

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: P250111

Luminaire Tested: **LD8B175D010 ER8B175927 8LBNOWH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250111  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13946)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B175D010 ER8B175927 8LBN0WH  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
97 CRI 2700 CCT WITH WHEAT TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12929.6 lumens  
Efficiency: N/A  
Efficacy: 73.0 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.66  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

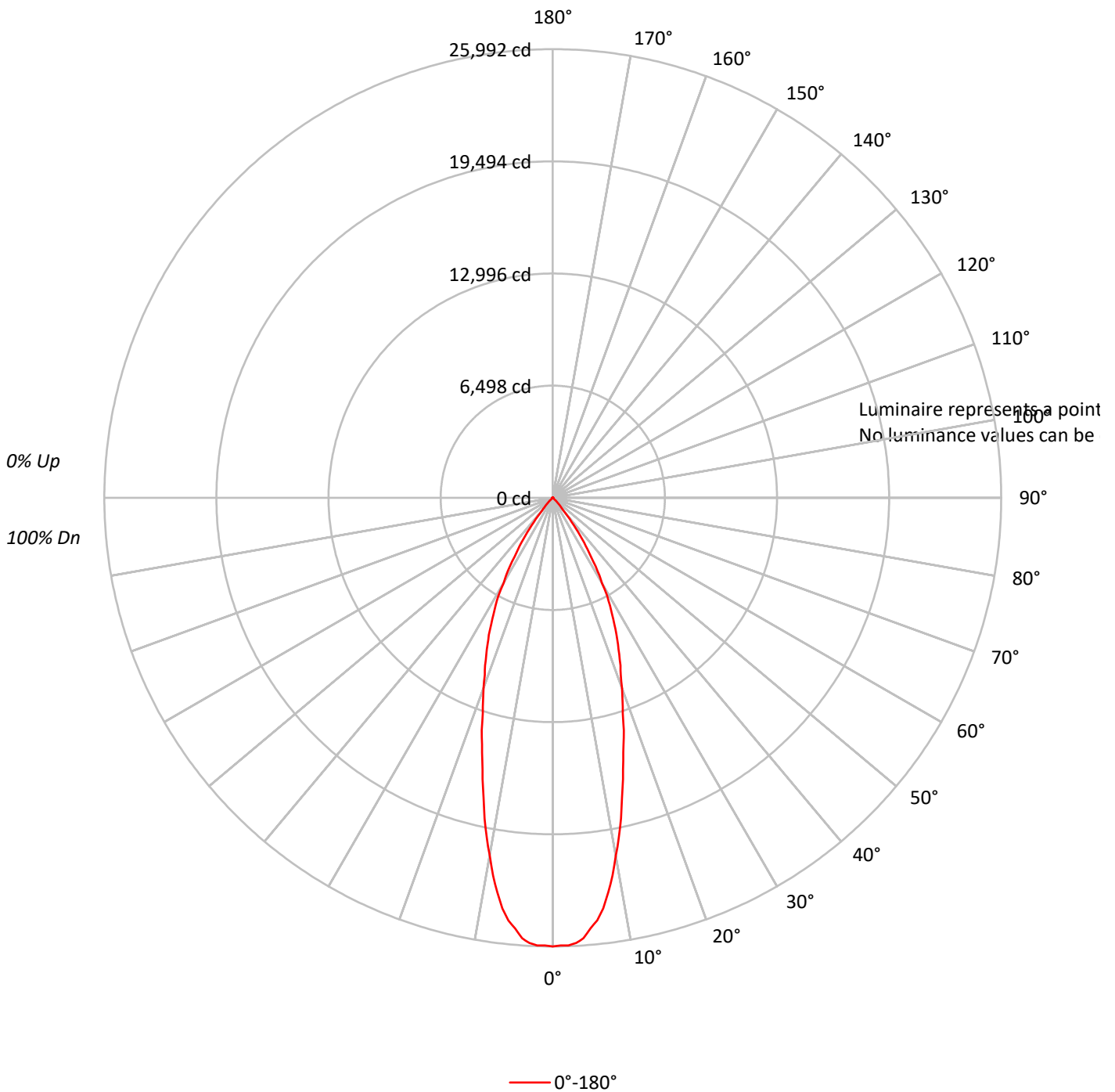
Input Watts (W): 177.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	105	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	85
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76
6	92	84	79	75	90	83	78	74	82	77	74	80	76	74	79	76	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	65
9	81	72	67	64	80	72	67	64	71	66	63	70	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	63	60	67	63	60	67	63	60	59

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2270.0	17.6
10°-20°	4398.7	34.0
20°-30°	3960.3	30.6
30°-40°	1959.4	15.2
40°-50°	298.1	2.3
50°-60°	12.2	0.1
60°-70°	15.7	0.1
70°-80°	5.9	0.0
80°-90°	9.2	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°	10629.0	82.2
0°-40°	12588.4	97.4
0°-60°	12898.7	99.8
0°-90°	12929.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12929.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	25992	
5°	25040	###
15°	15759	4399
25°	8757	3960
35°	3172	1959
45°	329	298
55°	4	12
65°	9	16
75°	9	6
85°	14	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	25991.7
1°	25937.6
2°	25950.9
3°	25820.1
4°	25581.1
5°	25039.7
6°	24624.7
7°	23966.0
8°	23081.7
9°	22161.3
10°	21051.3
11°	20058.9
12°	18994.2
13°	17816.5
14°	16801.4
15°	15759.1
16°	14870.4
17°	14085.4
18°	13119.9
19°	12411.4
20°	11716.9
21°	10994.8
22°	10467.0
23°	9853.4
24°	9289.5
25°	8757.1
26°	8129.9
27°	7566.1
28°	7060.7
29°	6505.8
30°	5707.2
31°	5256.1
32°	4687.7
33°	4065.0
34°	3591.2
35°	3171.6
37.5°	2007.6
40°	906.9
42.5°	618.1
45°	329.3
47.5°	185.0
50°	4.5
52.5°	18.1
55°	4.5
57.5°	27.1



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	4.5
62.5°	22.6
65°	9.0
67.5°	22.6
70°	13.6
72.5°	4.5
75°	9.0
77.5°	0.0
80°	4.5
82.5°	18.1
85°	13.6
87.5°	0.0
90°	0.0

(END OF REPORT)