

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: P250027

Luminaire Tested: **LD8B175D010 ER8B175927 8LBN0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250027  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13951)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B175D010 ER8B175927 8LBN0WMH  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
97 CRI 2700 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12278.2 lumens  
Efficiency: N/A  
Efficacy: 69.3 lumens/watt  
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.79  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

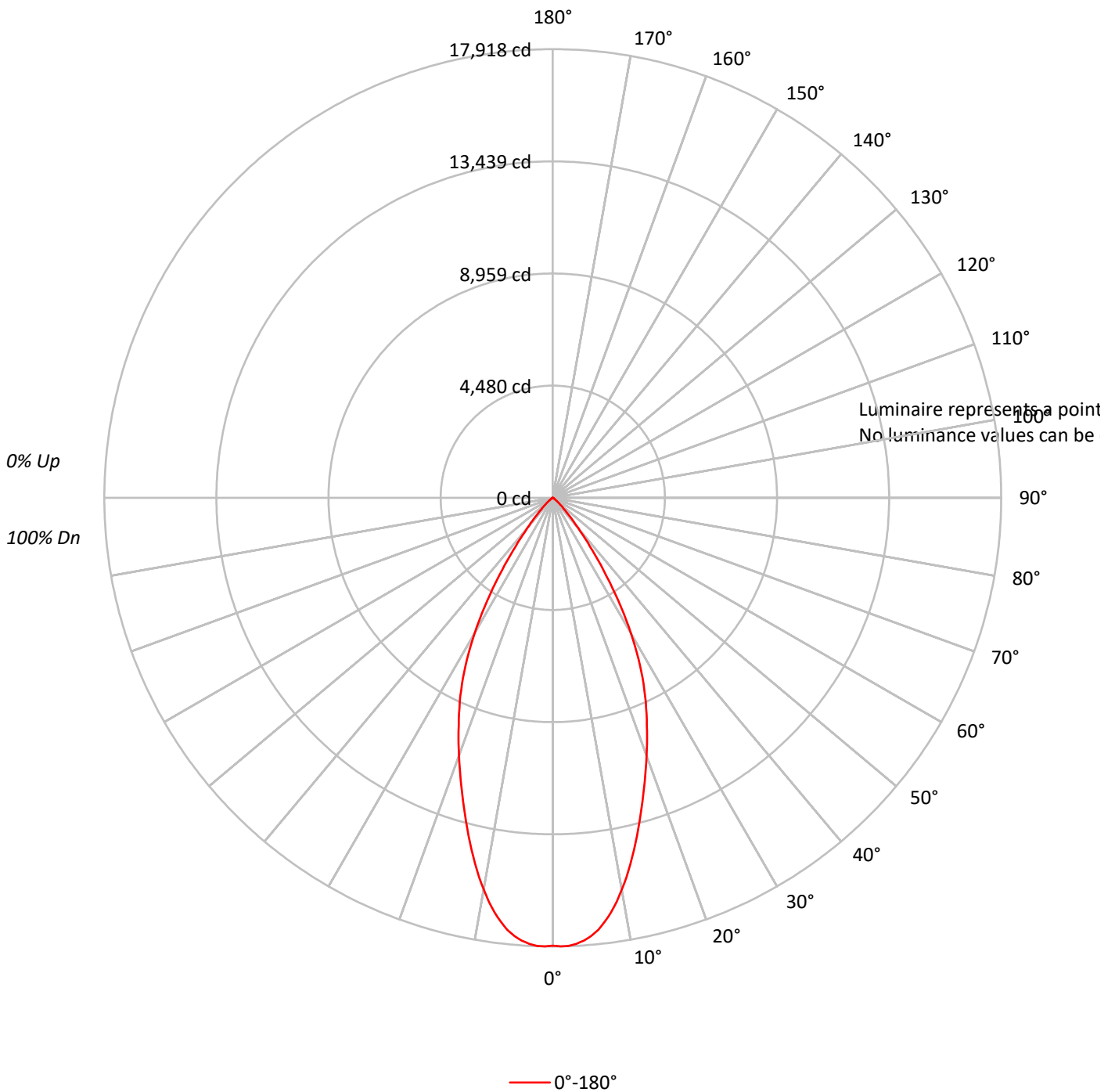
Input Watts (W): 177.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	99	96	99	96	93	96	94	91	93	91	90	88
3	103	97	92	89	101	96	91	88	93	89	86	91	88	85	89	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	79	77
5	94	86	80	76	92	85	80	76	83	78	75	81	77	74	80	76	74	72
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68
7	85	76	71	67	84	76	70	66	74	70	66	73	69	66	72	68	65	64
8	81	72	66	63	80	72	66	62	71	66	62	70	65	62	69	65	62	60
9	78	68	63	59	77	68	63	59	67	62	59	66	62	58	65	61	58	57
10	74	65	59	56	73	65	59	56	64	59	56	63	59	55	62	58	55	54

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1623.1	13.2
10°-20°	3724.1	30.3
20°-30°	3956.4	32.2
30°-40°	2257.3	18.4
40°-50°	559.7	4.6
50°-60°	110.0	0.9
60°-70°	33.2	0.3
70°-80°	7.9	0.1
80°-90°	6.4	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°	9303.7	75.8
0°-40°	11561.0	94.2
0°-60°	12230.7	99.6
0°-90°	12278.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12278.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	17884	
5°	17567	###
15°	13380	3724
25°	8734	3956
35°	3530	2257
45°	632	560
55°	102	110
65°	26	33
75°	0	8
85°	8	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	17883.6
1°	17917.9
2°	17904.9
3°	17840.9
4°	17729.8
5°	17567.3
6°	17353.8
7°	17058.8
8°	16721.2
9°	16324.0
10°	15887.9
11°	15426.6
12°	14930.8
13°	14426.6
14°	13909.5
15°	13379.5
16°	12879.6
17°	12375.4
18°	11901.0
19°	11418.2
20°	10961.0
22.5°	9828.4
25°	8734.5
27.5°	7559.4
30°	6260.4
32.5°	4867.2
35°	3529.7
37.5°	2431.5
40°	1572.6
42.5°	995.7
45°	632.4
47.5°	414.6
50°	260.7
52.5°	158.2
55°	102.5
57.5°	81.2
60°	51.2
62.5°	46.9
65°	25.8
67.5°	25.8
70°	21.4
72.5°	12.8
75°	0.0
77.5°	4.3
80°	4.3



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**CANDELA DISTRIBUTION (continued):**

	0°
82.5°	8.5
85°	8.5
87.5°	4.3
90°	0.0

(END OF REPORT)