

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: P248019

Luminaire Tested: **LD8B175D010 ER8B175827 8LBM0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248019  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13941)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B175D010 ER8B175827 8LBM0WMH  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 2700 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16266.1 lumens  
Efficiency: N/A  
Efficacy: 91.8 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.9  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

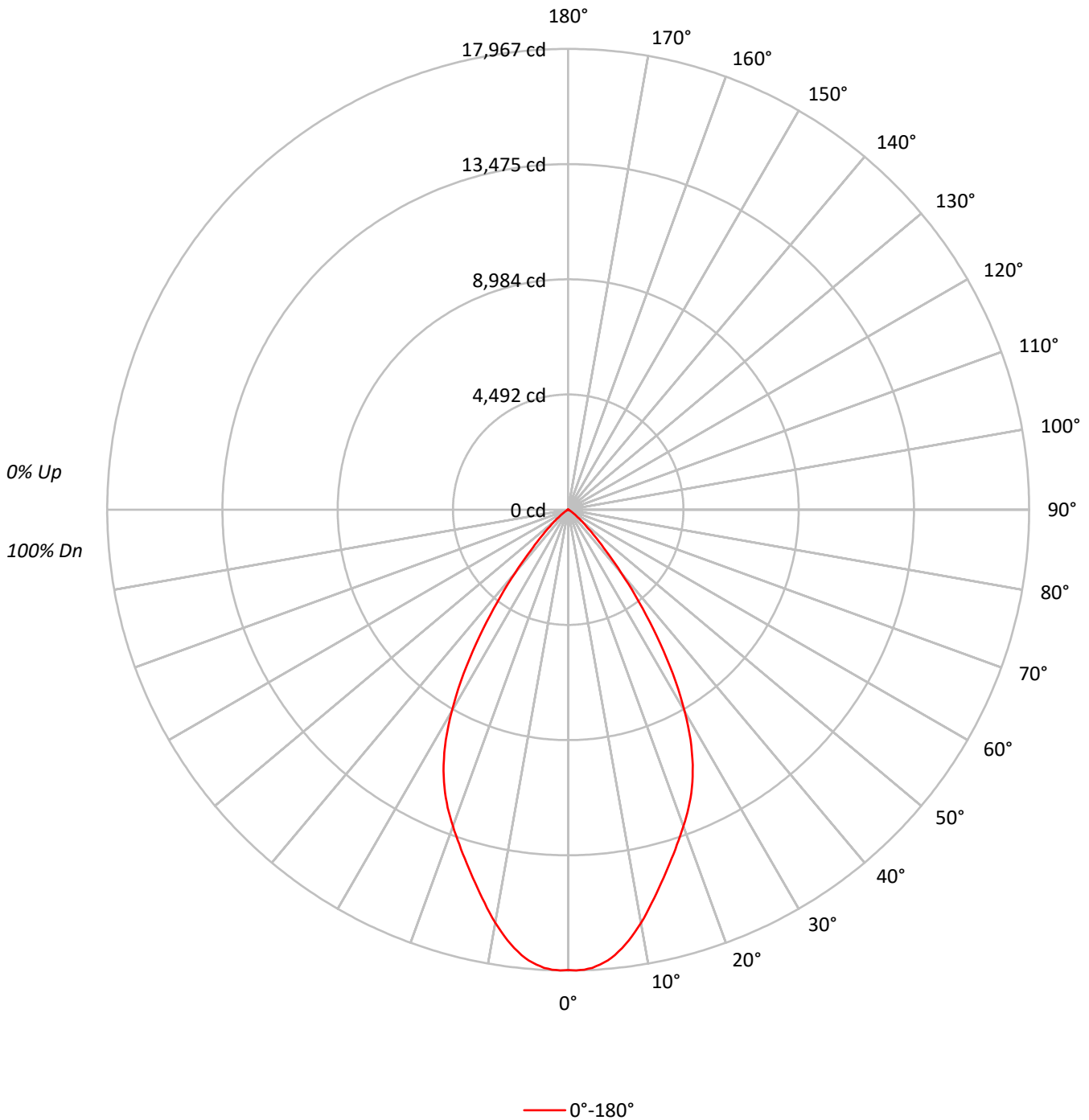
Input Watts (W): 177.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80
4	97	89	83	79	95	88	82	78	86	81	77	84	80	77	82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72	79	74	71	77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66	74	69	66	73	69	65	64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	50	49

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	553274
5°	546151
10°	511992
15°	468199
20°	431023
25°	390573
30°	323416
35°	226825
40°	129082
45°	63307
50°	31245
55°	14166
60°	6747
65°	3634
70°	451
75°	596
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1641.9	10.1
10°-20°	4117.0	25.3
20°-30°	5197.2	32.0
30°-40°	3738.7	23.0
40°-50°	1237.4	7.6
50°-60°	269.5	1.7
60°-70°	55.6	0.3
70°-80°	5.9	0.0
80°-90°	2.7	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°	10956.1	67.4
0°-40°	14694.9	90.3
0°-60°	16201.8	99.6
0°-90°	16266.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16266.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	17942	
5°	17644	###
15°	14666	4117
25°	11479	5197
35°	6026	3739
45°	1452	1237
55°	264	270
65°	50	56
75°	5	6
85°	0	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	17942.3
1°	17967.1
2°	17947.2
3°	17887.6
4°	17778.2
5°	17643.9
6°	17460.0
7°	17221.4
8°	16957.8
9°	16669.5
10°	16351.3
11°	16028.2
12°	15675.2
13°	15337.2
14°	14994.1
15°	14666.0
16°	14342.8
17°	14034.6
18°	13726.4
19°	13433.0
20°	13134.8
21°	12831.5
22°	12533.2
23°	12210.0
24°	11862.1
25°	11479.3
26°	11076.5
27°	10629.1
28°	10156.9
29°	9629.8
30°	9083.0
31°	8506.3
32°	7899.8
33°	7263.4
34°	6642.0
35°	6025.5
37.5°	4524.1
40°	3206.7
42.5°	2172.6
45°	1451.7
47.5°	974.4
50°	651.3
52.5°	392.8
55°	263.5
57.5°	183.9



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	109.4
62.5°	74.6
65°	49.8
67.5°	44.8
70°	5.0
72.5°	10.0
75°	5.0
77.5°	5.0
80°	0.0
82.5°	10.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)