

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: P250034

Luminaire Tested: **LD8B175D010 ER8B175930 8LBN0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250034  
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 ER8B175930 8LBN0WMH  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
97 CRI 3000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12943.1 lumens  
Efficiency: N/A  
Efficacy: 73.0 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

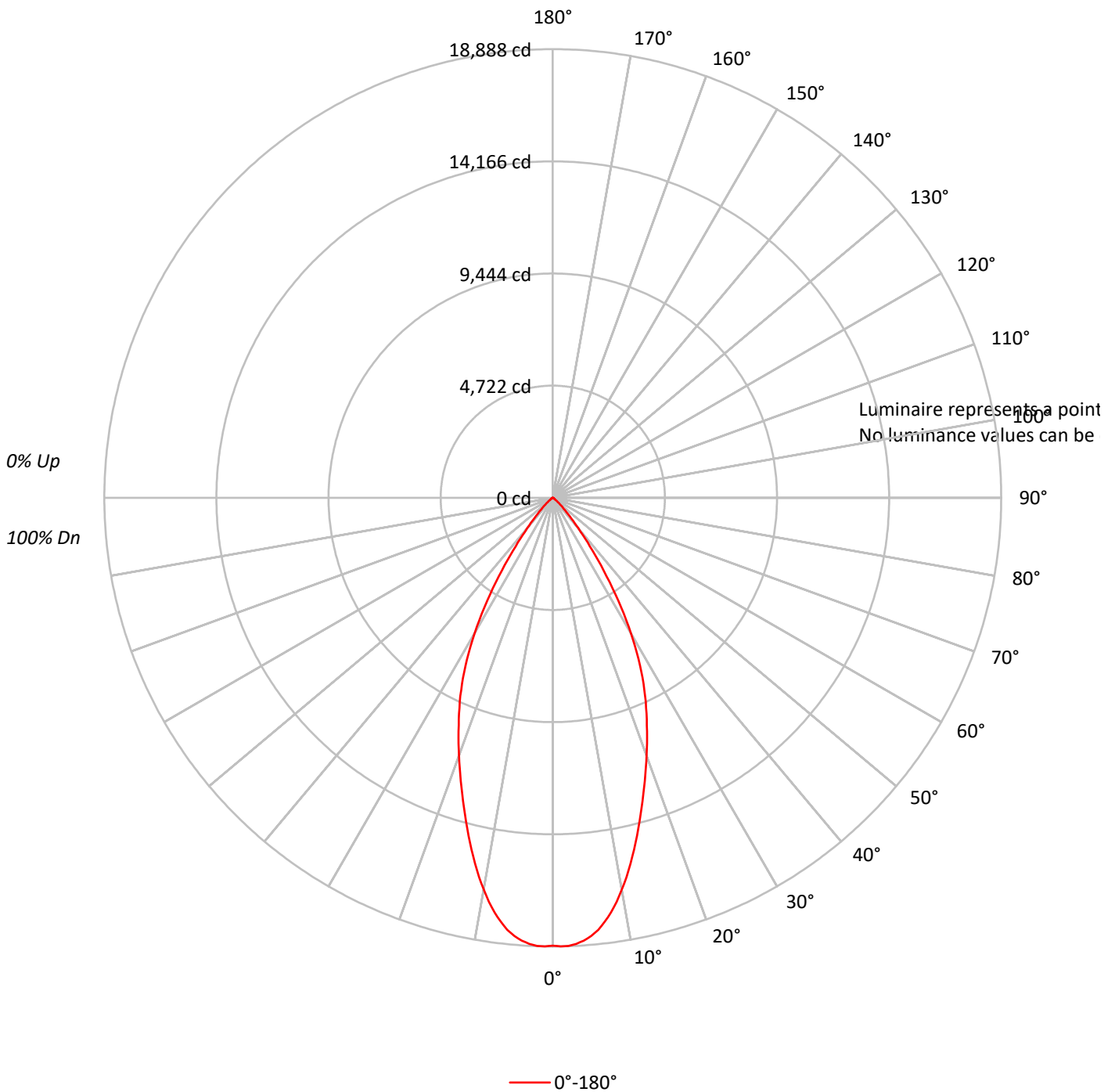
Input Watts (W): 177.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94
2	108	104	100	97	106	102	99	96	99	96	93	96	94	91	93	91	90	88	88	88
3	103	97	92	89	101	96	91	88	93	89	86	91	88	85	89	86	84	82	82	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	79	77	77	77
5	94	86	80	76	92	85	80	76	83	78	75	81	77	74	80	76	74	72	72	72
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68	68	68
7	85	76	71	67	84	76	70	66	74	70	66	73	69	66	72	68	65	64	64	64
8	81	72	66	63	80	72	66	62	71	66	62	70	65	62	69	65	62	60	60	60
9	78	68	63	59	77	68	63	59	67	62	59	66	62	58	65	61	58	57	57	57
10	74	65	59	56	73	65	59	56	64	59	56	63	59	55	62	58	55	54	54	54

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1711.0	13.2
10°-20°	3925.8	30.3
20°-30°	4170.6	32.2
30°-40°	2379.6	18.4
40°-50°	590.0	4.6
50°-60°	116.0	0.9
60°-70°	35.0	0.3
70°-80°	8.3	0.1
80°-90°	6.8	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°	9807.4	75.8
0°-40°	12187.0	94.2
0°-60°	12893.0	99.6
0°-90°	12943.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12943.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	18852	
5°	18519	###
15°	14104	3926
25°	9207	4171
35°	3721	2380
45°	667	590
55°	108	116
65°	27	35
75°	0	8
85°	9	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	18851.9
1°	18888.1
2°	18874.5
3°	18806.9
4°	18689.9
5°	18518.6
6°	18293.5
7°	17982.5
8°	17626.6
9°	17207.8
10°	16748.2
11°	16261.9
12°	15739.2
13°	15207.7
14°	14662.6
15°	14104.0
16°	13577.0
17°	13045.5
18°	12545.3
19°	12036.5
20°	11554.5
22.5°	10360.6
25°	9207.4
27.5°	7968.7
30°	6599.3
32.5°	5130.7
35°	3720.8
37.5°	2563.1
40°	1657.8
42.5°	1049.7
45°	666.7
47.5°	437.1
50°	274.8
52.5°	166.8
55°	108.1
57.5°	85.6
60°	54.0
62.5°	49.5
65°	27.1
67.5°	27.1
70°	22.6
72.5°	13.6
75°	0.0
77.5°	4.5
80°	4.5



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**CANDELA DISTRIBUTION (continued):**

	0°
82.5°	9.1
85°	9.1
87.5°	4.5
90°	0.0

(END OF REPORT)