

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: P250679

Luminaire Tested: **LD8B200D010 ER8B200935 8LBN0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250679
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P131425)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B200935 8LBN0MW
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 3500 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16498.0 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.85
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

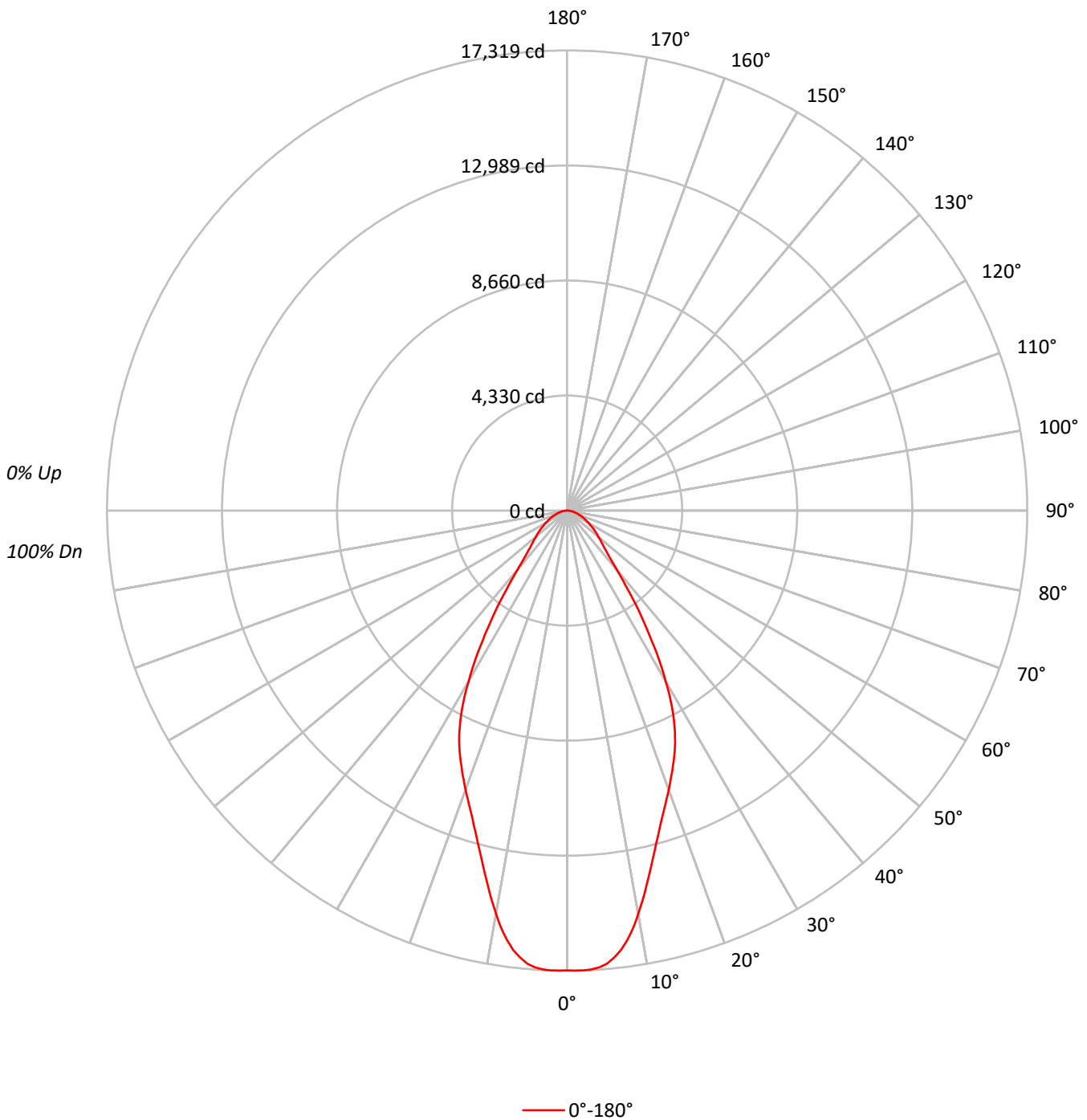
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	109	106	104	101	102	100	98	98	97	95	95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67
5	87	78	71	66	85	77	70	65	75	69	65	73	68	64	71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57
7	78	67	60	56	76	67	60	55	65	59	55	64	59	55	63	58	54	53
8	74	63	56	52	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	533733
5°	529903
10°	482794
15°	413918
20°	366737
25°	327234
30°	264287
35°	183504
40°	116338
45°	86316
50°	73744
55°	64809
60°	57787
65°	51856
70°	44620
75°	40771
80°	38322
85°	33541



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1580.0	9.6
10°-20°	3645.7	22.1
20°-30°	4345.1	26.3
30°-40°	3067.1	18.6
40°-50°	1584.0	9.6
50°-60°	1087.0	6.6
60°-70°	706.7	4.3
70°-80°	369.9	2.2
80°-90°	112.4	0.7
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°	9570.9	58.0
0°-40°	12638.0	76.6
0°-60°	15309.0	92.8
0°-90°	16498.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16498.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17309	
5°	17119	###
15°	12966	3646
25°	9618	4345
35°	4875	3067
45°	1979	1584
55°	1206	1087
65°	711	707
75°	342	370
85°	95	112
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	17308.6
1°	17319.2
2°	17319.2
3°	17292.8
4°	17234.9
5°	17119.0
6°	16913.8
7°	16661.1
8°	16313.6
9°	15892.6
10°	15418.8
11°	14918.7
12°	14397.4
13°	13897.4
14°	13413.1
15°	12965.7
16°	12549.8
17°	12165.6
18°	11818.0
19°	11491.6
20°	11175.8
21°	10865.2
22°	10559.9
23°	10254.7
24°	9944.1
25°	9617.7
26°	9249.0
27°	8849.0
28°	8412.1
29°	7948.9
30°	7422.4
31°	6911.9
32°	6390.6
33°	5853.7
34°	5358.8
35°	4874.7
37.5°	3753.4
40°	2890.1
42.5°	2326.8
45°	1979.3
47.5°	1731.9
50°	1537.2
52.5°	1368.7
55°	1205.5
57.5°	1058.2



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CANDELA DISTRIBUTION (continued):

	0°
60°	937.0
62.5°	816.0
65°	710.7
67.5°	615.9
70°	494.9
72.5°	426.5
75°	342.2
77.5°	278.9
80°	215.8
82.5°	157.9
85°	94.8
87.5°	52.6
90°	0.0

(END OF REPORT)