

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: P250637

Luminaire Tested: **LD8B200D010 ER8B200830 8LBN0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250637
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 ER8B200830 8LBN0MW
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18603.0 lumens
Efficiency: N/A
Efficacy: 83.3 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

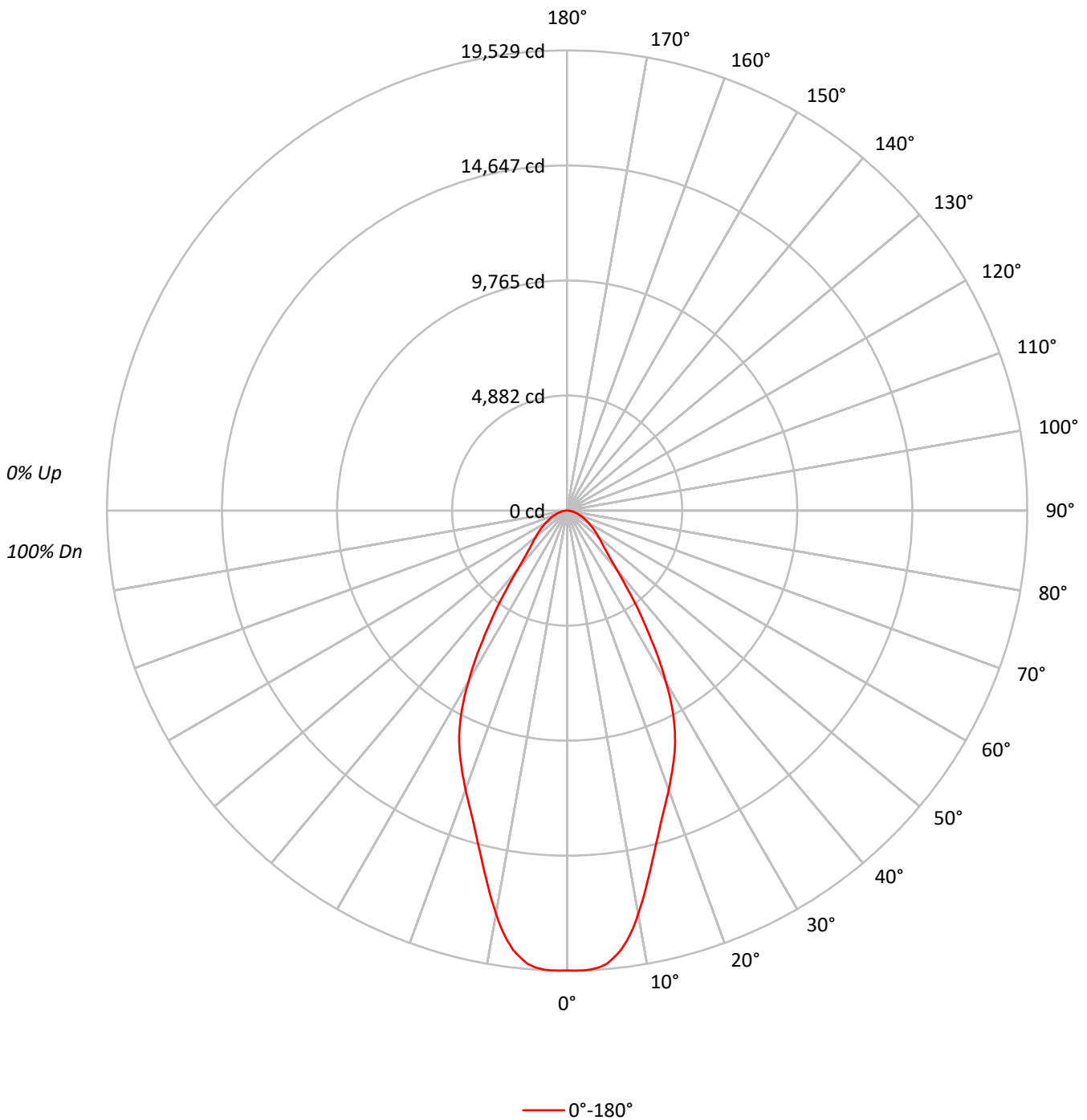
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	601832
5°	597516
10°	544394
15°	466734
20°	413529
25°	368985
30°	298007
35°	206919
40°	131184
45°	97331
50°	83156
55°	73083
60°	65157
65°	58467
70°	50309
75°	45977
80°	43205
85°	37822



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1781.6	9.6
10°-20°	4110.9	22.1
20°-30°	4899.6	26.3
30°-40°	3458.5	18.6
40°-50°	1786.1	9.6
50°-60°	1225.7	6.6
60°-70°	796.8	4.3
70°-80°	417.1	2.2
80°-90°	126.8	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°	10792.1	58.0
0°-40°	14250.6	76.6
0°-60°	17262.3	92.8
0°-90°	18603.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18603.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19517	
5°	19303	###
15°	14620	4111
25°	10845	4900
35°	5497	3458
45°	2232	1786
55°	1359	1226
65°	801	797
75°	386	417
85°	107	127
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19517.0
1°	19529.0
2°	19529.0
3°	19499.2
4°	19434.0
5°	19303.3
6°	19071.9
7°	18786.9
8°	18395.0
9°	17920.4
10°	17386.1
11°	16822.1
12°	16234.3
13°	15670.6
14°	15124.5
15°	14620.1
16°	14151.1
17°	13717.8
18°	13325.9
19°	12957.9
20°	12601.7
21°	12251.5
22°	11907.3
23°	11563.1
24°	11212.9
25°	10844.8
26°	10429.1
27°	9978.0
28°	9485.5
29°	8963.2
30°	8369.4
31°	7793.8
32°	7206.0
33°	6600.6
34°	6042.6
35°	5496.7
37.5°	4232.3
40°	3258.9
42.5°	2623.7
45°	2231.9
47.5°	1952.8
50°	1733.4
52.5°	1543.4
55°	1359.4
57.5°	1193.2



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CANDELA DISTRIBUTION (continued):

	0°
60°	1056.5
62.5°	920.1
65°	801.3
67.5°	694.4
70°	558.0
72.5°	480.9
75°	385.9
77.5°	314.5
80°	243.3
82.5°	178.1
85°	106.9
87.5°	59.3
90°	0.0

(END OF REPORT)