

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: P250608

Luminaire Tested: **LD8B175D010 ER8B175950 8LBM0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250608
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: LD8B175D010 ER8B175950 8LBM0B
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
90 CRI 5000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10646.0 lumens
Efficiency: N/A
Efficacy: 60.1 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

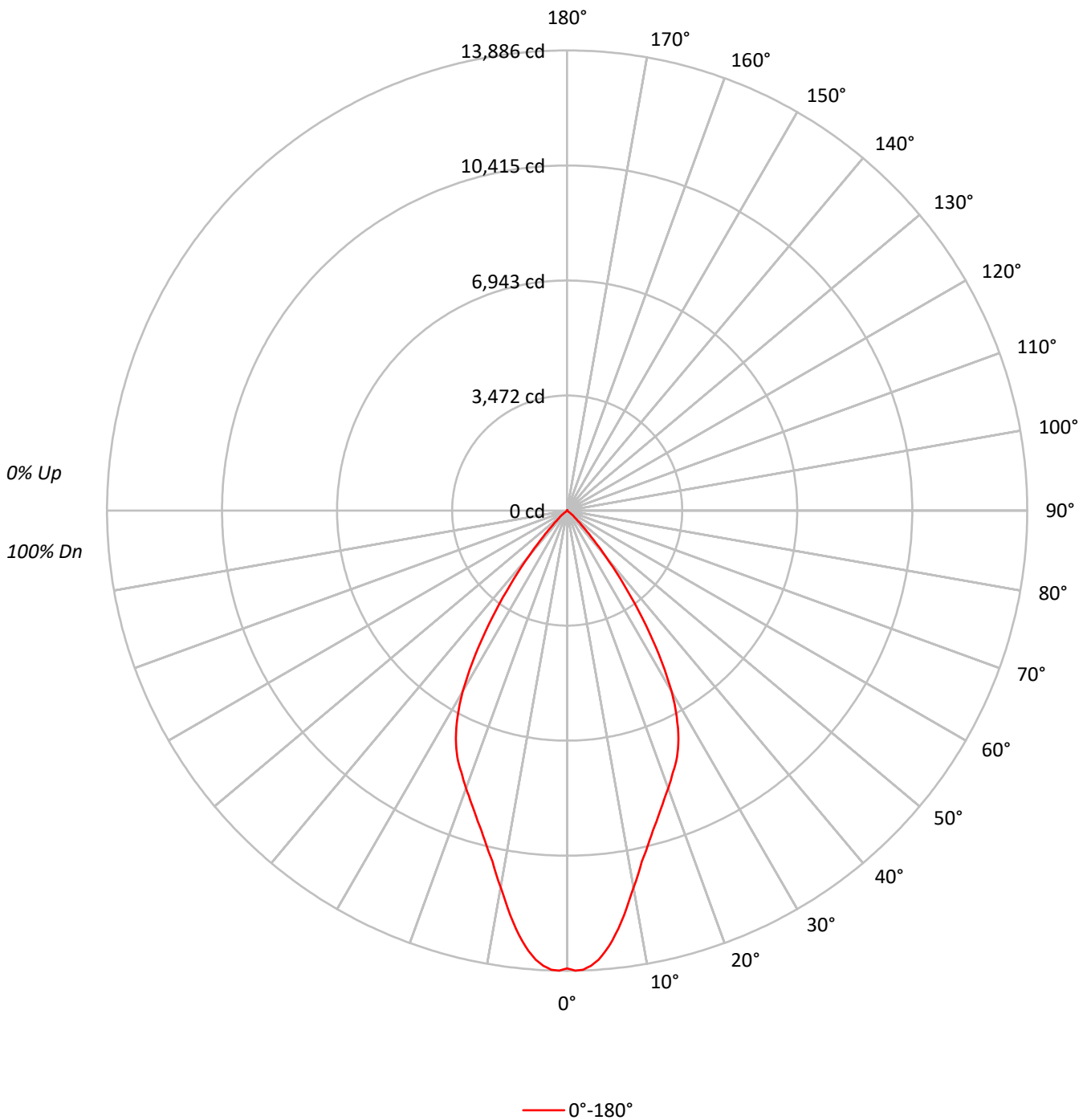
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250608

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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°	425957
5°	412934
10°	361648
15°	319283
20°	292572
25°	269393
30°	224219
35°	148928
40°	72481
45°	26253
50°	7901
55°	554
60°	0
65°	379
70°	0
75°	0
80°	923
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1213.3	11.4
10°-20°	2817.7	26.5
20°-30°	3574.7	33.6
30°-40°	2448.9	23.0
40°-50°	558.1	5.2
50°-60°	27.8	0.3
60°-70°	1.3	0.0
70°-80°	2.1	0.0
80°-90°	2.1	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°	7605.7	71.4
0°-40°	10054.6	94.4
0°-60°	10640.6	99.9
0°-90°	10646.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10646.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13814	
5°	13340	###
15°	10001	2818
25°	7918	3575
35°	3956	2449
45°	602	558
55°	10	28
65°	5	1
75°	0	2
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13813.5
1°	13885.6
2°	13859.8
3°	13756.9
4°	13581.9
5°	13340.2
6°	13046.9
7°	12707.4
8°	12331.8
9°	11930.5
10°	11549.8
11°	11200.0
12°	10824.5
13°	10551.8
14°	10263.7
15°	10001.3
16°	9764.7
17°	9533.1
18°	9317.0
19°	9106.1
20°	8915.7
21°	8720.2
22°	8519.6
23°	8344.7
24°	8149.2
25°	7917.7
26°	7660.4
27°	7362.1
28°	7043.1
29°	6688.1
30°	6297.1
31°	5854.7
32°	5396.8
33°	4918.3
34°	4429.5
35°	3956.2
37.5°	2793.6
40°	1800.6
42.5°	1059.8
45°	602.0
47.5°	324.1
50°	164.7
52.5°	30.8
55°	10.3
57.5°	5.2



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CANDELA DISTRIBUTION (continued):

	0°
60°	0.0
62.5°	0.0
65°	5.2
67.5°	0.0
70°	0.0
72.5°	5.2
75°	0.0
77.5°	0.0
80°	5.2
82.5°	0.0
85°	0.0
87.5°	5.2
90°	0.0

(END OF REPORT)