

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: P250371

Luminaire Tested: **LD8B200D010 ER8B2009730 8LBN0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250371  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13948)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B200D010 ER8B2009730 8LBN0GPH  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
97 CRI 3000 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12472.1 lumens  
Efficiency: N/A  
Efficacy: 55.9 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.77  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

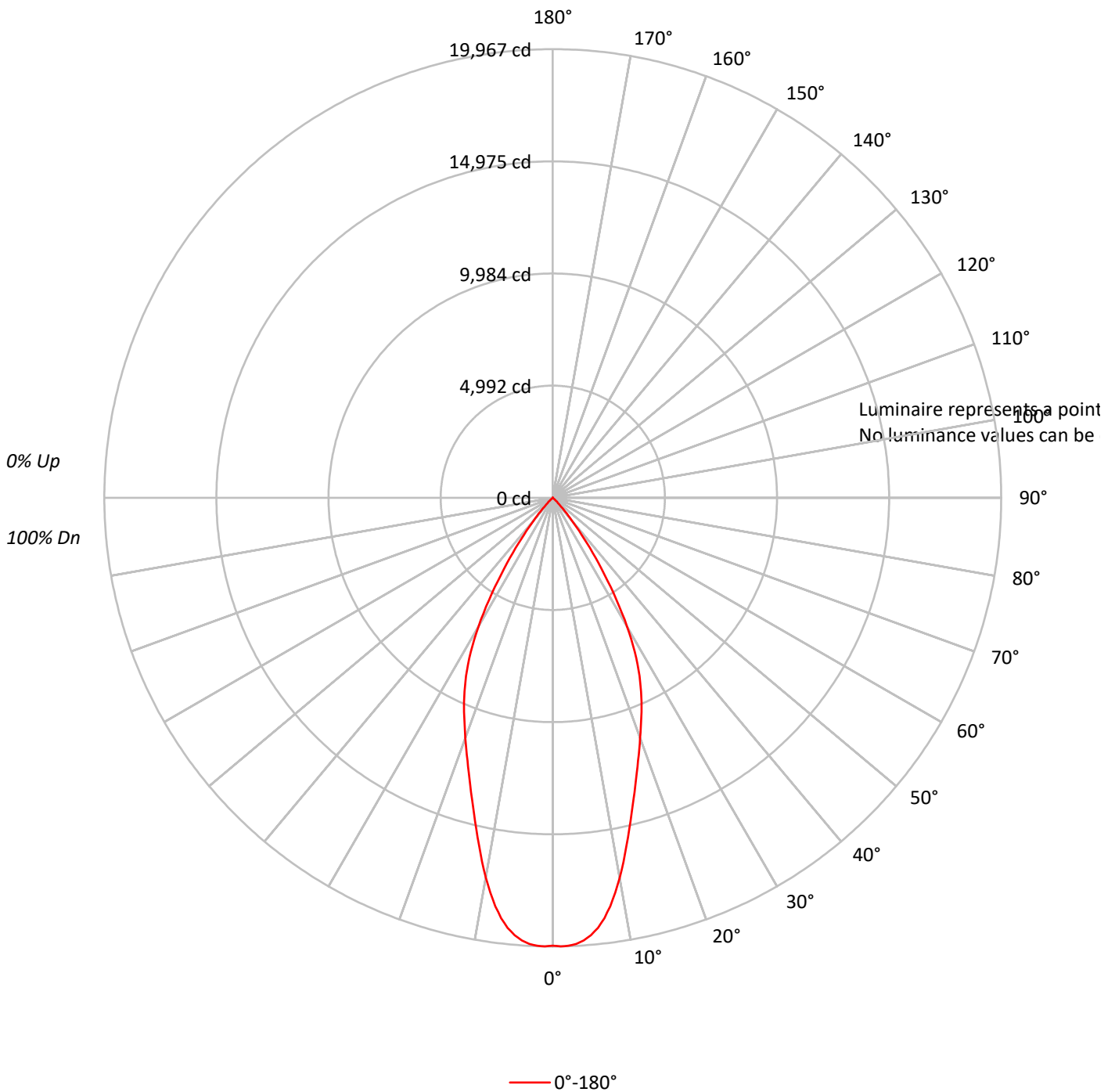
Input Watts (W): 223.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P250371

CATALOG NUMBER: LD8B200D010 ER8B2009730 8LBN0GPH

### Luminous Intensity Polar Plot





TEST NUMBER: P250371

CATALOG NUMBER: LD8B200D010 ER8B2009730 8LBN0GPH

**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	112	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	88	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	90	82	77	73	89	81	76	72	80	75	72	79	75	71	77	74	71	70
7	86	78	72	68	85	77	72	68	76	71	68	75	71	67	74	70	67	66
8	83	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

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





TEST NUMBER: P250371

CATALOG NUMBER: LD8B200D010 ER8B2009730 8LBN0GPH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1789.0	14.3
10°-20°	3888.4	31.2
20°-30°	4174.4	33.5
30°-40°	2256.2	18.1
40°-50°	352.0	2.8
50°-60°	9.7	0.1
60°-70°	2.4	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	9851.8	79.0
0°-40°	12108.0	97.1
0°-60°	12469.7	100.0
0°-90°	12472.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12472.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	19929	
5°	19536	###
15°	13883	3888
25°	9253	4174
35°	3544	2256
45°	325	352
55°	0	10
65°	0	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P250371

CATALOG NUMBER: LD8B200D010 ER8B2009730 8LBN0GPH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	19929.0
1°	19966.8
2°	19948.1
3°	19879.8
4°	19748.5
5°	19536.0
6°	19243.3
7°	18849.6
8°	18356.8
9°	17789.6
10°	17158.9
11°	16497.3
12°	15811.0
13°	15125.3
14°	14488.2
15°	13883.2
16°	13327.7
17°	12791.1
18°	12291.9
19°	11824.5
20°	11374.9
21°	10937.9
22°	10525.8
23°	10114.7
24°	9684.1
25°	9253.2
26°	8816.3
27°	8317.5
28°	7768.1
29°	7207.2
30°	6620.3
31°	5990.2
32°	5359.5
33°	4735.8
34°	4105.7
35°	3543.9
37.5°	2264.9
40°	1310.4
42.5°	699.1
45°	324.7
47.5°	175.1
50°	56.6
52.5°	6.4
55°	0.0
57.5°	6.4



TEST NUMBER: P250371

CATALOG NUMBER: LD8B200D010 ER8B2009730 8LBN0GPH

**CANDELA DISTRIBUTION (continued):**

	0°
60°	6.4
62.5°	0.0
65°	0.0
67.5°	6.4
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)