

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 ER8B2009727 8LBN0WH**

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 ER8B2009727 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: 13548.0 lumens
Efficiency: N/A
Efficacy: 60.7 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

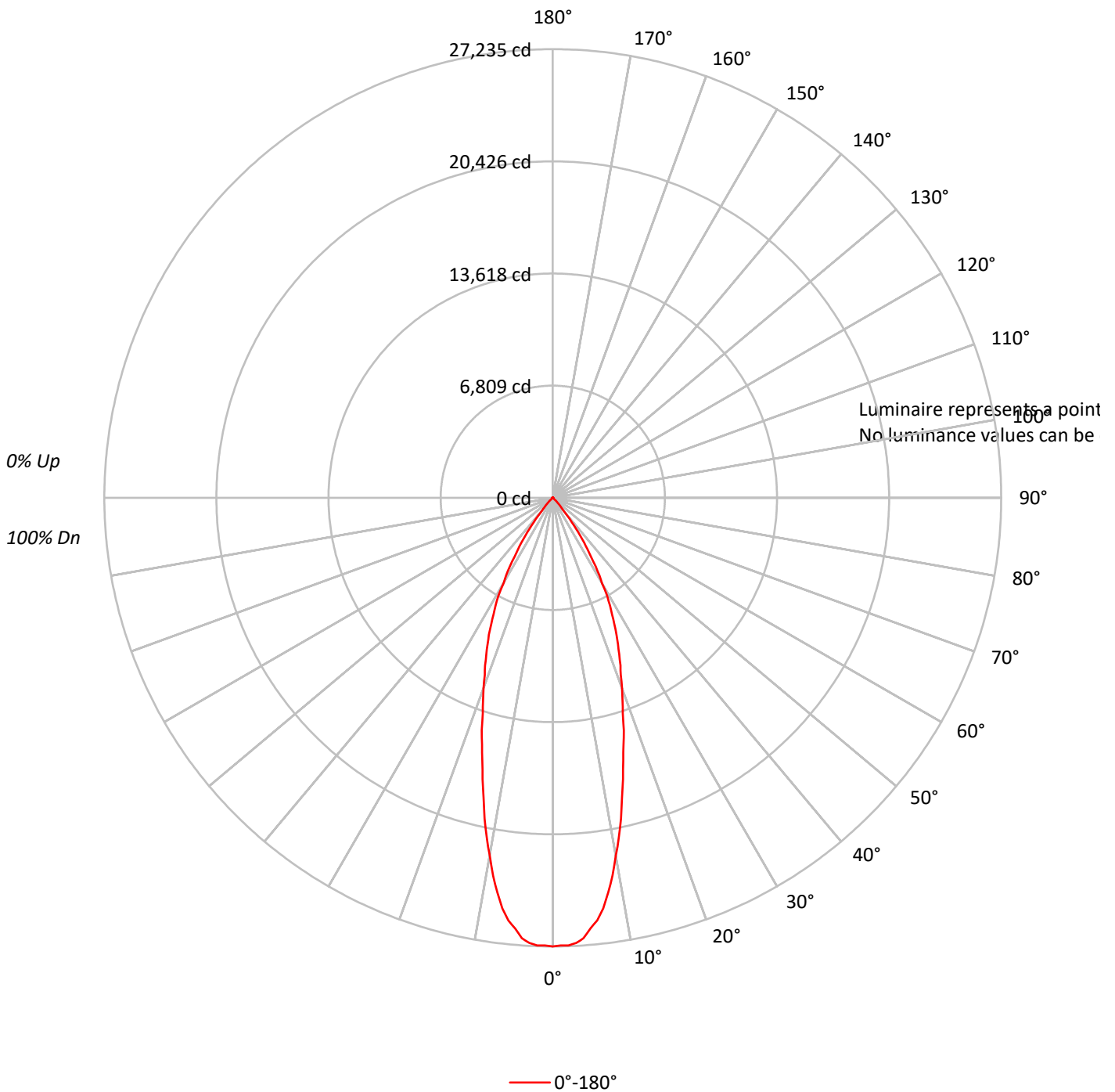
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250112

CATALOG NUMBER: LD8B200D010 ER8B2009727 8LBN0WH

Luminous Intensity Polar Plot





TEST NUMBER: P250112

CATALOG NUMBER: LD8B200D010 ER8B2009727 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 ER8B2009727 8LBN0WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2378.6	17.6
10°-20°	4609.1	34.0
20°-30°	4149.7	30.6
30°-40°	2053.1	15.2
40°-50°	312.3	2.3
50°-60°	12.8	0.1
60°-70°	16.5	0.1
70°-80°	6.2	0.0
80°-90°	9.7	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°	11137.4	82.2
0°-40°	13190.4	97.4
0°-60°	13515.6	99.8
0°-90°	13548.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13548.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	27235	
5°	26237	###
15°	16513	4609
25°	9176	4150
35°	3323	2053
45°	345	312
55°	5	13
65°	10	17
75°	10	6
85°	14	10
90°	0	



TEST NUMBER: P250112

CATALOG NUMBER: LD8B200D010 ER8B2009727 8LBN0WH

CANDELA DISTRIBUTION (FULL):

	0°
0°	27234.8
1°	27178.1
2°	27192.1
3°	27055.0
4°	26804.6
5°	26237.3
6°	25802.3
7°	25112.2
8°	24185.6
9°	23221.1
10°	22058.1
11°	21018.1
12°	19902.5
13°	18668.6
14°	17605.0
15°	16512.9
16°	15581.5
17°	14759.1
18°	13747.4
19°	13005.1
20°	12277.2
21°	11520.7
22°	10967.6
23°	10324.7
24°	9733.7
25°	9175.9
26°	8518.7
27°	7928.0
28°	7398.4
29°	6816.9
30°	5980.2
31°	5507.5
32°	4911.8
33°	4259.4
34°	3763.0
35°	3323.3
37.5°	2103.6
40°	950.3
42.5°	647.7
45°	345.1
47.5°	193.8
50°	4.7
52.5°	19.0
55°	4.7
57.5°	28.5



TEST NUMBER: P250112

CATALOG NUMBER: LD8B200D010 ER8B2009727 8LBN0WH

CANDELA DISTRIBUTION (continued):

	0°
60°	4.7
62.5°	23.7
65°	9.5
67.5°	23.7
70°	14.2
72.5°	4.7
75°	9.5
77.5°	0.0
80°	4.7
82.5°	19.0
85°	14.2
87.5°	0.0
90°	0.0

(END OF REPORT)