

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: P250112

Luminaire Tested: **LD8B200D010 ER8B200927 8LBNOWH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250112
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13946)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B200927 8LBN0WH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 2700 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15241.6 lumens
Efficiency: N/A
Efficacy: 68.3 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.66
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

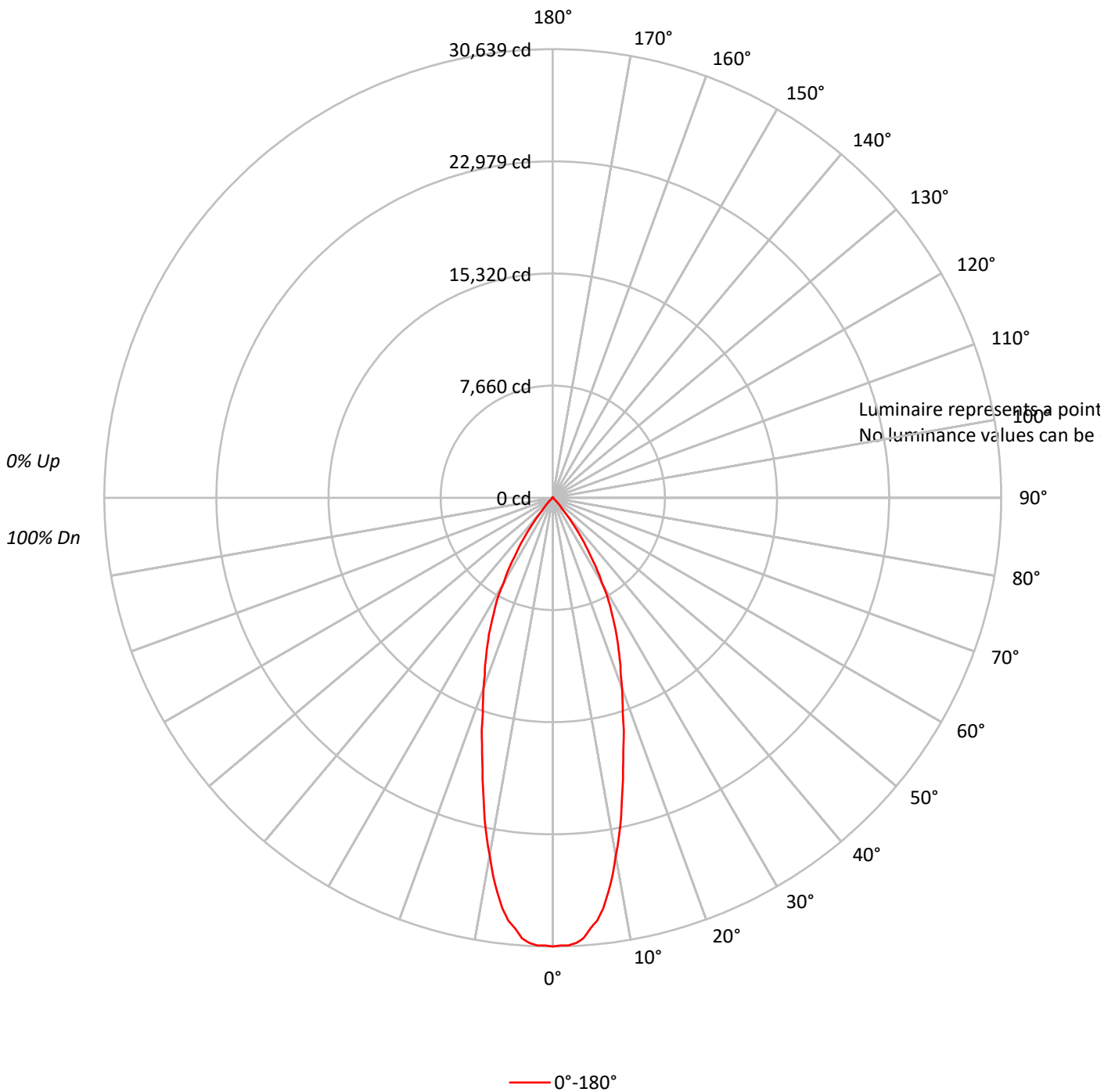
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250112

CATALOG NUMBER: LD8B200D010 ER8B200927 8LBN0WH

Luminous Intensity Polar Plot





TEST NUMBER: P250112

CATALOG NUMBER: LD8B200D010 ER8B200927 8LBN0WH

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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	105	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	85
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76
6	92	84	79	75	90	83	78	74	82	77	74	80	76	74	79	76	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	65
9	81	72	67	64	80	72	67	64	71	66	63	70	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	63	60	67	63	60	67	63	60	59

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P250112

CATALOG NUMBER: LD8B200D010 ER8B200927 8LBN0WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2675.9	17.6
10°-20°	5185.2	34.0
20°-30°	4668.4	30.6
30°-40°	2309.7	15.2
40°-50°	351.4	2.3
50°-60°	14.5	0.1
60°-70°	18.6	0.1
70°-80°	7.0	0.0
80°-90°	10.9	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°	12529.5	82.2
0°-40°	14839.2	97.4
0°-60°	15205.1	99.8
0°-90°	15241.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15241.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	30639	
5°	29517	###
15°	18577	5185
25°	10323	4668
35°	3739	2310
45°	388	351
55°	5	14
65°	11	19
75°	11	7
85°	16	11
90°	0	



TEST NUMBER: P250112

CATALOG NUMBER: LD8B200D010 ER8B200927 8LBN0WH

CANDELA DISTRIBUTION (FULL):

0°	
0°	30639.2
1°	30575.4
2°	30591.1
3°	30436.9
4°	30155.2
5°	29517.0
6°	29027.6
7°	28251.2
8°	27208.8
9°	26123.7
10°	24815.4
11°	23645.4
12°	22390.3
13°	21002.2
14°	19805.6
15°	18577.0
16°	17529.2
17°	16604.0
18°	15465.8
19°	14630.7
20°	13811.8
21°	12960.8
22°	12338.6
23°	11615.3
24°	10950.4
25°	10322.9
26°	9583.5
27°	8919.0
28°	8323.2
29°	7669.0
30°	6727.7
31°	6195.9
32°	5525.8
33°	4791.8
34°	4233.4
35°	3738.7
37.5°	2366.5
40°	1069.1
42.5°	728.7
45°	388.2
47.5°	218.0
50°	5.3
52.5°	21.4
55°	5.3
57.5°	32.1



TEST NUMBER: P250112

CATALOG NUMBER: LD8B200D010 ER8B200927 8LBN0WH

CANDELA DISTRIBUTION (continued):

	0°
60°	5.3
62.5°	26.7
65°	10.7
67.5°	26.7
70°	16.0
72.5°	5.3
75°	10.7
77.5°	0.0
80°	5.3
82.5°	21.4
85°	16.0
87.5°	0.0
90°	0.0

(END OF REPORT)