

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: P250028

Luminaire Tested: **LD8B200D010 ER8B200927 8LBN0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250028
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 ER8B200927 8LBN0WMH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14473.1 lumens
Efficiency: N/A
Efficacy: 64.8 lumens/watt
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.79
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

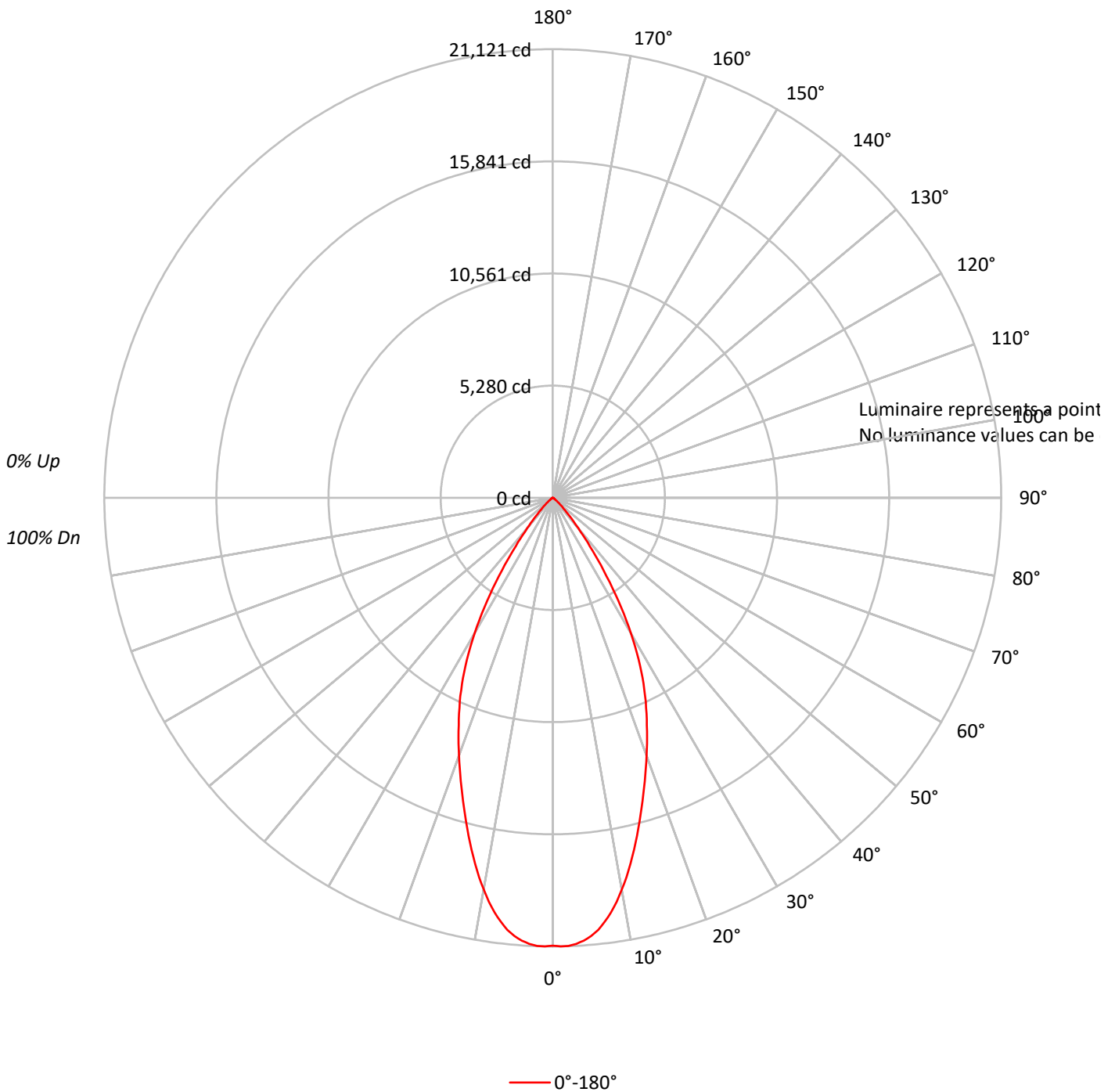
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250028

CATALOG NUMBER: LD8B200D010 ER8B200927 8LBN0WMH

Luminous Intensity Polar Plot





TEST NUMBER: P250028

CATALOG NUMBER: LD8B200D010 ER8B200927 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):





TEST NUMBER: P250028

CATALOG NUMBER: LD8B200D010 ER8B200927 8LBN0WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1913.3	13.2
10°-20°	4389.8	30.3
20°-30°	4663.7	32.2
30°-40°	2660.9	18.4
40°-50°	659.7	4.6
50°-60°	129.7	0.9
60°-70°	39.2	0.3
70°-80°	9.3	0.1
80°-90°	7.6	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°	10966.8	75.8
0°-40°	13627.7	94.2
0°-60°	14417.1	99.6
0°-90°	14473.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14473.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21080	
5°	20708	###
15°	15771	4390
25°	10296	4664
35°	4161	2661
45°	745	660
55°	121	130
65°	30	39
75°	0	9
85°	10	8
90°	0	



TEST NUMBER: P250028

CATALOG NUMBER: LD8B200D010 ER8B200927 8LBN0WMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	21080.5
1°	21120.9
2°	21105.7
3°	21030.2
4°	20899.2
5°	20707.6
6°	20456.0
7°	20108.2
8°	19710.3
9°	19242.0
10°	18728.1
11°	18184.3
12°	17599.8
13°	17005.5
14°	16396.0
15°	15771.3
16°	15182.0
17°	14587.6
18°	14028.4
19°	13459.4
20°	12920.4
22.5°	11585.4
25°	10295.9
27.5°	8910.8
30°	7379.4
32.5°	5737.3
35°	4160.7
37.5°	2866.0
40°	1853.8
42.5°	1173.7
45°	745.4
47.5°	488.7
50°	307.2
52.5°	186.5
55°	120.8
57.5°	95.7
60°	60.4
62.5°	55.4
65°	30.3
67.5°	30.3
70°	25.3
72.5°	15.2
75°	0.0
77.5°	5.1
80°	5.1



TEST NUMBER: P250028

CATALOG NUMBER: LD8B200D010 ER8B200927 8LBN0WMH

CANDELA DISTRIBUTION (continued):

	0°
82.5°	10.1
85°	10.1
87.5°	5.1
90°	0.0

(END OF REPORT)