

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: P248044

Luminaire Tested: **LD8B200D010 ER8B200940 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248044
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13941)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B200940 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
90 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18204.1 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.9
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

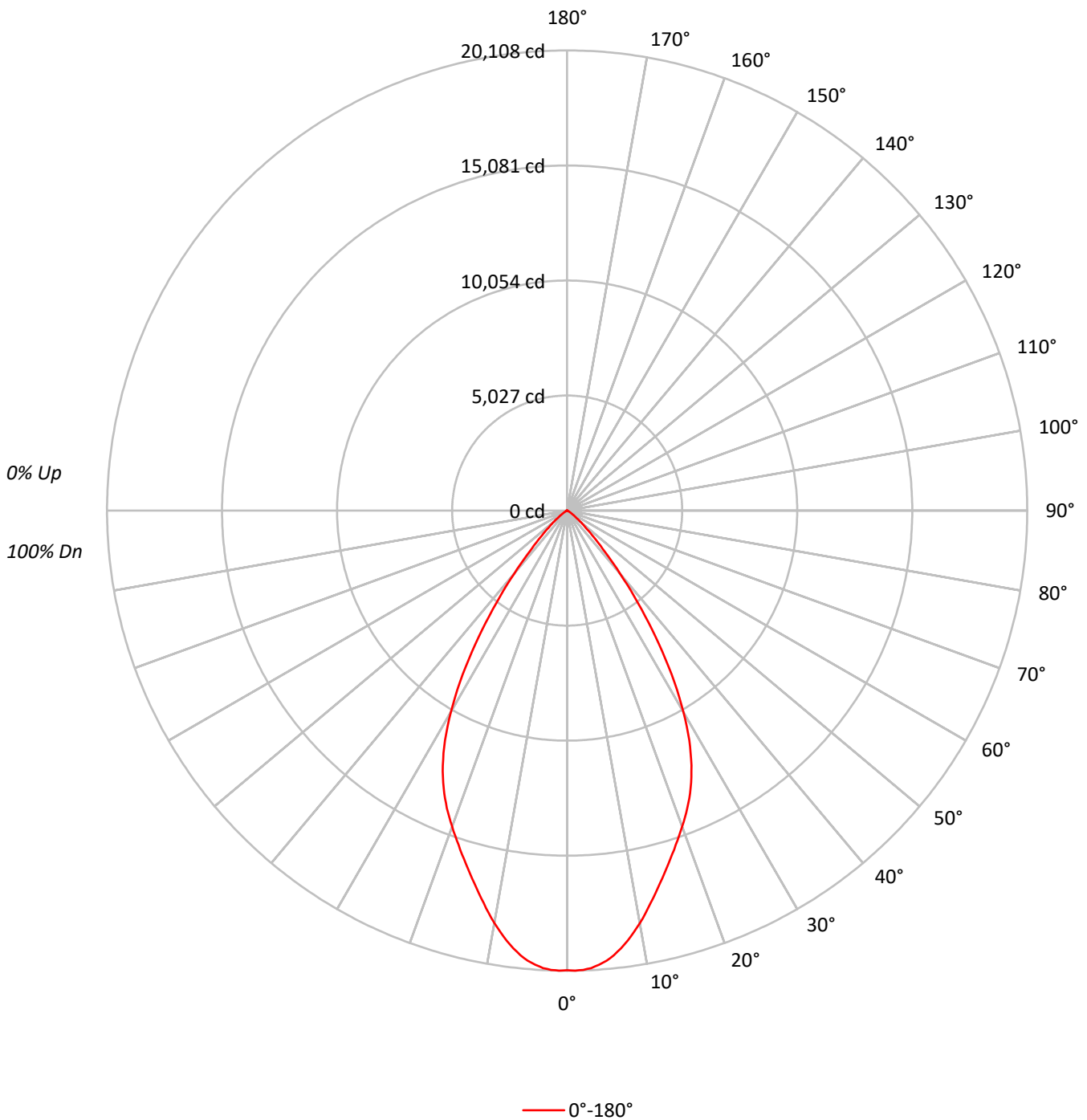
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80
4	97	89	83	79	95	88	82	78	86	81	77	84	80	77	82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72	79	74	71	77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66	74	69	66	73	69	65	64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	50	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	619193
5°	611223
10°	572994
15°	523983
20°	482375
25°	437108
30°	361949
35°	253850
40°	144459
45°	70852
50°	34967
55°	15854
60°	7549
65°	4064
70°	505
75°	667
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1837.5	10.1
10°-20°	4607.6	25.3
20°-30°	5816.4	32.0
30°-40°	4184.2	23.0
40°-50°	1384.8	7.6
50°-60°	301.6	1.7
60°-70°	62.2	0.3
70°-80°	6.6	0.0
80°-90°	3.0	0.0
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°	12261.5	67.4
0°-40°	16445.7	90.3
0°-60°	18132.1	99.6
0°-90°	18204.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18204.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20080	
5°	19746	###
15°	16413	4608
25°	12847	5816
35°	6743	4184
45°	1625	1385
55°	295	302
65°	56	62
75°	6	7
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	20080.0
1°	20107.8
2°	20085.5
3°	20018.8
4°	19896.4
5°	19746.1
6°	19540.2
7°	19273.3
8°	18978.3
9°	18655.6
10°	18299.5
11°	17937.9
12°	17542.8
13°	17164.5
14°	16780.6
15°	16413.4
16°	16051.7
17°	15706.7
18°	15361.9
19°	15033.5
20°	14699.7
21°	14360.3
22°	14026.5
23°	13664.8
24°	13275.4
25°	12847.0
26°	12396.2
27°	11895.5
28°	11367.0
29°	10777.1
30°	10165.2
31°	9519.8
32°	8841.0
33°	8128.8
34°	7433.3
35°	6743.4
37.5°	5063.1
40°	3588.7
42.5°	2431.4
45°	1624.7
47.5°	1090.5
50°	728.9
52.5°	439.6
55°	294.9
57.5°	205.8



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CANDELA DISTRIBUTION (continued):

	0°
60°	122.4
62.5°	83.5
65°	55.7
67.5°	50.1
70°	5.6
72.5°	11.2
75°	5.6
77.5°	5.6
80°	0.0
82.5°	11.2
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)