

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: P250602

Luminaire Tested: **LD8B200D010 ER8B200940 8LBM0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250602
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13928)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B200940 8LBM0B
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
90 CRI 4000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12120.0 lumens
Efficiency: N/A
Efficacy: 54.3 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.87
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

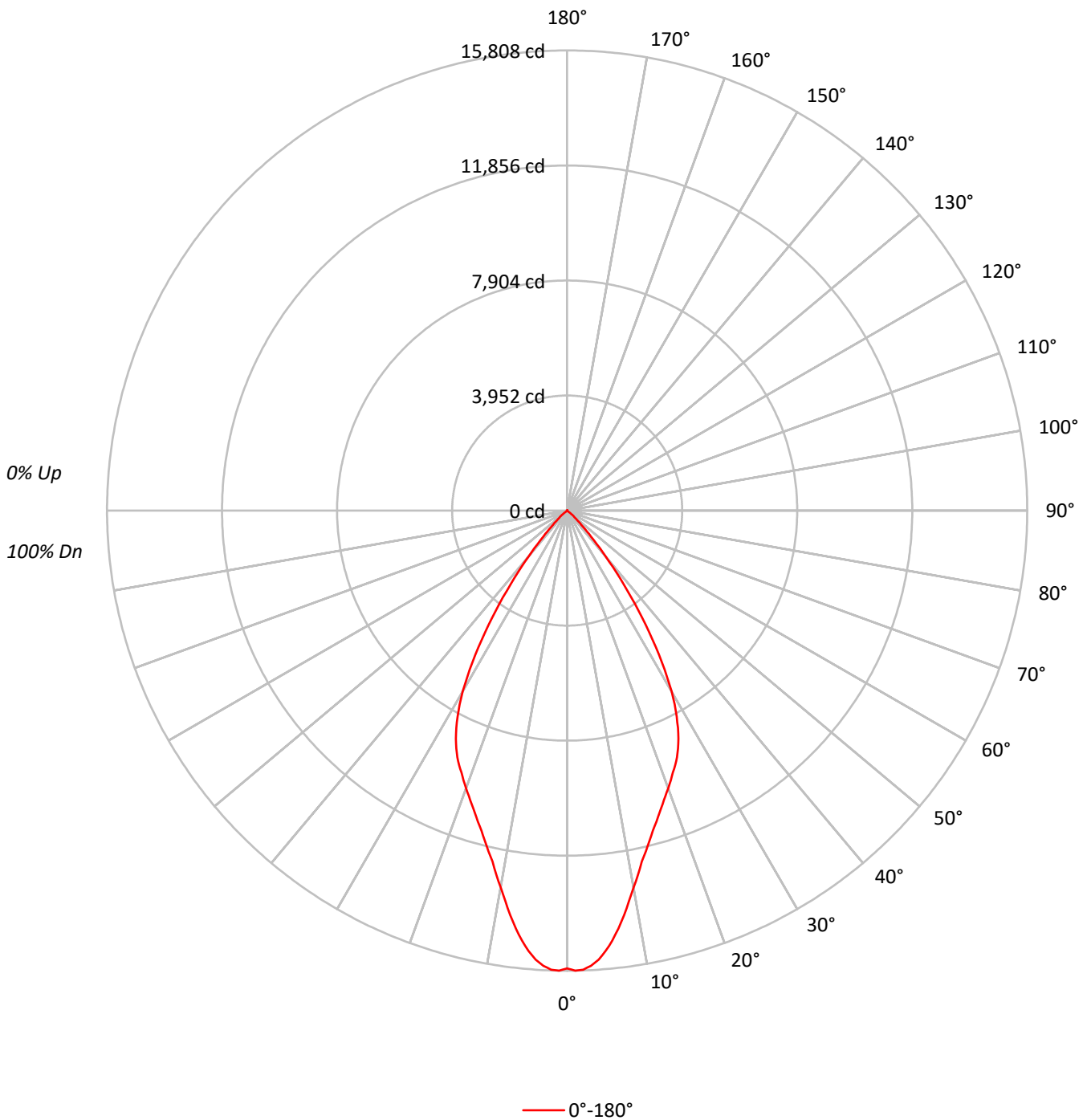
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	96	92	88	101	95	91	87	92	89	86	90	87	84	88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	77	76
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	72	71
6	88	79	74	69	87	79	73	69	77	72	69	76	71	68	74	71	68	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	70	66	63	62
8	80	70	64	60	79	70	64	60	69	64	60	68	63	60	67	63	60	58
9	76	66	61	57	75	66	60	57	65	60	56	64	60	56	63	59	56	55
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	484935
5°	470109
10°	411722
15°	363491
20°	333082
25°	306693
30°	255264
35°	169549
40°	82517
45°	29885
50°	8990
55°	629
60°	0
65°	430
70°	0
75°	0
80°	1048
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1381.3	11.4
10°-20°	3207.9	26.5
20°-30°	4069.6	33.6
30°-40°	2788.0	23.0
40°-50°	635.3	5.2
50°-60°	31.7	0.3
60°-70°	1.5	0.0
70°-80°	2.3	0.0
80°-90°	2.4	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°	8658.8	71.4
0°-40°	11446.8	94.4
0°-60°	12113.8	99.9
0°-90°	12120.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12120.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15726	
5°	15187	###
15°	11386	3208
25°	9014	4070
35°	4504	2788
45°	685	635
55°	12	32
65°	6	1
75°	0	2
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	15726.1
1°	15808.1
2°	15778.7
3°	15661.6
4°	15462.4
5°	15187.3
6°	14853.4
7°	14466.8
8°	14039.2
9°	13582.3
10°	13149.0
11°	12750.7
12°	12323.2
13°	12012.8
14°	11684.7
15°	11386.1
16°	11116.7
17°	10853.0
18°	10607.0
19°	10366.9
20°	10150.2
21°	9927.6
22°	9699.2
23°	9500.1
24°	9277.5
25°	9014.0
26°	8721.1
27°	8381.4
28°	8018.3
29°	7614.1
30°	7169.0
31°	6665.3
32°	6144.0
33°	5599.3
34°	5042.8
35°	4504.0
37.5°	3180.4
40°	2049.9
42.5°	1206.5
45°	685.3
47.5°	369.0
50°	187.4
52.5°	35.1
55°	11.7
57.5°	5.9



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CANDELA DISTRIBUTION (continued):

	0°
60°	0.0
62.5°	0.0
65°	5.9
67.5°	0.0
70°	0.0
72.5°	5.9
75°	0.0
77.5°	0.0
80°	5.9
82.5°	0.0
85°	0.0
87.5°	5.9
90°	0.0

(END OF REPORT)