

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: P250615

Luminaire Tested: **LD8B175D010 ER8B175927 8LBM0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250615
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 ER8B175927 8LBM0B
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
97 CRI 2700 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9042.7 lumens
Efficiency: N/A
Efficacy: 51.0 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.87
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

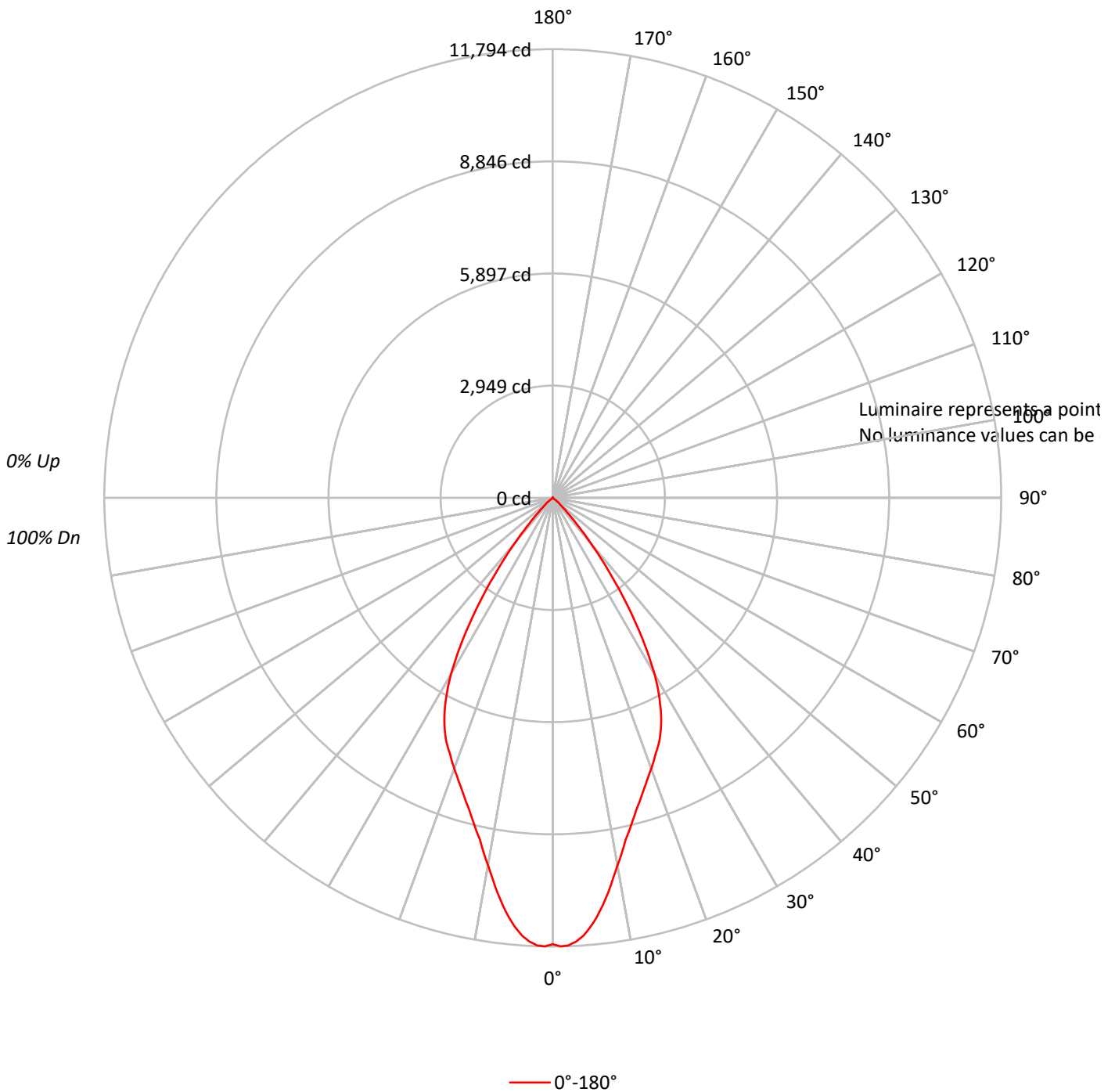
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1030.6	11.4
10°-20°	2393.4	26.5
20°-30°	3036.4	33.6
30°-40°	2080.1	23.0
40°-50°	474.0	5.2
50°-60°	23.6	0.3
60°-70°	1.1	0.0
70°-80°	1.7	0.0
80°-90°	1.8	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°	6460.3	71.4
0°-40°	8540.5	94.4
0°-60°	9038.1	99.9
0°-90°	9042.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9042.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11733	
5°	11331	###
15°	8495	2393
25°	6725	3036
35°	3360	2080
45°	511	474
55°	9	24
65°	4	1
75°	0	2
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11733.3
1°	11794.4
2°	11772.6
3°	11685.2
4°	11536.5
5°	11331.2
6°	11082.2
7°	10793.7
8°	10474.6
9°	10133.8
10°	9810.4
11°	9513.3
12°	9194.4
13°	8962.8
14°	8718.0
15°	8495.2
16°	8294.2
17°	8097.4
18°	7913.9
19°	7734.7
20°	7573.0
21°	7407.0
22°	7236.6
23°	7088.1
24°	6922.0
25°	6725.4
26°	6506.8
27°	6253.4
28°	5982.4
29°	5680.9
30°	5348.8
31°	4973.0
32°	4584.0
33°	4177.7
34°	3762.4
35°	3360.5
37.5°	2372.8
40°	1529.4
42.5°	900.2
45°	511.3
47.5°	275.3
50°	139.8
52.5°	26.2
55°	8.8
57.5°	4.4



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CANDELA DISTRIBUTION (continued):

	0°
60°	0.0
62.5°	0.0
65°	4.4
67.5°	0.0
70°	0.0
72.5°	4.4
75°	0.0
77.5°	0.0
80°	4.4
82.5°	0.0
85°	0.0
87.5°	4.4
90°	0.0

(END OF REPORT)