

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: P250063

Luminaire Tested: **LD8B200D010 ER8B200840 8LBNOWH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250063
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13946)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B200840 8LBN0WH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 4000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19330.0 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.66
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

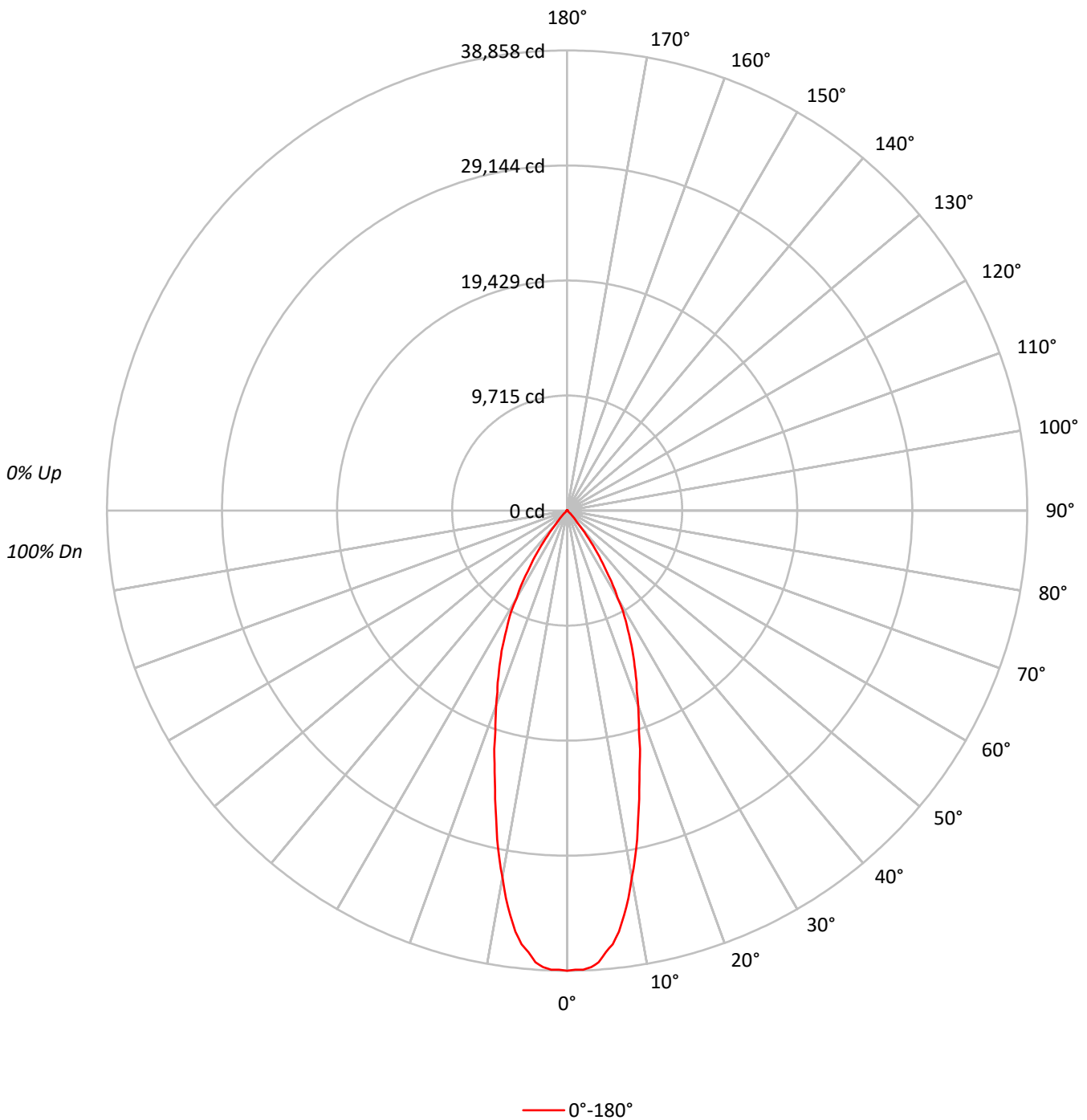
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	105	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	85
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76
6	92	84	79	75	90	83	78	74	82	77	74	80	76	74	79	76	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	65
9	81	72	67	64	80	72	67	64	71	66	63	70	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	63	60	67	63	60	67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1198238
5°	1158761
10°	985452
15°	752138
20°	574823
25°	445444
30°	303811
35°	178494
40°	54576
45°	21469
50°	326
55°	366
60°	419
65°	985
70°	1830
75°	1608
80°	1208
85°	7182



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3393.7	17.6
10°-20°	6576.2	34.0
20°-30°	5920.7	30.6
30°-40°	2929.3	15.2
40°-50°	445.6	2.3
50°-60°	18.3	0.1
60°-70°	23.5	0.1
70°-80°	8.9	0.0
80°-90°	13.8	0.1
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°	15890.5	82.2
0°-40°	18819.8	97.4
0°-60°	19283.8	99.8
0°-90°	19330.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19330.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	38858	
5°	37435	###
15°	23560	6576
25°	13092	5921
35°	4742	2929
45°	492	446
55°	7	18
65°	14	24
75°	14	9
85°	20	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	38858.0
1°	38777.1
2°	38797.1
3°	38601.5
4°	38244.2
5°	37434.8
6°	36814.2
7°	35829.6
8°	34507.5
9°	33131.4
10°	31472.0
11°	29988.2
12°	28396.5
13°	26636.0
14°	25118.4
15°	23560.2
16°	22231.4
17°	21057.9
18°	19614.4
19°	18555.3
20°	17516.9
21°	16437.5
22°	15648.4
23°	14731.0
24°	13887.8
25°	13092.0
26°	12154.3
27°	11311.4
28°	10555.9
29°	9726.2
30°	8532.4
31°	7858.0
32°	7008.0
33°	6077.2
34°	5369.0
35°	4741.6
37.5°	3001.4
40°	1355.8
42.5°	924.1
45°	492.3
47.5°	276.5
50°	6.8
52.5°	27.1
55°	6.8
57.5°	40.6



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CANDELA DISTRIBUTION (continued):

	0°
60°	6.8
62.5°	33.8
65°	13.5
67.5°	33.8
70°	20.3
72.5°	6.8
75°	13.5
77.5°	0.0
80°	6.8
82.5°	27.1
85°	20.3
87.5°	0.0
90°	0.0

(END OF REPORT)