

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: P250406

Luminaire Tested: **LD8B200D010 ER8B200850 8LBN0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250406
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13948)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B200850 8LBN0B
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 5000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12459.9 lumens
Efficiency: N/A
Efficacy: 55.8 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.77
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

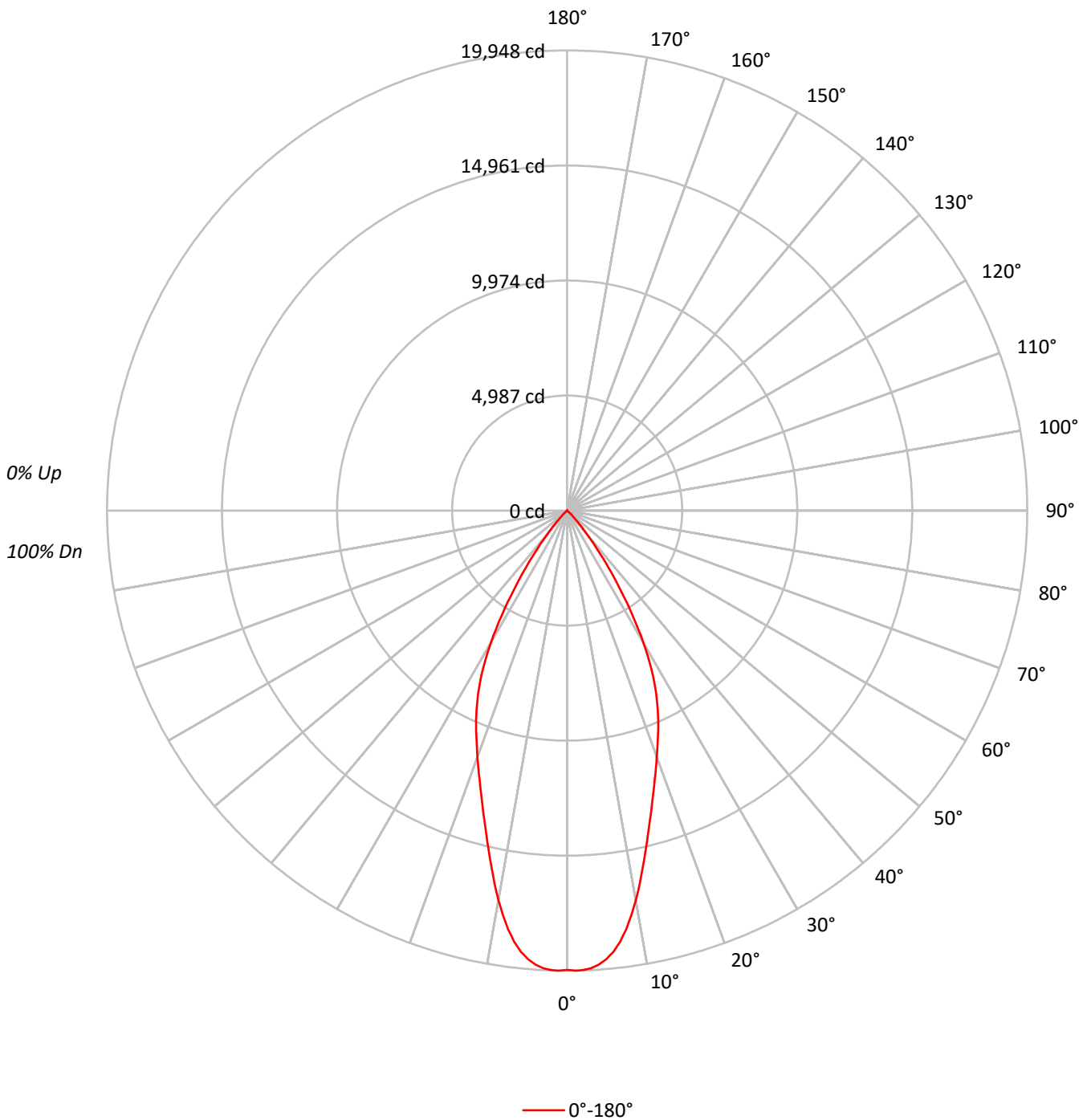
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250406

CATALOG NUMBER: LD8B200D010 ER8B200850 8LBN0B

Luminous Intensity Polar Plot





TEST NUMBER: P250406

CATALOG NUMBER: LD8B200D010 ER8B200850 8LBN0B

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	112	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	88	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	90	82	77	73	89	81	76	72	80	75	72	79	75	71	77	74	71	70
7	86	78	72	68	85	77	72	68	76	71	68	75	71	67	74	70	67	66
8	83	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	613948
5°	604137
10°	536763
15°	442781
20°	372910
25°	314529
30°	235503
35°	133279
40°	52696
45°	14147
50°	2710
55°	0
60°	389
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P250406

CATALOG NUMBER: LD8B200D010 ER8B200850 8LBN0B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1787.3	14.3
10°-20°	3884.6	31.2
20°-30°	4170.4	33.5
30°-40°	2254.0	18.1
40°-50°	351.7	2.8
50°-60°	9.6	0.1
60°-70°	2.4	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	9842.3	79.0
0°-40°	12096.3	97.1
0°-60°	12457.6	100.0
0°-90°	12459.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12459.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19910	
5°	19517	###
15°	13870	3885
25°	9244	4170
35°	3540	2254
45°	324	352
55°	0	10
65°	0	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P250406

CATALOG NUMBER: LD8B200D010 ER8B200850 8LBN0B

CANDELA DISTRIBUTION (FULL):

0°	
0°	19909.9
1°	19947.6
2°	19928.9
3°	19860.6
4°	19729.5
5°	19517.2
6°	19224.8
7°	18831.5
8°	18339.1
9°	17772.5
10°	17142.4
11°	16481.4
12°	15795.8
13°	15110.7
14°	14474.2
15°	13869.8
16°	13314.9
17°	12778.8
18°	12280.1
19°	11813.1
20°	11363.9
21°	10927.4
22°	10515.7
23°	10104.9
24°	9674.8
25°	9244.3
26°	8807.8
27°	8309.4
28°	7760.6
29°	7200.3
30°	6614.0
31°	5984.5
32°	5354.3
33°	4731.2
34°	4101.7
35°	3540.5
37.5°	2262.8
40°	1309.1
42.5°	698.4
45°	324.4
47.5°	174.9
50°	56.5
52.5°	6.3
55°	0.0
57.5°	6.3



TEST NUMBER: P250406

CATALOG NUMBER: LD8B200D010 ER8B200850 8LBN0B

CANDELA DISTRIBUTION (continued):

	0°
60°	6.3
62.5°	0.0
65°	0.0
67.5°	6.3
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)