

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: P250026

Luminaire Tested: **LSR8B150D010 EC8B150927 8LBN0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250026  
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: LSR8B150D010 EC8B150927 8LBN0WMH  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
97 CRI 2700 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10874.2 lumens  
Efficiency: N/A  
Efficacy: 68.6 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

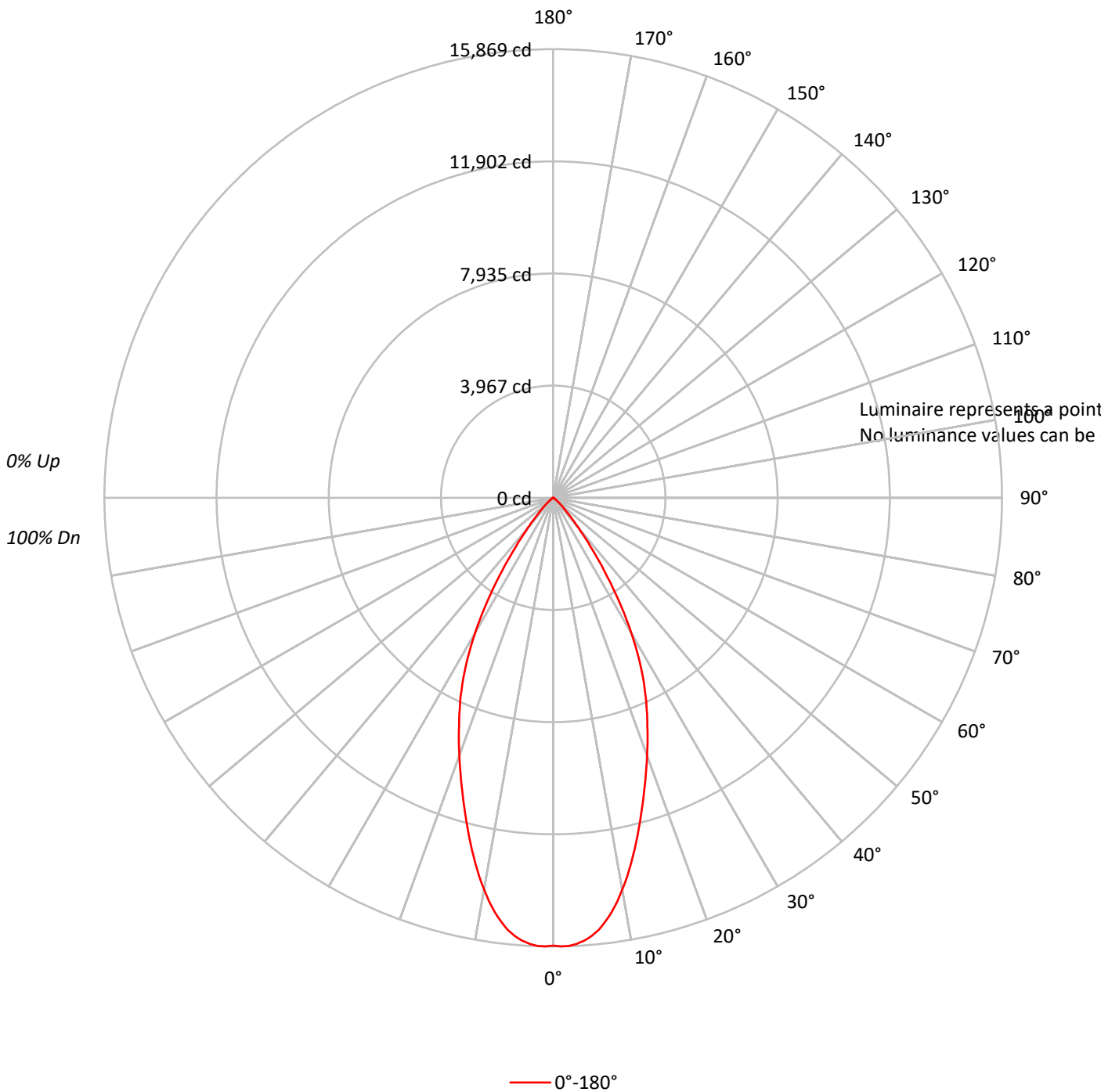
Input Watts (W): 158.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	1437.5	13.2
10°-20°	3298.3	30.3
20°-30°	3504.0	32.2
30°-40°	1999.2	18.4
40°-50°	495.7	4.6
50°-60°	97.5	0.9
60°-70°	29.4	0.3
70°-80°	7.0	0.1
80°-90°	5.6	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°	8239.8	75.8
0°-40°	10239.0	94.2
0°-60°	10832.2	99.6
0°-90°	10874.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10874.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	15838	
5°	15558	###
15°	11850	3298
25°	7736	3504
35°	3126	1999
45°	560	496
55°	91	97
65°	23	29
75°	0	7
85°	8	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	15838.5
1°	15868.9
2°	15857.6
3°	15800.8
4°	15702.4
5°	15558.5
6°	15369.4
7°	15108.2
8°	14809.2
9°	14457.4
10°	14071.2
11°	13662.6
12°	13223.5
13°	12776.8
14°	12319.0
15°	11849.6
16°	11406.8
17°	10960.3
18°	10540.1
19°	10112.5
20°	9707.6
22.5°	8704.6
25°	7735.7
27.5°	6695.1
30°	5544.6
32.5°	4310.7
35°	3126.0
37.5°	2153.4
40°	1392.9
42.5°	881.9
45°	560.1
47.5°	367.2
50°	230.8
52.5°	140.1
55°	90.8
57.5°	72.0
60°	45.3
62.5°	41.6
65°	22.7
67.5°	22.7
70°	19.0
72.5°	11.4
75°	0.0
77.5°	3.8
80°	3.8



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**CANDELA DISTRIBUTION (continued):**

	0°
82.5°	7.5
85°	7.5
87.5°	3.8
90°	0.0

(END OF REPORT)