

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: P250032

Luminaire Tested: **LSR8B120D010 EC8B120930 8LBN0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250032  
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: LSR8B120D010 EC8B120930 8LBN0WMH  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
97 CRI 3000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8970.3 lumens  
Efficiency: N/A  
Efficacy: 75.8 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

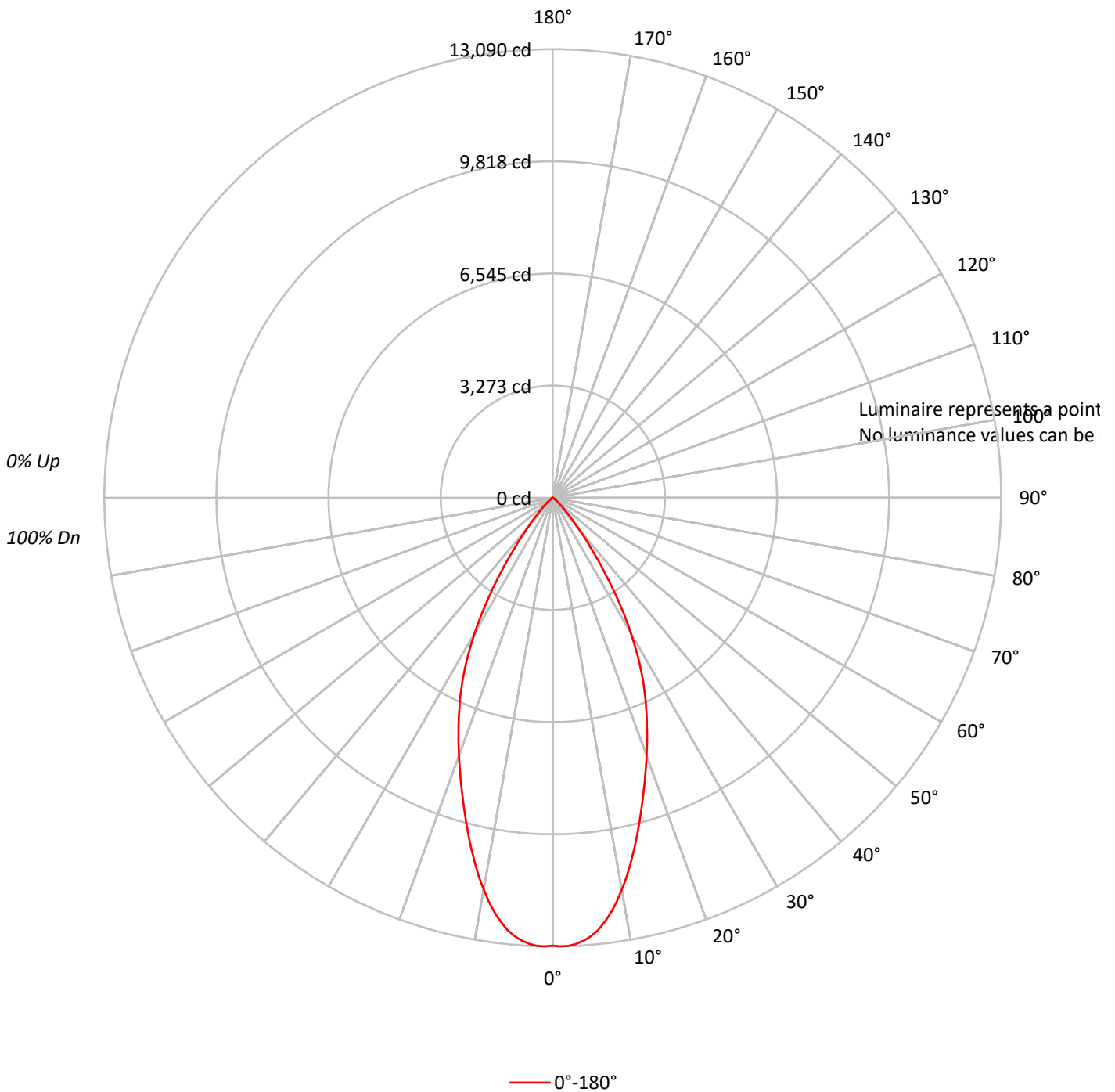
Input Watts (W): 118.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	1185.8	13.2
10°-20°	2720.8	30.3
20°-30°	2890.5	32.2
30°-40°	1649.1	18.4
40°-50°	408.9	4.6
50°-60°	80.4	0.9
60°-70°	24.3	0.3
70°-80°	5.7	0.1
80°-90°	4.7	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°	6797.1	75.8
0°-40°	8446.2	94.2
0°-60°	8935.5	99.6
0°-90°	8970.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8970.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13065	
5°	12834	###
15°	9775	2721
25°	6381	2890
35°	2579	1649
45°	462	409
55°	75	80
65°	19	24
75°	0	6
85°	6	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	13065.4
1°	13090.4
2°	13081.1
3°	13034.2
4°	12953.0
5°	12834.3
6°	12678.4
7°	12462.8
8°	12216.2
9°	11926.0
10°	11607.4
11°	11270.3
12°	10908.1
13°	10539.8
14°	10162.0
15°	9774.8
16°	9409.6
17°	9041.2
18°	8694.6
19°	8341.9
20°	8007.9
22.5°	7180.5
25°	6381.2
27.5°	5522.8
30°	4573.7
32.5°	3555.8
35°	2578.7
37.5°	1776.3
40°	1148.9
42.5°	727.5
45°	462.1
47.5°	302.9
50°	190.5
52.5°	115.6
55°	74.9
57.5°	59.3
60°	37.4
62.5°	34.3
65°	18.8
67.5°	18.8
70°	15.7
72.5°	9.4
75°	0.0
77.5°	3.1
80°	3.1



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**CANDELA DISTRIBUTION (continued):**

	0°
82.5°	6.3
85°	6.3
87.5°	3.1
90°	0.0

(END OF REPORT)