

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: P250706

Luminaire Tested: **LD8B175D010 ER8B175930 8LBN0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250706
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P131425)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B175930 8LBN0MW
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13552.9 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

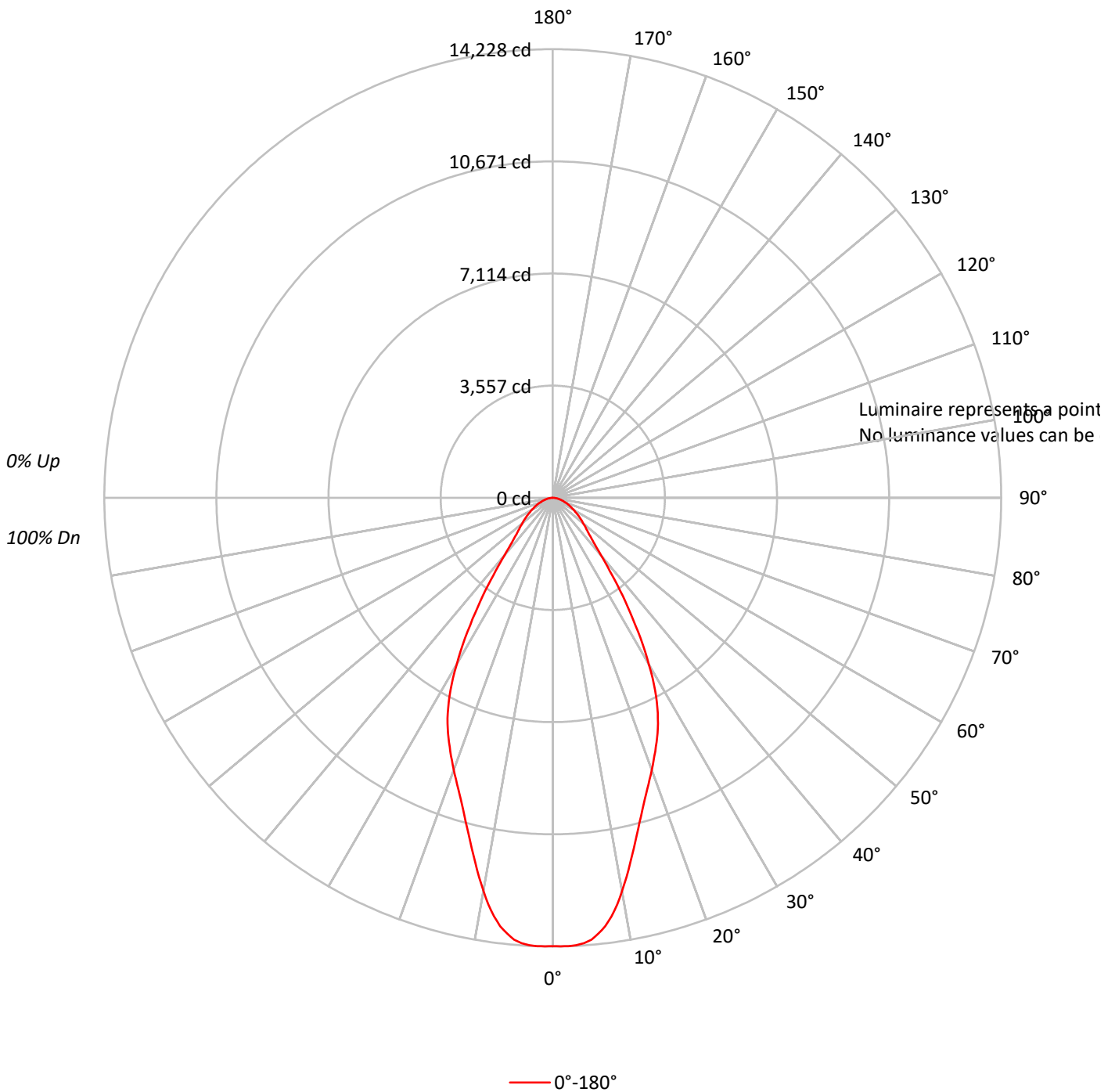
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	103	109	106	104	101	102	100	98	98	97	95	95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67
5	87	78	71	66	85	77	70	65	75	69	65	73	68	64	71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57
7	78	67	60	56	76	67	60	55	65	59	55	64	59	55	63	58	54	53
8	74	63	56	52	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1298.0	9.6
10°-20°	2994.9	22.1
20°-30°	3569.5	26.3
30°-40°	2519.6	18.6
40°-50°	1301.2	9.6
50°-60°	892.9	6.6
60°-70°	580.5	4.3
70°-80°	303.9	2.2
80°-90°	92.3	0.7
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°	7862.4	58.0
0°-40°	10382.0	76.6
0°-60°	12576.1	92.8
0°-90°	13552.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13552.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14219	
5°	14063	###
15°	10651	2995
25°	7901	3569
35°	4004	2520
45°	1626	1301
55°	990	893
65°	584	581
75°	281	304
85°	78	92
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14218.8
1°	14227.5
2°	14227.5
3°	14205.8
4°	14158.2
5°	14063.1
6°	13894.5
7°	13686.8
8°	13401.3
9°	13055.6
10°	12666.4
11°	12255.4
12°	11827.2
13°	11416.6
14°	11018.6
15°	10651.2
16°	10309.5
17°	9993.8
18°	9708.4
19°	9440.3
20°	9180.8
21°	8925.6
22°	8674.9
23°	8424.1
24°	8169.0
25°	7900.8
26°	7597.9
27°	7269.3
28°	6910.5
29°	6529.9
30°	6097.3
31°	5678.0
32°	5249.8
33°	4808.8
34°	4402.2
35°	4004.5
37.5°	3083.4
40°	2374.2
42.5°	1911.4
45°	1626.0
47.5°	1422.7
50°	1262.8
52.5°	1124.4
55°	990.3
57.5°	869.3



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CANDELA DISTRIBUTION (continued):

	0°
60°	769.7
62.5°	670.4
65°	583.8
67.5°	505.9
70°	406.6
72.5°	350.3
75°	281.1
77.5°	229.1
80°	177.2
82.5°	129.7
85°	77.9
87.5°	43.2
90°	0.0

(END OF REPORT)