

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: P250392

Luminaire Tested: **LD8B200D010 ER8B200835 8LBN0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250392
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 ER8B200835 8LBN0B
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 3500 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12301.0 lumens
Efficiency: N/A
Efficacy: 55.1 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

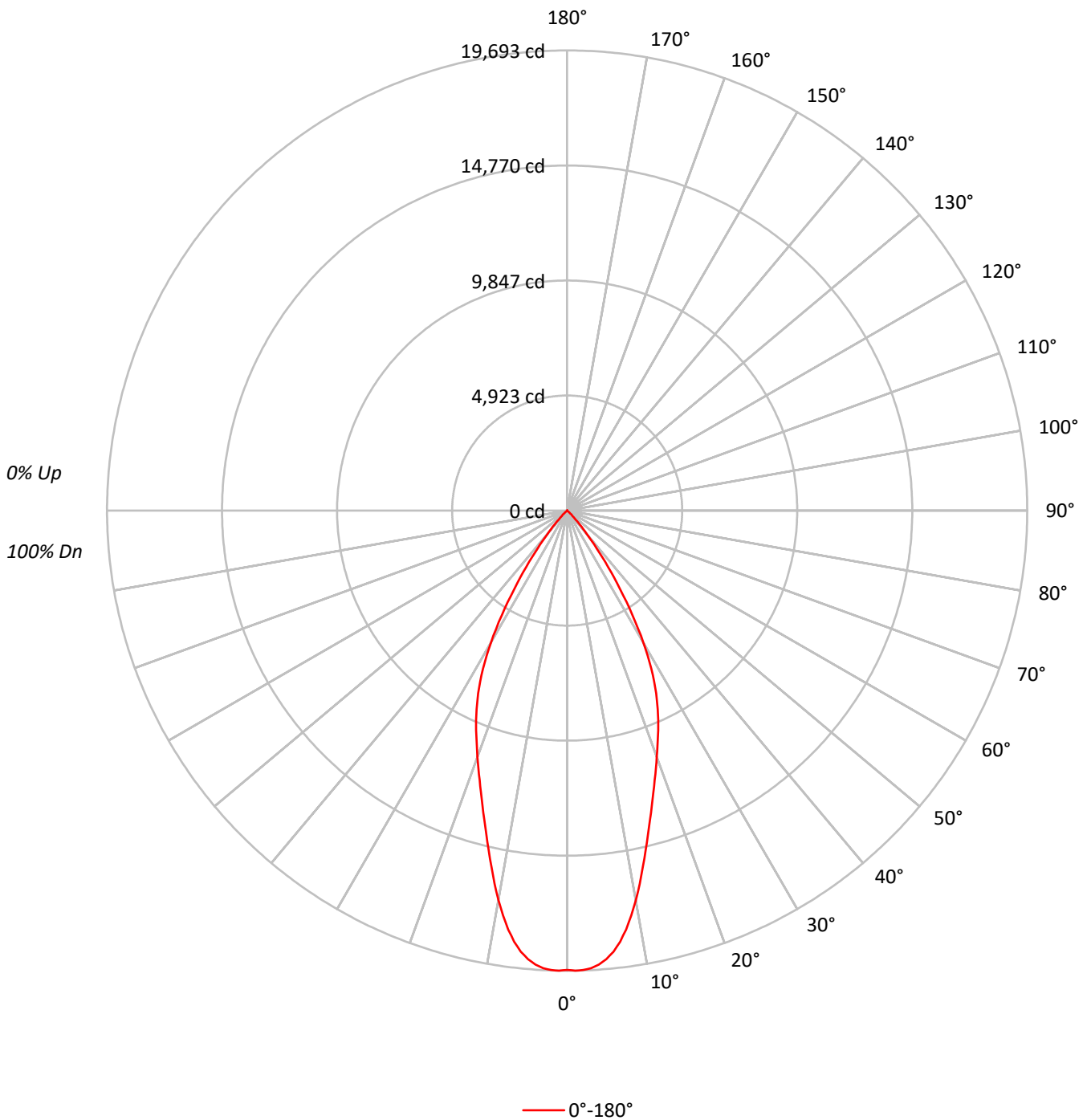
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	606112
5°	596427
10°	529912
15°	437130
20°	368152
25°	310518
30°	232498
35°	131578
40°	52024
45°	13968
50°	2677
55°	0
60°	389
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1764.5	14.3
10°-20°	3835.0	31.2
20°-30°	4117.2	33.5
30°-40°	2225.2	18.1
40°-50°	347.2	2.8
50°-60°	9.5	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°	9716.7	79.0
0°-40°	11942.0	97.1
0°-60°	12298.7	100.0
0°-90°	12301.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12301.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19656	
5°	19268	###
15°	13693	3835
25°	9126	4117
35°	3495	2225
45°	320	347
55°	0	10
65°	0	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	19655.8
1°	19693.1
2°	19674.6
3°	19607.2
4°	19477.8
5°	19268.1
6°	18979.5
7°	18591.2
8°	18105.1
9°	17545.7
10°	16923.6
11°	16271.1
12°	15594.2
13°	14917.9
14°	14289.5
15°	13692.8
16°	13145.0
17°	12615.7
18°	12123.4
19°	11662.3
20°	11218.9
21°	10788.0
22°	10381.5
23°	9976.0
24°	9551.3
25°	9126.4
26°	8695.4
27°	8203.4
28°	7661.6
29°	7108.4
30°	6529.6
31°	5908.1
32°	5286.0
33°	4670.8
34°	4049.4
35°	3495.3
37.5°	2233.9
40°	1292.4
42.5°	689.5
45°	320.3
47.5°	172.7
50°	55.8
52.5°	6.3
55°	0.0
57.5°	6.3



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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)