

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: P250434

Luminaire Tested: **LD8B200D010 ER8B200940 8LBN0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250434
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 ER8B200940 8LBN0B
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 4000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10957.0 lumens
Efficiency: N/A
Efficacy: 49.1 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

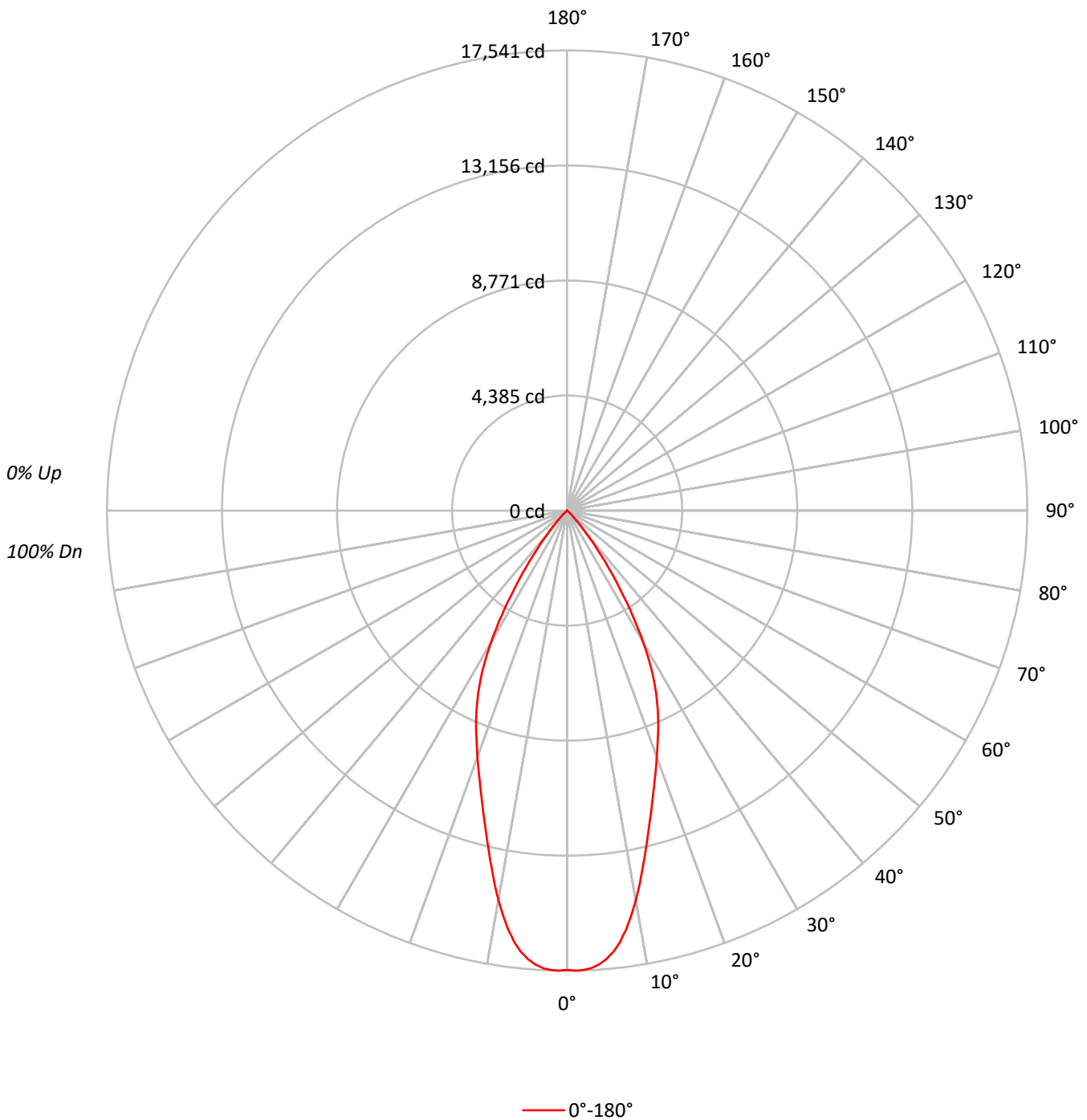
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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°	539888
5°	531262
10°	472013
15°	389372
20°	327927
25°	276589
30°	207096
35°	117201
40°	46340
45°	12442
50°	2384
55°	0
60°	345
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1571.7	14.3
10°-20°	3416.0	31.2
20°-30°	3667.4	33.5
30°-40°	1982.1	18.1
40°-50°	309.2	2.8
50°-60°	8.5	0.1
60°-70°	2.1	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°	8655.1	79.0
0°-40°	10637.2	97.1
0°-60°	10954.9	100.0
0°-90°	10957.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10957.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17508	
5°	17163	###
15°	12197	3416
25°	8129	3667
35°	3113	1982
45°	285	309
55°	0	8
65°	0	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	17508.2
1°	17541.4
2°	17525.0
3°	17464.9
4°	17349.6
5°	17162.9
6°	16905.8
7°	16559.9
8°	16127.0
9°	15628.7
10°	15074.5
11°	14493.4
12°	13890.4
13°	13288.0
14°	12728.3
15°	12196.8
16°	11708.8
17°	11237.3
18°	10798.8
19°	10388.1
20°	9993.1
21°	9609.3
22°	9247.2
23°	8886.0
24°	8507.8
25°	8129.2
26°	7745.4
27°	7307.1
28°	6824.5
29°	6331.8
30°	5816.2
31°	5262.6
32°	4708.5
33°	4160.5
34°	3606.9
35°	3113.4
37.5°	1989.8
40°	1151.2
42.5°	614.1
45°	285.3
47.5°	153.8
50°	49.7
52.5°	5.6
55°	0.0
57.5°	5.6



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CANDELA DISTRIBUTION (continued):

	0°
60°	5.6
62.5°	0.0
65°	0.0
67.5°	5.6
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)