

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: P250041

Luminaire Tested: **LD8B175D010 ER8B175827 8LBNOWH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250041
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13946)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B175827 8LBN0WH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 2700 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15486.0 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.66
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

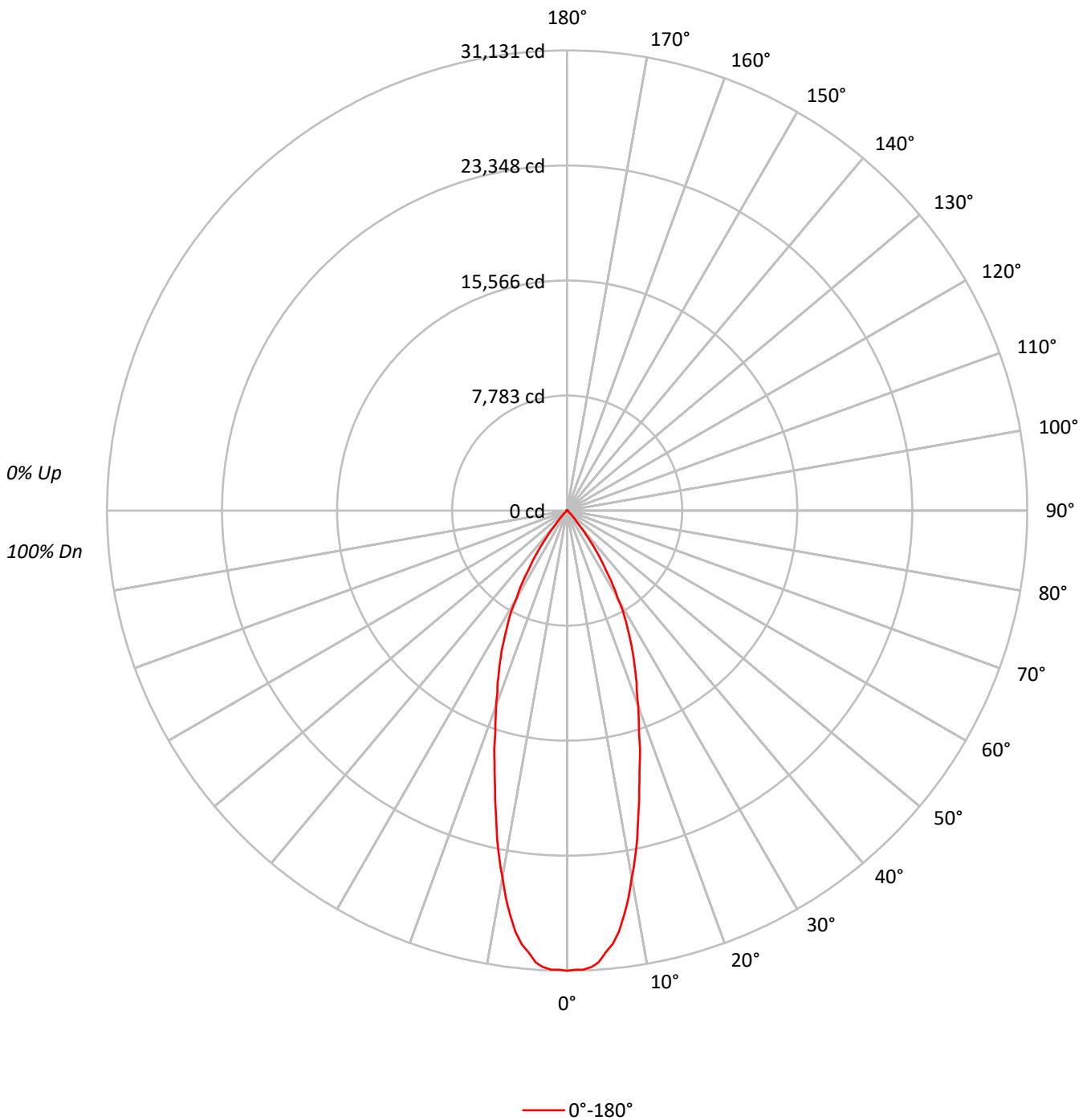
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	105	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	85
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76
6	92	84	79	75	90	83	78	74	82	77	74	80	76	74	79	76	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	65
9	81	72	67	64	80	72	67	64	71	66	63	70	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	63	60	67	63	60	67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	959953
5°	928326
10°	789482
15°	602567
20°	460511
25°	356862
30°	243393
35°	142999
40°	43724
45°	17199
50°	259
55°	290
60°	333
65°	788
70°	1470
75°	1287
80°	959
85°	5767



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2718.8	17.6
10°-20°	5268.4	34.0
20°-30°	4743.3	30.6
30°-40°	2346.8	15.2
40°-50°	357.0	2.3
50°-60°	14.7	0.1
60°-70°	18.9	0.1
70°-80°	7.1	0.0
80°-90°	11.1	0.1
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°	12730.5	82.2
0°-40°	15077.3	97.4
0°-60°	15448.9	99.8
0°-90°	15486.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15486.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	31131	
5°	29990	###
15°	18875	5268
25°	10488	4743
35°	3799	2347
45°	394	357
55°	5	15
65°	11	19
75°	11	7
85°	16	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	31130.6
1°	31065.8
2°	31081.8
3°	30925.2
4°	30638.9
5°	29990.4
6°	29493.3
7°	28704.4
8°	27645.3
9°	26542.8
10°	25213.4
11°	24024.7
12°	22749.5
13°	21339.1
14°	20123.3
15°	18875.0
16°	17810.4
17°	16870.3
18°	15713.9
19°	14865.4
20°	14033.4
21°	13168.7
22°	12536.5
23°	11801.6
24°	11126.1
25°	10488.5
26°	9737.3
27°	9062.0
28°	8456.7
29°	7792.0
30°	6835.6
31°	6295.4
32°	5614.4
33°	4868.7
34°	4301.3
35°	3798.7
37.5°	2404.5
40°	1086.2
42.5°	740.3
45°	394.4
47.5°	221.5
50°	5.4
52.5°	21.7
55°	5.4
57.5°	32.5



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CANDELA DISTRIBUTION (continued):

	0°
60°	5.4
62.5°	27.1
65°	10.8
67.5°	27.1
70°	16.3
72.5°	5.4
75°	10.8
77.5°	0.0
80°	5.4
82.5°	21.7
85°	16.3
87.5°	0.0
90°	0.0

(END OF REPORT)