

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: P250644

Luminaire Tested: **LD8B200D010 ER8B200835 8LBN0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250644
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 ER8B200835 8LBN0MW
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 3500 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19345.9 lumens
Efficiency: N/A
Efficacy: 86.6 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

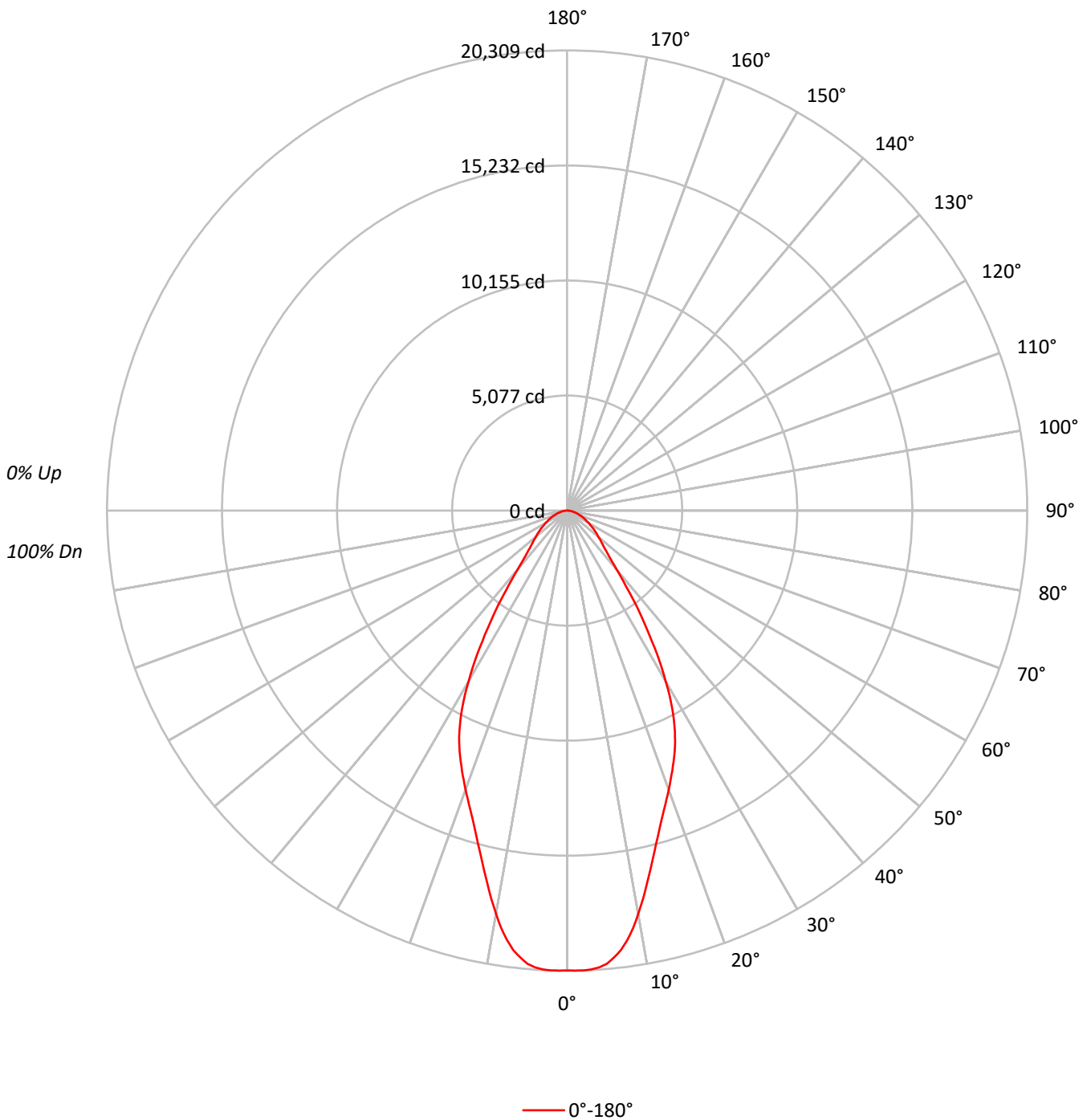
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	625872
5°	621379
10°	566137
15°	485374
20°	430045
25°	383724
30°	309910
35°	215182
40°	136421
45°	101217
50°	86476
55°	75997
60°	67760
65°	60802
70°	52319
75°	47812
80°	44928
85°	39343



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1852.8	9.6
10°-20°	4275.1	22.1
20°-30°	5095.2	26.3
30°-40°	3596.6	18.6
40°-50°	1857.4	9.6
50°-60°	1274.6	6.6
60°-70°	828.6	4.3
70°-80°	433.8	2.2
80°-90°	131.8	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°	11223.1	58.0
0°-40°	14819.7	76.6
0°-60°	17951.7	92.8
0°-90°	19345.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19345.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20297	
5°	20074	###
15°	15204	4275
25°	11278	5095
35°	5716	3597
45°	2321	1857
55°	1414	1275
65°	833	829
75°	401	434
85°	111	132
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	20296.6
1°	20308.9
2°	20308.9
3°	20278.0
4°	20210.2
5°	20074.2
6°	19833.6
7°	19537.2
8°	19129.7
9°	18636.1
10°	18080.5
11°	17494.0
12°	16882.7
13°	16296.5
14°	15728.6
15°	15204.0
16°	14716.3
17°	14265.7
18°	13858.2
19°	13475.4
20°	13105.0
21°	12740.9
22°	12382.9
23°	12024.9
24°	11660.7
25°	11278.0
26°	10845.7
27°	10376.5
28°	9864.3
29°	9321.1
30°	8703.7
31°	8105.1
32°	7493.8
33°	6864.2
34°	6283.9
35°	5716.2
37.5°	4401.4
40°	3389.0
42.5°	2728.5
45°	2321.0
47.5°	2030.8
50°	1802.6
52.5°	1605.0
55°	1413.6
57.5°	1240.8



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CANDELA DISTRIBUTION (continued):

	0°
60°	1098.7
62.5°	956.9
65°	833.3
67.5°	722.2
70°	580.3
72.5°	500.1
75°	401.3
77.5°	327.0
80°	253.0
82.5°	185.2
85°	111.2
87.5°	61.6
90°	0.0

(END OF REPORT)