

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: P250705

Luminaire Tested: **LSR8B150D010 EC8B1509730 8LBN0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250705  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P131425)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B150D010 EC8B1509730 8LBN0MW  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
97 CRI 3000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10707.9 lumens  
Efficiency: N/A  
Efficacy: 67.6 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.85  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

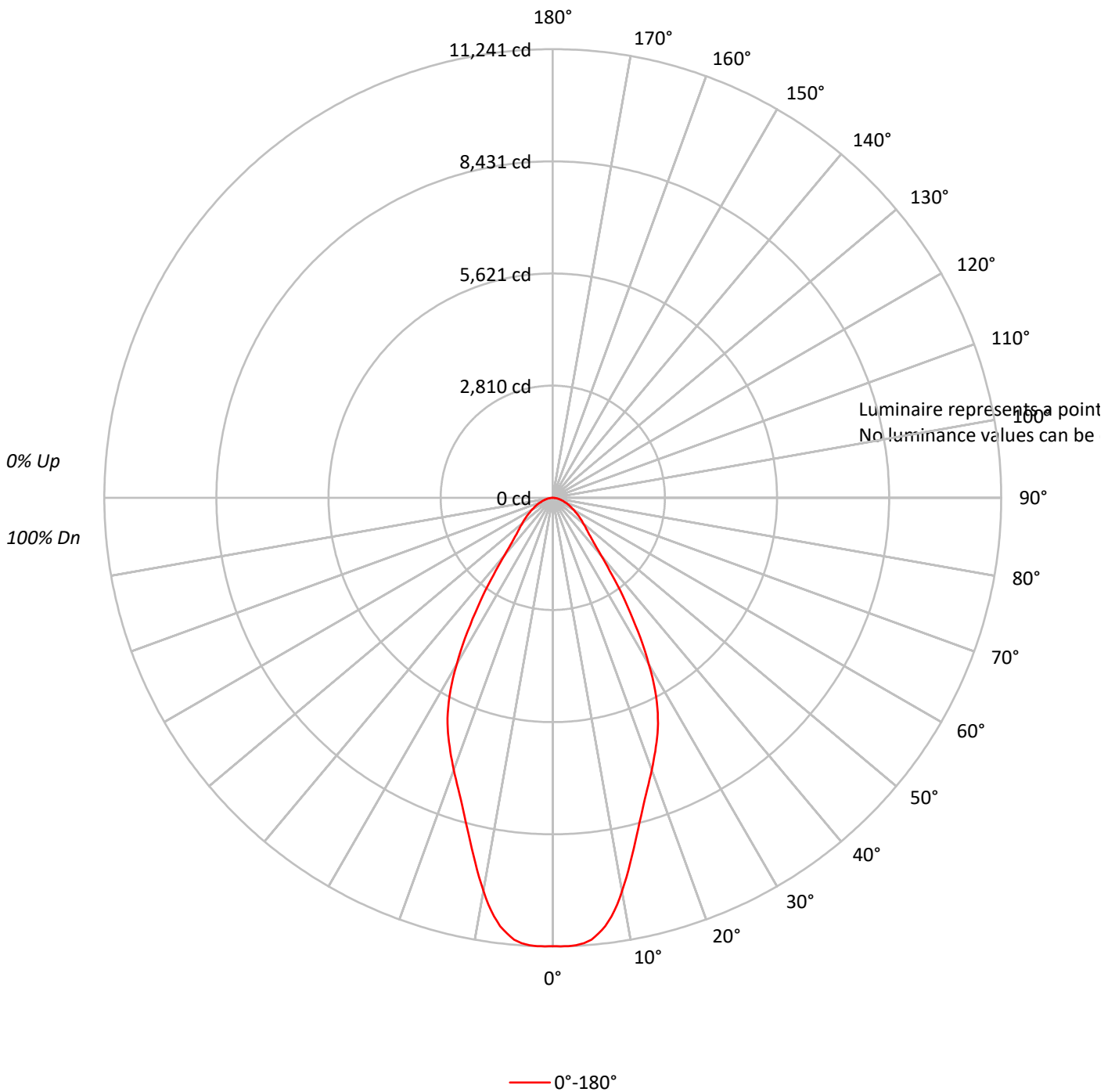
Input Watts (W): 158.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	106	103	109	106	104	101	102	100	98	98	97	95	95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67
5	87	78	71	66	85	77	70	65	75	69	65	73	68	64	71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57
7	78	67	60	56	76	67	60	55	65	59	55	64	59	55	63	58	54	53
8	74	63	56	52	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1025.5	9.6
10°-20°	2366.2	22.1
20°-30°	2820.2	26.3
30°-40°	1990.7	18.6
40°-50°	1028.1	9.6
50°-60°	705.5	6.6
60°-70°	458.6	4.3
70°-80°	240.1	2.2
80°-90°	72.9	0.7
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°	6212.0	58.0
0°-40°	8202.7	76.6
0°-60°	9936.3	92.8
0°-90°	10707.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10707.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11234	
5°	11111	###
15°	8415	2366
25°	6242	2820
35°	3164	1991
45°	1285	1028
55°	782	706
65°	461	459
75°	222	240
85°	62	73
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	11234.1
1°	11241.0
2°	11241.0
3°	11223.9
4°	11186.3
5°	11111.1
6°	10977.9
7°	10813.9
8°	10588.3
9°	10315.1
10°	10007.6
11°	9682.9
12°	9344.6
13°	9020.1
14°	8705.8
15°	8415.4
16°	8145.4
17°	7896.0
18°	7670.5
19°	7458.6
20°	7253.6
21°	7052.1
22°	6853.9
23°	6655.8
24°	6454.2
25°	6242.3
26°	6003.1
27°	5743.4
28°	5459.9
29°	5159.2
30°	4817.5
31°	4486.1
32°	4147.8
33°	3799.3
34°	3478.1
35°	3163.9
37.5°	2436.2
40°	1875.8
42.5°	1510.2
45°	1284.7
47.5°	1124.1
50°	997.7
52.5°	888.4
55°	782.5
57.5°	686.8



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	608.1
62.5°	529.6
65°	461.2
67.5°	399.7
70°	321.2
72.5°	276.8
75°	222.1
77.5°	181.0
80°	140.0
82.5°	102.5
85°	61.5
87.5°	34.1
90°	0.0

(END OF REPORT)