622702
15°	571576
20°	532343
25°	491835
30°	417083
35°	300043
40°	176755
45°	94457
50°	49287
55°	27795
60°	15338
65°	9070
70°	4129
75°	2335
80°	1154
85°	0



TEST NUMBER: P249888

CATALOG NUMBER: LD8B200D010 ER8B200835 8LBM0H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2002.1	9.5
10°-20°	5037.4	24.0
20°-30°	6539.6	31.2
30°-40°	4936.0	23.5
40°-50°	1806.1	8.6
50°-60°	504.9	2.4
60°-70°	132.7	0.6
70°-80°	22.3	0.1
80°-90°	0.9	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°	13579.1	64.7
0°-40°	18515.1	88.2
0°-60°	20826.1	99.3
0°-90°	20982.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20982.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	21961	
5°	21556	###
15°	17904	5037
25°	14456	6540
35°	7970	4936
45°	2166	1806
55°	517	505
65°	124	133
75°	20	22
85°	0	1
90°	0	



TEST NUMBER: P249888

CATALOG NUMBER: LD8B200D010 ER8B200835 8LBM0H

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	21961.4
1°	21994.1
2°	21968.0
3°	21882.9
4°	21738.9
5°	21555.7
6°	21287.4
7°	20992.9
8°	20652.6
9°	20279.6
10°	19887.0
11°	19494.4
12°	19088.6
13°	18676.4
14°	18283.7
15°	17904.2
16°	17544.3
17°	17197.4
18°	16883.3
19°	16556.1
20°	16222.4
22.5°	15391.3
25°	14455.5
27.5°	13218.7
30°	11713.6
32.5°	9901.0
35°	7970.5
37.5°	6085.9
40°	4391.0
42.5°	3108.4
45°	2166.0
47.5°	1524.7
50°	1027.4
52.5°	752.6
55°	517.0
57.5°	373.0
60°	248.7
62.5°	183.2
65°	124.3
67.5°	85.1
70°	45.8
72.5°	32.7
75°	19.6
77.5°	6.5
80°	6.5



TEST NUMBER: P249888

CATALOG NUMBER: LD8B200D010 ER8B200835 8LBM0H

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)