

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: P250322

Luminaire Tested: **LD8B200D010 ER8B200850 8LBN0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250322
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 8LBN0GPH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 5000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17149.0 lumens
Efficiency: N/A
Efficacy: 76.8 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

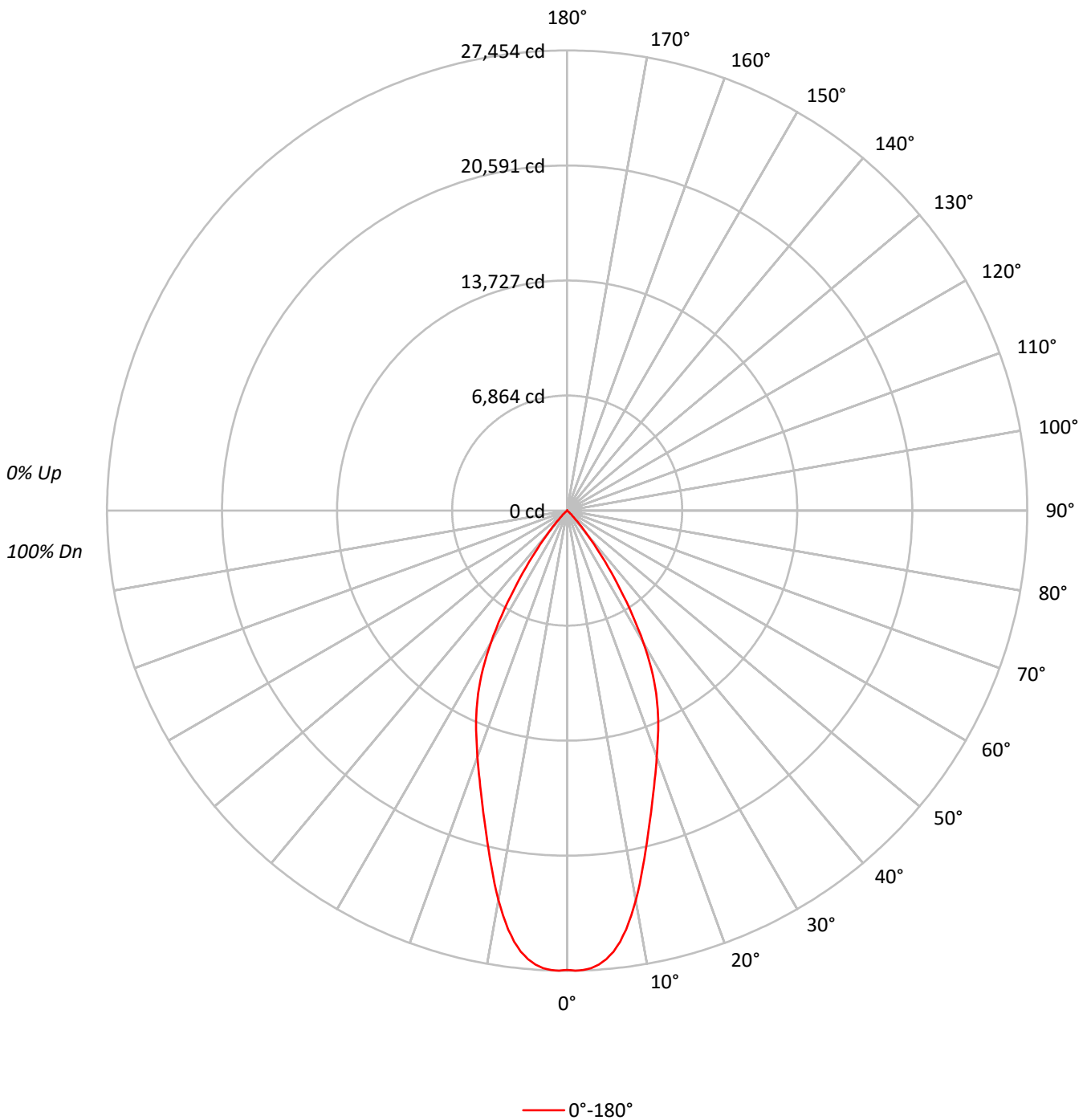
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	844989
5°	831489
10°	738760
15°	609412
20°	513245
25°	432896
30°	324128
35°	183433
40°	72530
45°	19471
50°	3732
55°	0
60°	537
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2459.9	14.3
10°-20°	5346.5	31.2
20°-30°	5739.8	33.5
30°-40°	3102.2	18.1
40°-50°	484.0	2.8
50°-60°	13.2	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°	13546.2	79.0
0°-40°	16648.5	97.1
0°-60°	17145.7	100.0
0°-90°	17149.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17149.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	27402	
5°	26862	###
15°	19089	5346
25°	12723	5740
35°	4873	3102
45°	446	484
55°	0	13
65°	0	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	27402.4
1°	27454.4
2°	27428.6
3°	27334.7
4°	27154.2
5°	26862.0
6°	26459.6
7°	25918.2
8°	25240.6
9°	24460.7
10°	23593.5
11°	22683.8
12°	21740.1
13°	20797.2
14°	19921.2
15°	19089.4
16°	18325.7
17°	17587.7
18°	16901.3
19°	16258.6
20°	15640.4
21°	15039.7
22°	14473.0
23°	13907.6
24°	13315.6
25°	12723.2
26°	12122.4
27°	11436.5
28°	10681.1
29°	9909.9
30°	9103.0
31°	8236.6
32°	7369.3
33°	6511.7
34°	5645.3
35°	4872.8
37.5°	3114.3
40°	1801.8
42.5°	961.2
45°	446.5
47.5°	240.7
50°	77.8
52.5°	8.7
55°	0.0
57.5°	8.7



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CANDELA DISTRIBUTION (continued):

	0°
60°	8.7
62.5°	0.0
65°	0.0
67.5°	8.7
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)