

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: P250714

Luminaire Tested: **LD8B200D010 ER8B200827 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250714
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13935)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B200827 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20077.0 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

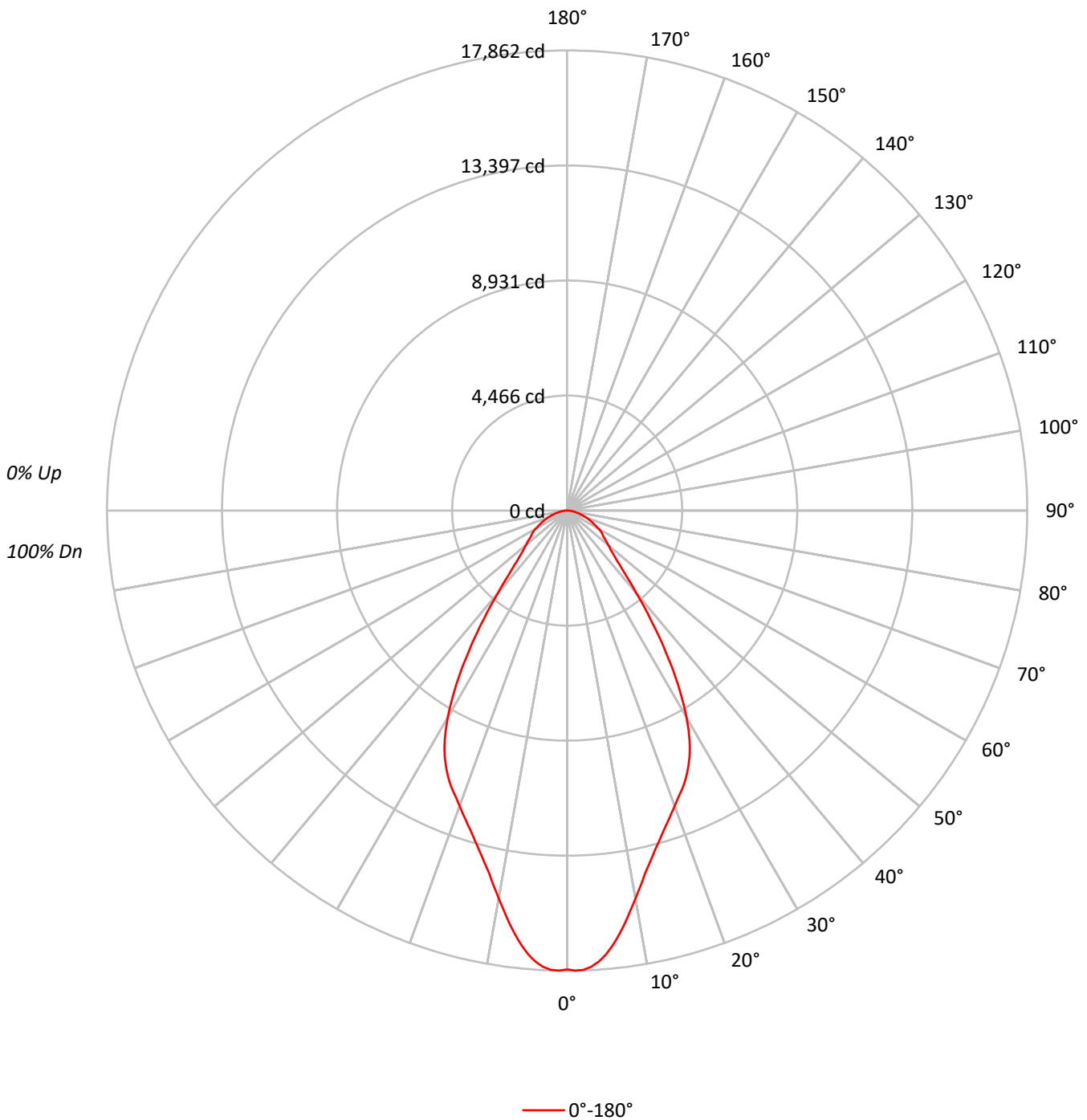
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65
5	85	75	68	63	83	74	67	62	72	66	62	70	65	61	69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	56	49	44	54	48	44	54	48	44	53	48	44	42
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	50	45	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	549173
5°	535268
10°	478529
15°	430027
20°	400475
25°	377283
30°	329885
35°	249927
40°	167883
45°	118298
50°	100316
55°	91502
60°	86687
65°	77985
70°	70171
75°	62979
80°	55707
85°	53460



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1582.8	7.9
10°-20°	3798.8	18.9
20°-30°	5034.1	25.1
30°-40°	4128.1	20.6
40°-50°	2198.6	11.0
50°-60°	1547.4	7.7
60°-70°	1067.1	5.3
70°-80°	555.7	2.8
80°-90°	164.4	0.8
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°	10415.7	51.9
0°-40°	14543.8	72.4
0°-60°	18289.8	91.1
0°-90°	20077.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20077.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17809	
5°	17292	###
15°	13470	3799
25°	11089	5034
35°	6639	4128
45°	2713	2199
55°	1702	1547
65°	1069	1067
75°	529	556
85°	151	164
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	17809.3
1°	17861.6
2°	17838.3
3°	17733.7
4°	17553.8
5°	17292.3
6°	16967.1
7°	16577.9
8°	16159.6
9°	15712.4
10°	15282.6
11°	14870.1
12°	14451.8
13°	14103.3
14°	13772.3
15°	13470.3
16°	13185.6
17°	12924.2
18°	12680.2
19°	12436.3
20°	12203.9
21°	11977.4
22°	11780.0
23°	11576.6
24°	11338.5
25°	11088.7
26°	10804.1
27°	10484.6
28°	10124.5
29°	9723.7
30°	9264.7
31°	8782.6
32°	8277.4
33°	7737.2
34°	7196.9
35°	6639.2
37.5°	5320.7
40°	4170.6
42.5°	3293.5
45°	2712.7
47.5°	2329.3
50°	2091.1
52.5°	1882.1
55°	1702.0
57.5°	1591.5



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CANDELA DISTRIBUTION (continued):

	0°
60°	1405.6
62.5°	1225.6
65°	1068.8
67.5°	929.4
70°	778.3
72.5°	650.5
75°	528.6
77.5°	383.3
80°	313.7
82.5°	226.6
85°	151.1
87.5°	69.6
90°	0.0

(END OF REPORT)