

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: P250658

Luminaire Tested: **LD8B200D010 ER8B200850 8LBN0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250658
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 ER8B200850 8LBN0MW
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 5000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19595.0 lumens
Efficiency: N/A
Efficacy: 87.8 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

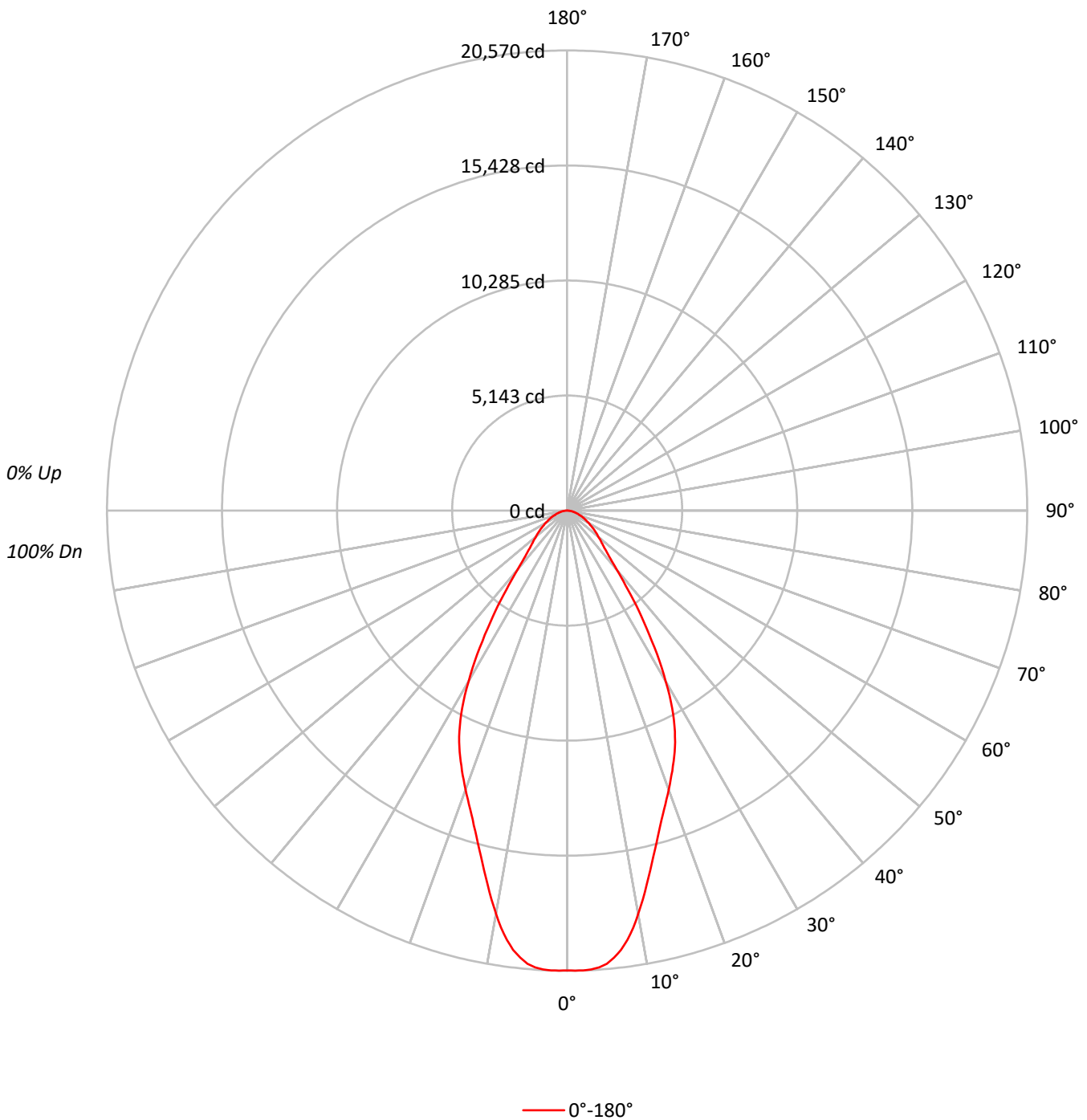
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	633927
5°	629377
10°	573423
15°	491622
20°	435581
25°	388661
30°	313898
35°	217952
40°	138180
45°	102521
50°	87589
55°	76976
60°	68635
65°	61590
70°	52996
75°	48431
80°	45514
85°	39839



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1876.6	9.6
10°-20°	4330.1	22.1
20°-30°	5160.8	26.3
30°-40°	3642.9	18.6
40°-50°	1881.3	9.6
50°-60°	1291.0	6.6
60°-70°	839.3	4.3
70°-80°	439.4	2.2
80°-90°	133.5	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°	11367.6	58.0
0°-40°	15010.5	76.6
0°-60°	18182.8	92.8
0°-90°	19595.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19595.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20558	
5°	20333	###
15°	15400	4330
25°	11423	5161
35°	5790	3643
45°	2351	1881
55°	1432	1291
65°	844	839
75°	406	439
85°	113	134
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	20557.8
1°	20570.3
2°	20570.3
3°	20539.0
4°	20470.3
5°	20332.6
6°	20088.9
7°	19788.7
8°	19375.9
9°	18875.9
10°	18313.2
11°	17719.2
12°	17100.0
13°	16506.3
14°	15931.0
15°	15399.7
16°	14905.7
17°	14449.3
18°	14036.5
19°	13648.8
20°	13273.7
21°	12904.8
22°	12542.3
23°	12179.7
24°	11810.8
25°	11423.1
26°	10985.3
27°	10510.1
28°	9991.3
29°	9441.1
30°	8815.7
31°	8209.4
32°	7590.2
33°	6952.6
34°	6364.8
35°	5789.8
37.5°	4458.0
40°	3432.7
42.5°	2763.6
45°	2350.9
47.5°	2057.0
50°	1825.8
52.5°	1625.7
55°	1431.8
57.5°	1256.8



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CANDELA DISTRIBUTION (continued):

	0°
60°	1112.9
62.5°	969.2
65°	844.1
67.5°	731.5
70°	587.8
72.5°	506.5
75°	406.5
77.5°	331.2
80°	256.3
82.5°	187.6
85°	112.6
87.5°	62.4
90°	0.0

(END OF REPORT)