

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: P250783

Luminaire Tested: **LD8B175D010 ER8B175927 8LBM0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250783  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13935)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B175D010 ER8B175927 8LBM0MW  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
97 CRI 2700 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14221.1 lumens  
Efficiency: N/A  
Efficacy: 80.3 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

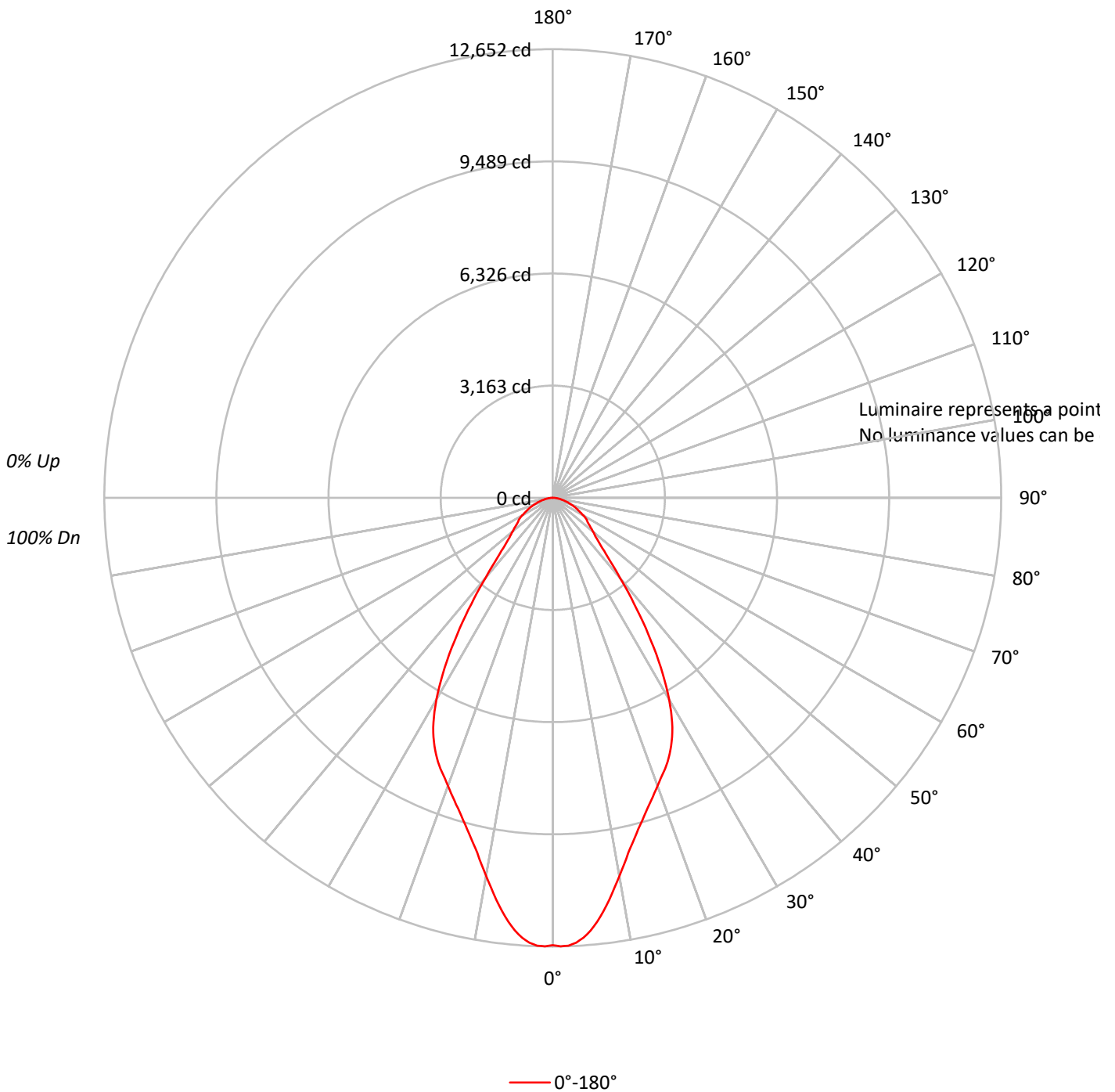
Input Watts (W): 177.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65
5	85	75	68	63	83	74	67	62	72	66	62	70	65	61	69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	56	49	44	54	48	44	54	48	44	53	48	44	42
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	50	45	41	39

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1121.1	7.9
10°-20°	2690.8	18.9
20°-30°	3565.8	25.1
30°-40°	2924.0	20.6
40°-50°	1557.3	11.0
50°-60°	1096.1	7.7
60°-70°	755.9	5.3
70°-80°	393.6	2.8
80°-90°	116.4	0.8
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°	7377.8	51.9
0°-40°	10301.8	72.4
0°-60°	12955.2	91.1
0°-90°	14221.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14221.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	12615	
5°	12249	###
15°	9542	2691
25°	7854	3566
35°	4703	2924
45°	1922	1557
55°	1206	1096
65°	757	756
75°	374	394
85°	107	116
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	12614.8
1°	12651.9
2°	12635.4
3°	12561.3
4°	12433.8
5°	12248.7
6°	12018.3
7°	11742.6
8°	11446.3
9°	11129.5
10°	10825.1
11°	10532.9
12°	10236.7
13°	9989.8
14°	9755.3
15°	9541.5
16°	9339.8
17°	9154.6
18°	8981.8
19°	8809.0
20°	8644.4
21°	8484.0
22°	8344.1
23°	8200.0
24°	8031.4
25°	7854.4
26°	7652.9
27°	7426.6
28°	7171.4
29°	6887.6
30°	6562.5
31°	6221.0
32°	5863.2
33°	5480.4
34°	5097.8
35°	4702.7
37.5°	3768.8
40°	2954.1
42.5°	2332.9
45°	1921.5
47.5°	1649.9
50°	1481.2
52.5°	1333.1
55°	1205.6
57.5°	1127.4



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	995.6
62.5°	868.2
65°	757.0
67.5°	658.4
70°	551.2
72.5°	460.8
75°	374.4
77.5°	271.5
80°	222.2
82.5°	160.4
85°	107.0
87.5°	49.4
90°	0.0

(END OF REPORT)