

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: P250049

Luminaire Tested: **LD8B200D010 ER8B200830 8LBNOWH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250049
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 ER8B200830 8LBN0WH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 3000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18710.9 lumens
Efficiency: N/A
Efficacy: 83.8 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

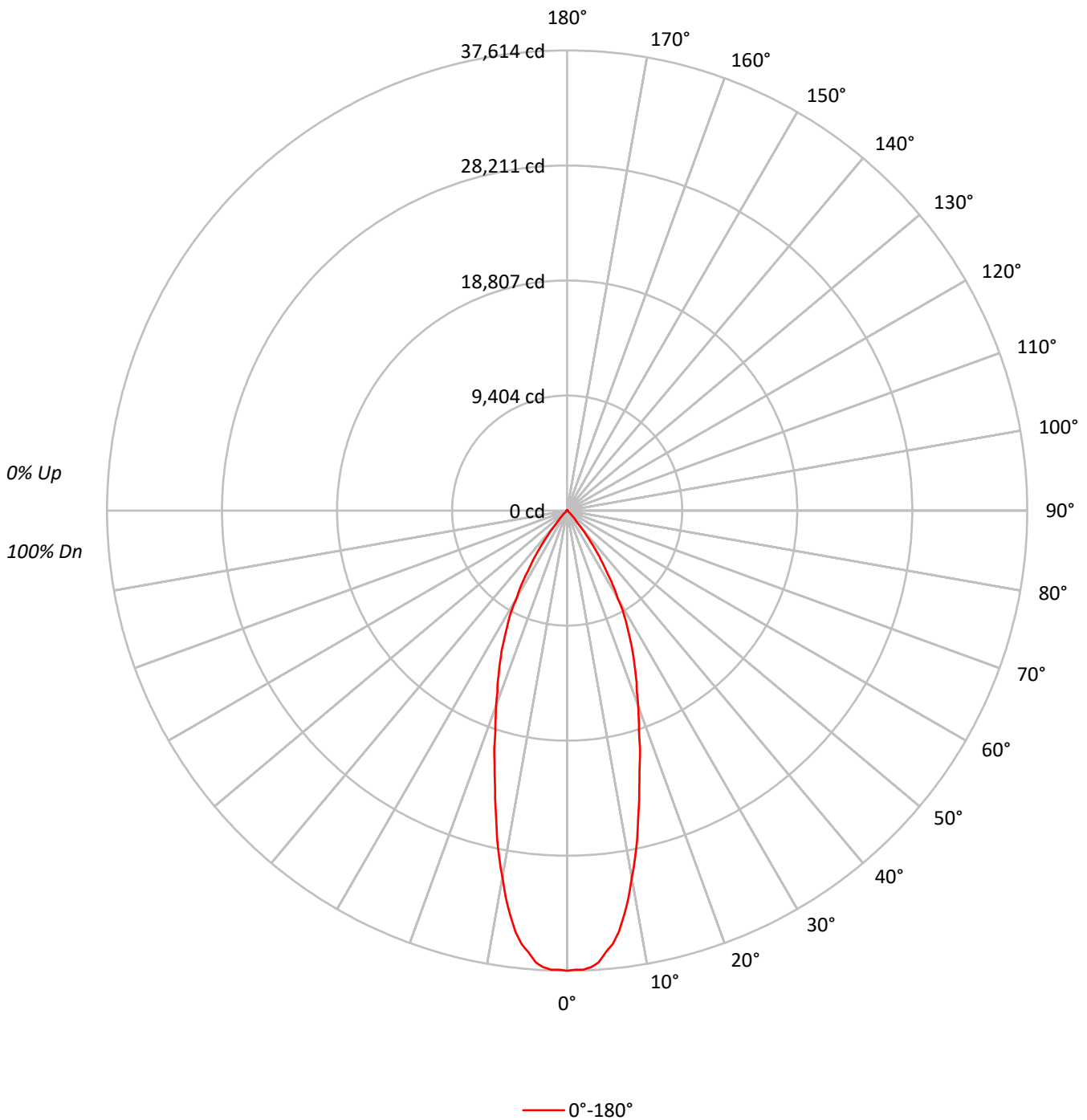
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1159868
5°	1121653
10°	953895
15°	728051
20°	556413
25°	431177
30°	294083
35°	172779
40°	52829
45°	20784
50°	312
55°	349
60°	401
65°	956
70°	1767
75°	1561
80°	1154
85°	6935



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3285.0	17.6
10°-20°	6365.6	34.0
20°-30°	5731.1	30.6
30°-40°	2835.5	15.2
40°-50°	431.3	2.3
50°-60°	17.7	0.1
60°-70°	22.8	0.1
70°-80°	8.6	0.0
80°-90°	13.4	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°	15381.7	82.2
0°-40°	18217.2	97.4
0°-60°	18666.2	99.8
0°-90°	18710.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18710.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	37614	
5°	36236	###
15°	22806	6366
25°	12673	5731
35°	4590	2835
45°	477	431
55°	6	18
65°	13	23
75°	13	9
85°	20	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	37613.7
1°	37535.4
2°	37554.7
3°	37365.4
4°	37019.5
5°	36236.0
6°	35635.3
7°	34682.2
8°	33402.5
9°	32070.4
10°	30464.2
11°	29027.9
12°	27487.2
13°	25783.0
14°	24314.0
15°	22805.7
16°	21519.5
17°	20383.6
18°	18986.3
19°	17961.1
20°	16955.9
21°	15911.1
22°	15147.3
23°	14259.3
24°	13443.1
25°	12672.7
26°	11765.1
27°	10949.2
28°	10217.8
29°	9414.7
30°	8259.2
31°	7606.4
32°	6783.6
33°	5882.6
34°	5197.0
35°	4589.8
37.5°	2905.3
40°	1312.4
42.5°	894.5
45°	476.6
47.5°	267.6
50°	6.5
52.5°	26.2
55°	6.5
57.5°	39.3



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CANDELA DISTRIBUTION (continued):

	0°
60°	6.5
62.5°	32.7
65°	13.1
67.5°	32.7
70°	19.6
72.5°	6.5
75°	13.1
77.5°	0.0
80°	6.5
82.5°	26.2
85°	19.6
87.5°	0.0
90°	0.0

(END OF REPORT)