

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: P250692

Luminaire Tested: **LD8B175D010 ER8B175950 8LBN0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250692
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 ER8B175950 8LBN0MW
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 5000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15134.0 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.85
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

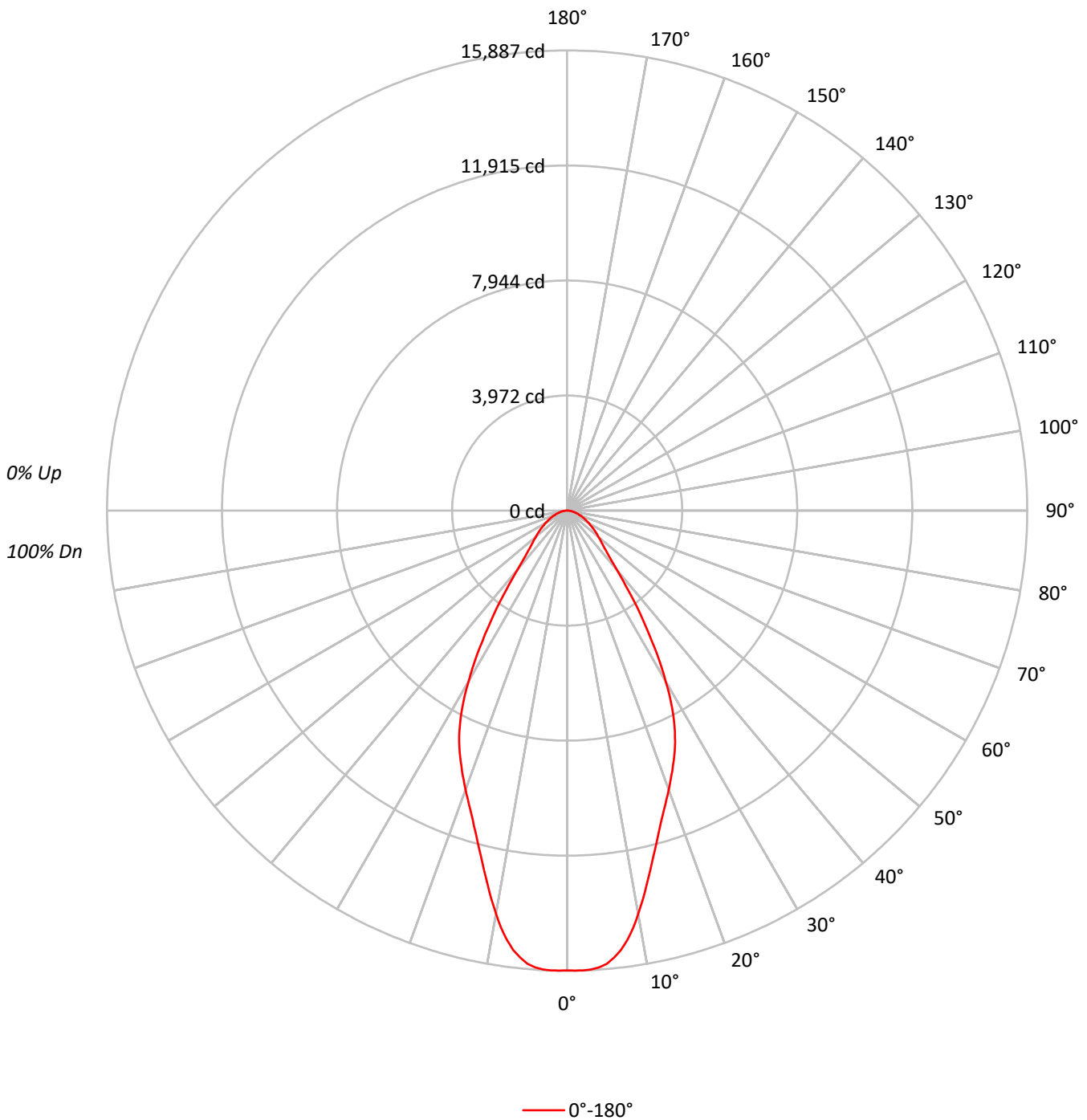
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250692

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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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	112	109	106	103	109	106	104	101	102	100	98	98	97	95	95	94	92	90				90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	82				82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74				74
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67				67
5	87	78	71	66	85	77	70	65	75	69	65	73	68	64	71	67	64	62				62
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57				57
7	78	67	60	56	76	67	60	55	65	59	55	64	59	55	63	58	54	53				53
8	74	63	56	52	72	62	56	51	61	55	51	60	55	51	59	54	51	49				49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46				46
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43				43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	489607
5°	486094
10°	442880
15°	379699
20°	336416
25°	300178
30°	242435
35°	168334
40°	106721
45°	79181
50°	67646
55°	59455
60°	53008
65°	47566
70°	40932
75°	37411
80°	35143
85°	30781



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1449.4	9.6
10°-20°	3344.3	22.1
20°-30°	3985.9	26.3
30°-40°	2813.6	18.6
40°-50°	1453.0	9.6
50°-60°	997.1	6.6
60°-70°	648.2	4.3
70°-80°	339.4	2.2
80°-90°	103.1	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°	8779.6	58.0
0°-40°	11593.2	76.6
0°-60°	14043.3	92.8
0°-90°	15134.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15134.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15878	
5°	15704	###
15°	11894	3344
25°	8822	3986
35°	4472	2814
45°	1816	1453
55°	1106	997
65°	652	648
75°	314	339
85°	87	103
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	15877.6
1°	15887.3
2°	15887.3
3°	15863.1
4°	15810.0
5°	15703.7
6°	15515.4
7°	15283.6
8°	14964.8
9°	14578.6
10°	14144.1
11°	13685.2
12°	13207.0
13°	12748.4
14°	12304.2
15°	11893.8
16°	11512.2
17°	11159.8
18°	10841.0
19°	10541.5
20°	10251.8
21°	9966.9
22°	9686.9
23°	9406.8
24°	9121.9
25°	8822.5
26°	8484.4
27°	8117.4
28°	7716.7
29°	7291.7
30°	6808.7
31°	6340.4
32°	5862.2
33°	5369.7
34°	4915.8
35°	4471.7
37.5°	3443.1
40°	2651.2
42.5°	2134.5
45°	1815.7
47.5°	1588.7
50°	1410.1
52.5°	1255.6
55°	1105.9
57.5°	970.7



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CANDELA DISTRIBUTION (continued):

	0°
60°	859.5
62.5°	748.5
65°	651.9
67.5°	564.9
70°	454.0
72.5°	391.2
75°	314.0
77.5°	255.8
80°	197.9
82.5°	144.9
85°	87.0
87.5°	48.2
90°	0.0

(END OF REPORT)