

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: P250315

Luminaire Tested: **LD8B200D010 ER8B200840 8LBN0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250315
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 ER8B200840 8LBN0GPH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 4000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16819.0 lumens
Efficiency: N/A
Efficacy: 75.3 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

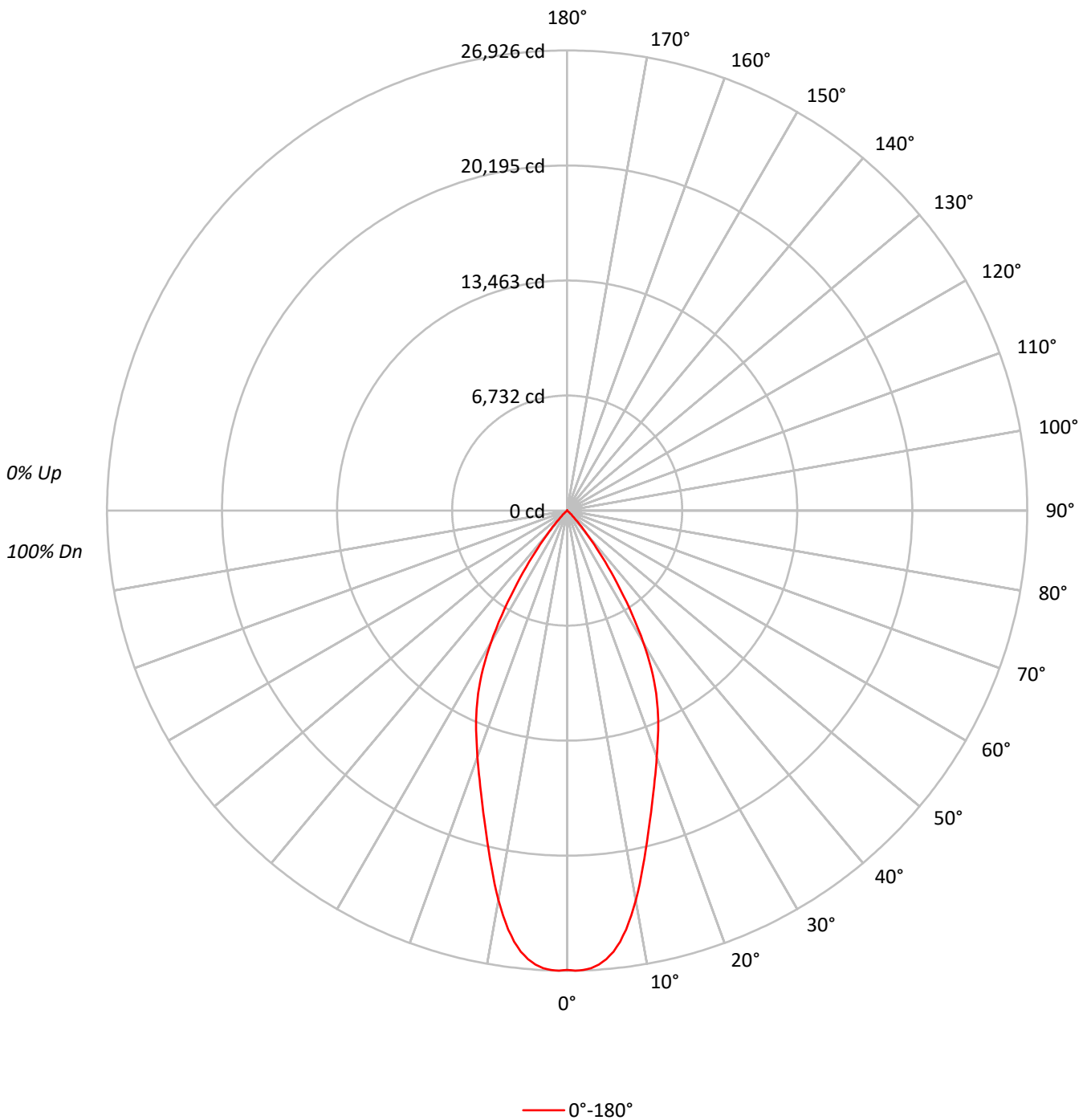
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	828729
5°	815486
10°	724541
15°	597683
20°	503371
25°	424566
30°	317890
35°	179905
40°	71133
45°	19096
50°	3660
55°	0
60°	530
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2412.6	14.3
10°-20°	5243.6	31.2
20°-30°	5629.4	33.5
30°-40°	3042.5	18.1
40°-50°	474.7	2.8
50°-60°	13.0	0.1
60°-70°	3.2	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°	13285.6	79.0
0°-40°	16328.1	97.1
0°-60°	16815.8	100.0
0°-90°	16819.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16819.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	26875	
5°	26345	###
15°	18722	5244
25°	12478	5629
35°	4779	3043
45°	438	475
55°	0	13
65°	0	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	26875.1
1°	26926.1
2°	26900.8
3°	26808.7
4°	26631.7
5°	26345.0
6°	25950.4
7°	25419.5
8°	24754.9
9°	23990.0
10°	23139.4
11°	22247.3
12°	21321.7
13°	20397.0
14°	19537.9
15°	18722.0
16°	17973.0
17°	17249.3
18°	16576.1
19°	15945.8
20°	15339.5
21°	14750.3
22°	14194.5
23°	13640.0
24°	13059.4
25°	12478.4
26°	11889.2
27°	11216.4
28°	10475.5
29°	9719.2
30°	8927.8
31°	8078.1
32°	7227.5
33°	6386.4
34°	5536.7
35°	4779.1
37.5°	3054.3
40°	1767.1
42.5°	942.7
45°	437.9
47.5°	236.1
50°	76.3
52.5°	8.6
55°	0.0
57.5°	8.6



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CANDELA DISTRIBUTION (continued):

	0°
60°	8.6
62.5°	0.0
65°	0.0
67.5°	8.6
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)