

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: P248046

Luminaire Tested: **LD8B175D010 ER8B175950 8LBM0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248046  
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 ER8B175950 8LBM0WMH  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 5000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15989.0 lumens  
Efficiency: N/A  
Efficacy: 90.2 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

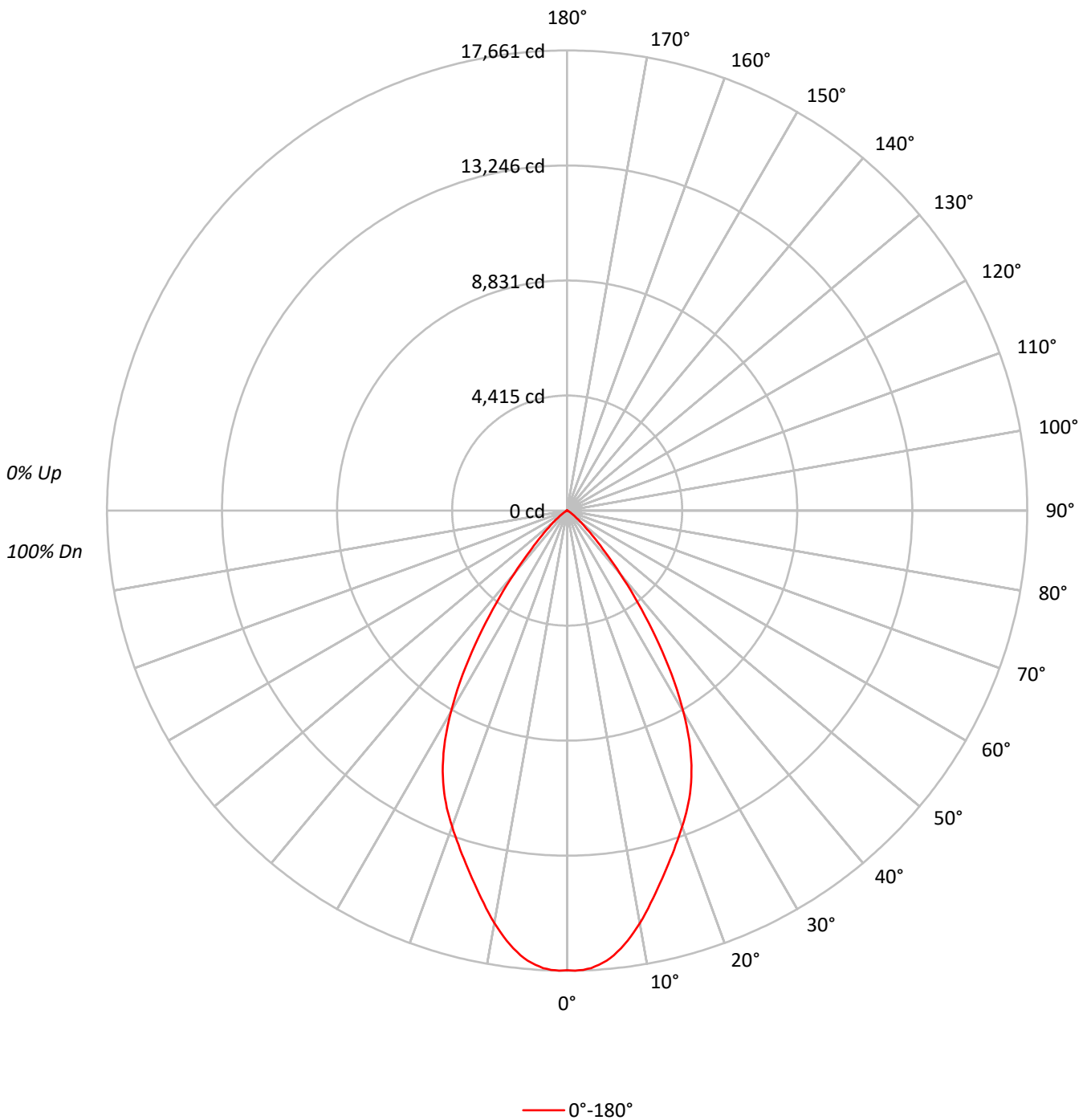
Input Watts (W): 177.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	543854
5°	536849
10°	503275
15°	460227
20°	423682
25°	383921
30°	317907
35°	222959
40°	126884
45°	62230
50°	30712
55°	13924
60°	6630
65°	3568
70°	442
75°	584
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1614.0	10.1
10°-20°	4046.9	25.3
20°-30°	5108.7	32.0
30°-40°	3675.0	23.0
40°-50°	1216.4	7.6
50°-60°	264.9	1.7
60°-70°	54.7	0.3
70°-80°	5.8	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°	10769.6	67.4
0°-40°	14444.6	90.3
0°-60°	15925.9	99.6
0°-90°	15989.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15989.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	17637	
5°	17343	###
15°	14416	4047
25°	11284	5109
35°	5923	3675
45°	1427	1216
55°	259	265
65°	49	55
75°	5	6
85°	0	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	17636.8
1°	17661.2
2°	17641.5
3°	17583.0
4°	17475.5
5°	17343.4
6°	17162.7
7°	16928.2
8°	16669.1
9°	16385.7
10°	16072.9
11°	15755.3
12°	15408.3
13°	15076.0
14°	14738.8
15°	14416.3
16°	14098.6
17°	13795.6
18°	13492.7
19°	13204.3
20°	12911.1
21°	12613.0
22°	12319.8
23°	12002.1
24°	11660.1
25°	11283.8
26°	10887.9
27°	10448.1
28°	9983.9
29°	9465.8
30°	8928.3
31°	8361.4
32°	7765.2
33°	7139.7
34°	6528.8
35°	5922.8
37.5°	4447.1
40°	3152.1
42.5°	2135.6
45°	1427.0
47.5°	957.8
50°	640.2
52.5°	386.1
55°	259.0
57.5°	180.8



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	107.5
62.5°	73.3
65°	48.9
67.5°	44.0
70°	4.9
72.5°	9.8
75°	4.9
77.5°	4.9
80°	0.0
82.5°	9.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)