

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: P250704

Luminaire Tested: **LSR8B120D010 EC8B120930 8LBN0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250704  
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: LSR8B120D010 EC8B120930 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: 9412.0 lumens  
Efficiency: N/A  
Efficacy: 79.6 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

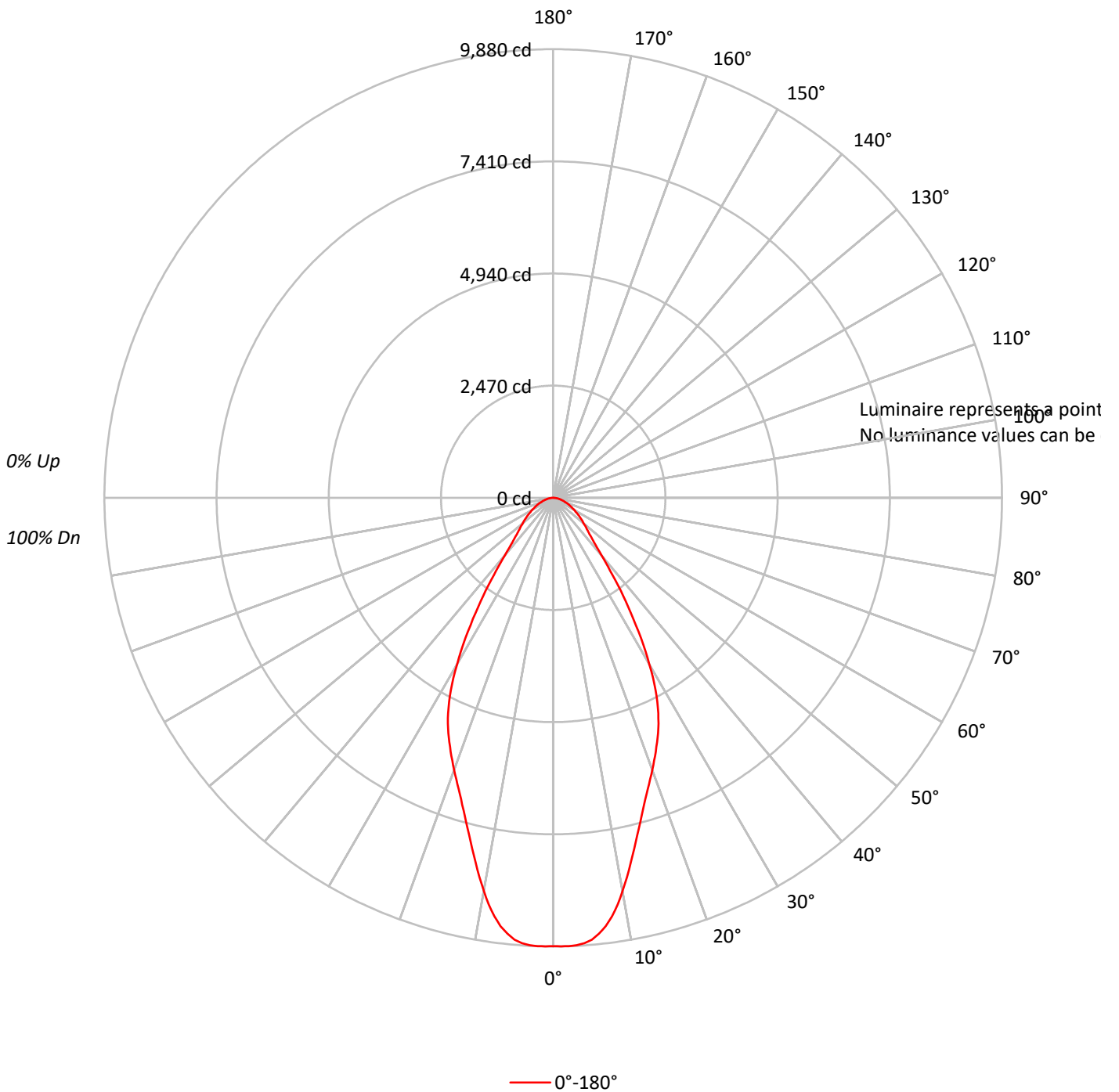
Input Watts (W): 118.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	901.4	9.6
10°-20°	2079.8	22.1
20°-30°	2478.9	26.3
30°-40°	1749.8	18.6
40°-50°	903.7	9.6
50°-60°	620.1	6.6
60°-70°	403.2	4.3
70°-80°	211.1	2.2
80°-90°	64.1	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°	5460.1	58.0
0°-40°	7209.9	76.6
0°-60°	8733.6	92.8
0°-90°	9412.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9412.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9874	
5°	9766	901
15°	7397	2080
25°	5487	2479
35°	2781	1750
45°	1129	904
55°	688	620
65°	406	403
75°	195	211
85°	54	64
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	9874.3
1°	9880.4
2°	9880.4
3°	9865.4
4°	9832.3
5°	9766.2
6°	9649.1
7°	9505.0
8°	9306.7
9°	9066.5
10°	8796.3
11°	8511.0
12°	8213.6
13°	7928.3
14°	7652.1
15°	7396.8
16°	7159.5
17°	6940.3
18°	6742.0
19°	6555.8
20°	6375.7
21°	6198.5
22°	6024.4
23°	5850.2
24°	5672.9
25°	5486.7
26°	5276.4
27°	5048.2
28°	4799.0
29°	4534.8
30°	4234.4
31°	3943.1
32°	3645.7
33°	3339.5
34°	3057.2
35°	2781.0
37.5°	2141.3
40°	1648.8
42.5°	1327.5
45°	1129.2
47.5°	988.0
50°	877.0
52.5°	780.9
55°	687.7
57.5°	603.7



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	534.5
62.5°	465.6
65°	405.5
67.5°	351.3
70°	282.4
72.5°	243.3
75°	195.3
77.5°	159.1
80°	123.1
82.5°	90.1
85°	54.0
87.5°	29.9
90°	0.0

(END OF REPORT)