

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: P250630

Luminaire Tested: **LD8B200D010 ER8B200827 8LBN0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250630
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 ER8B200827 8LBN0MW
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18149.0 lumens
Efficiency: N/A
Efficacy: 81.3 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

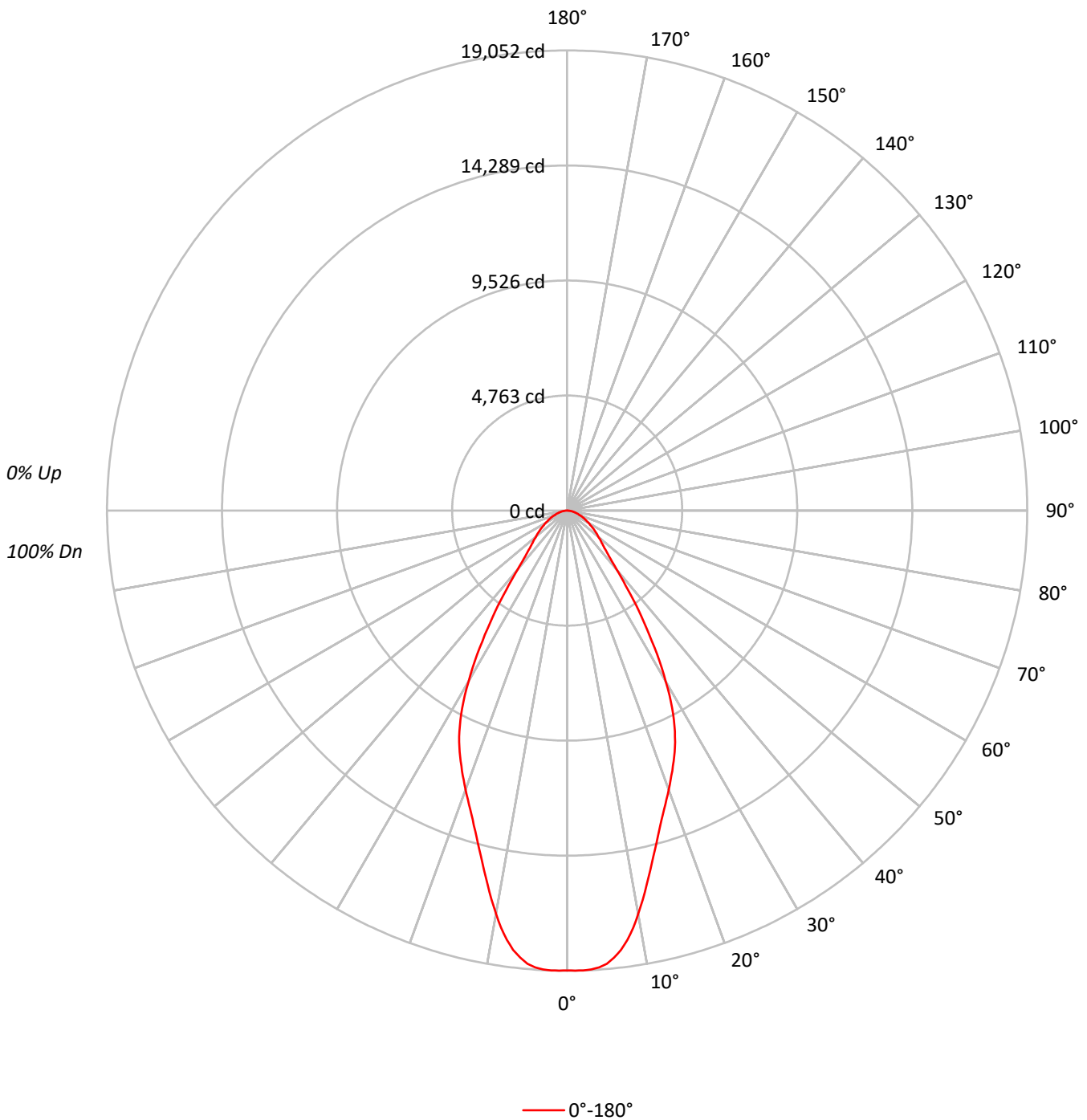
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	587145
5°	582934
10°	531108
15°	455343
20°	403438
25°	359982
30°	290732
35°	201871
40°	127983
45°	94955
50°	81127
55°	71298
60°	63566
65°	57044
70°	49083
75°	44857
80°	42157
85°	36902



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1738.2	9.6
10°-20°	4010.6	22.1
20°-30°	4780.0	26.3
30°-40°	3374.1	18.6
40°-50°	1742.5	9.6
50°-60°	1195.8	6.6
60°-70°	777.4	4.3
70°-80°	407.0	2.2
80°-90°	123.7	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°	10528.7	58.0
0°-40°	13902.8	76.6
0°-60°	16841.0	92.8
0°-90°	18149.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18149.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19041	
5°	18832	###
15°	14263	4011
25°	10580	4780
35°	5363	3374
45°	2177	1743
55°	1326	1196
65°	782	777
75°	376	407
85°	104	124
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	19040.7
1°	19052.4
2°	19052.4
3°	19023.3
4°	18959.7
5°	18832.2
6°	18606.4
7°	18328.4
8°	17946.1
9°	17483.0
10°	16961.8
11°	16411.6
12°	15838.2
13°	15288.2
14°	14755.4
15°	14263.3
16°	13805.7
17°	13383.0
18°	13000.7
19°	12641.6
20°	12294.2
21°	11952.5
22°	11616.7
23°	11280.9
24°	10939.2
25°	10580.2
26°	10174.6
27°	9734.5
28°	9254.0
29°	8744.4
30°	8165.1
31°	7603.6
32°	7030.1
33°	6439.5
34°	5895.1
35°	5362.6
37.5°	4129.0
40°	3179.4
42.5°	2559.7
45°	2177.4
47.5°	1905.2
50°	1691.1
52.5°	1505.7
55°	1326.2
57.5°	1164.1



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CANDELA DISTRIBUTION (continued):

	0°
60°	1030.7
62.5°	897.7
65°	781.8
67.5°	677.5
70°	544.4
72.5°	469.2
75°	376.5
77.5°	306.8
80°	237.4
82.5°	173.7
85°	104.3
87.5°	57.8
90°	0.0

(END OF REPORT)