

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: P250762

Luminaire Tested: **LD8B175D010 ER8B175935 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250762
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: LD8B175D010 ER8B175935 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
90 CRI 3500 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15482.0 lumens
Efficiency: N/A
Efficacy: 87.4 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

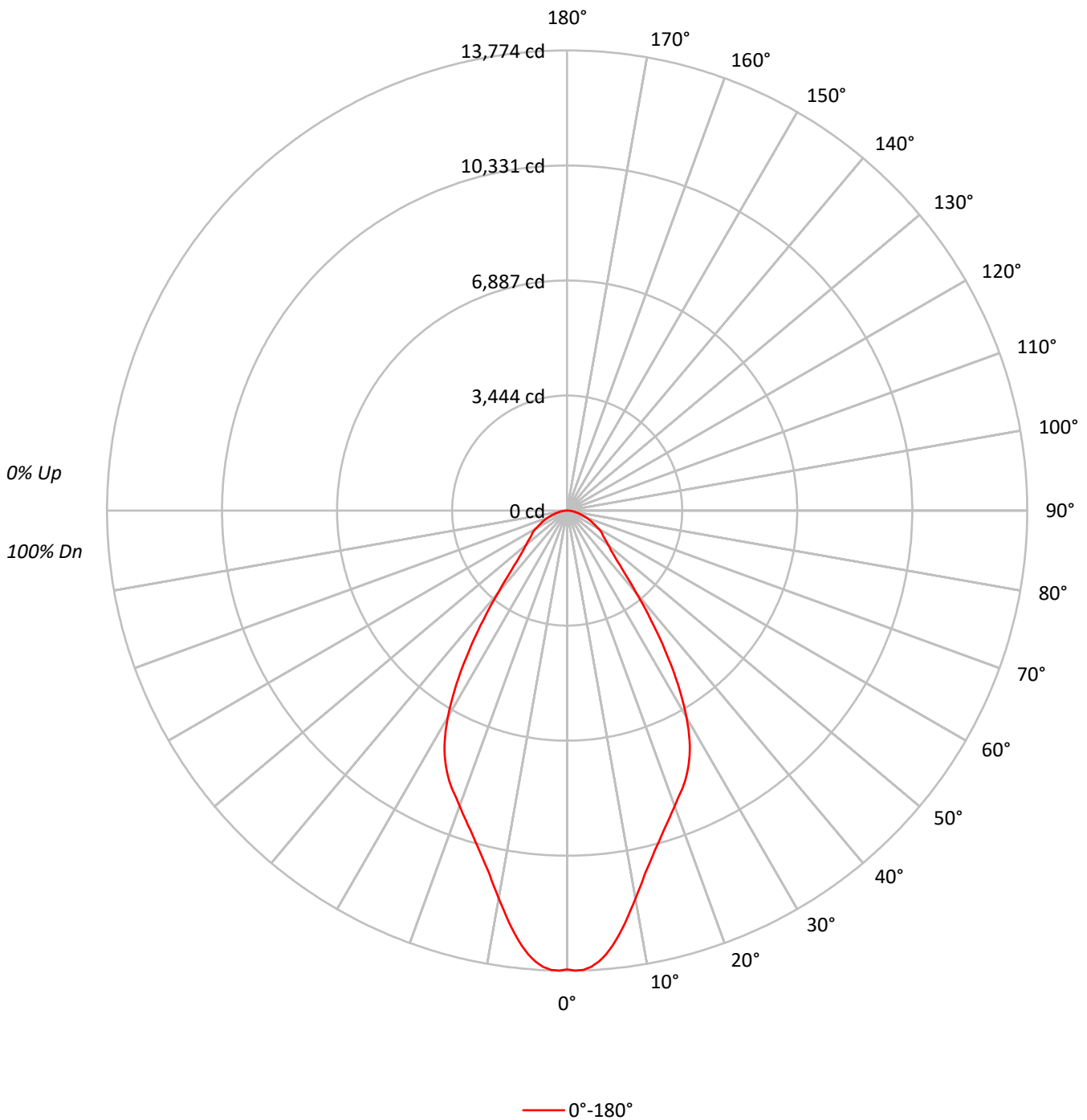
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	423484
5°	412761
10°	369009
15°	331608
20°	308818
25°	290933
30°	254385
35°	192727
40°	129461
45°	91222
50°	77356
55°	70557
60°	66847
65°	60138
70°	54114
75°	48562
80°	42956
85°	41219



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1220.5	7.9
10°-20°	2929.4	18.9
20°-30°	3882.0	25.1
30°-40°	3183.3	20.6
40°-50°	1695.4	11.0
50°-60°	1193.3	7.7
60°-70°	822.9	5.3
70°-80°	428.5	2.8
80°-90°	126.8	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°	8031.9	51.9
0°-40°	11215.2	72.4
0°-60°	14103.8	91.1
0°-90°	15482.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15482.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13733	
5°	13335	###
15°	10387	2929
25°	8551	3882
35°	5120	3183
45°	2092	1695
55°	1312	1193
65°	824	823
75°	408	429
85°	116	127
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13733.3
1°	13773.7
2°	13755.7
3°	13675.0
4°	13536.3
5°	13334.6
6°	13083.8
7°	12783.8
8°	12461.2
9°	12116.3
10°	11784.9
11°	11466.8
12°	11144.3
13°	10875.5
14°	10620.3
15°	10387.4
16°	10167.8
17°	9966.3
18°	9778.1
19°	9590.0
20°	9410.8
21°	9236.1
22°	9083.9
23°	8927.1
24°	8743.5
25°	8550.8
26°	8331.4
27°	8085.0
28°	7807.3
29°	7498.2
30°	7144.3
31°	6772.6
32°	6382.9
33°	5966.4
34°	5549.8
35°	5119.7
37.5°	4103.0
40°	3216.1
42.5°	2539.7
45°	2091.8
47.5°	1796.2
50°	1612.5
52.5°	1451.3
55°	1312.4
57.5°	1227.3



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CANDELA DISTRIBUTION (continued):

	0°
60°	1083.9
62.5°	945.1
65°	824.2
67.5°	716.7
70°	600.2
72.5°	501.6
75°	407.6
77.5°	295.6
80°	241.9
82.5°	174.7
85°	116.5
87.5°	53.7
90°	0.0

(END OF REPORT)