

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: P250116

Luminaire Tested: **LSR8B120D010 EC8B120930 8LBN0WH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250116  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13946)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B120D010 EC8B120930 8LBN0WH  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
97 CRI 3000 CCT WITH WHEAT TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9460.2 lumens  
Efficiency: N/A  
Efficacy: 80.0 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.66  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

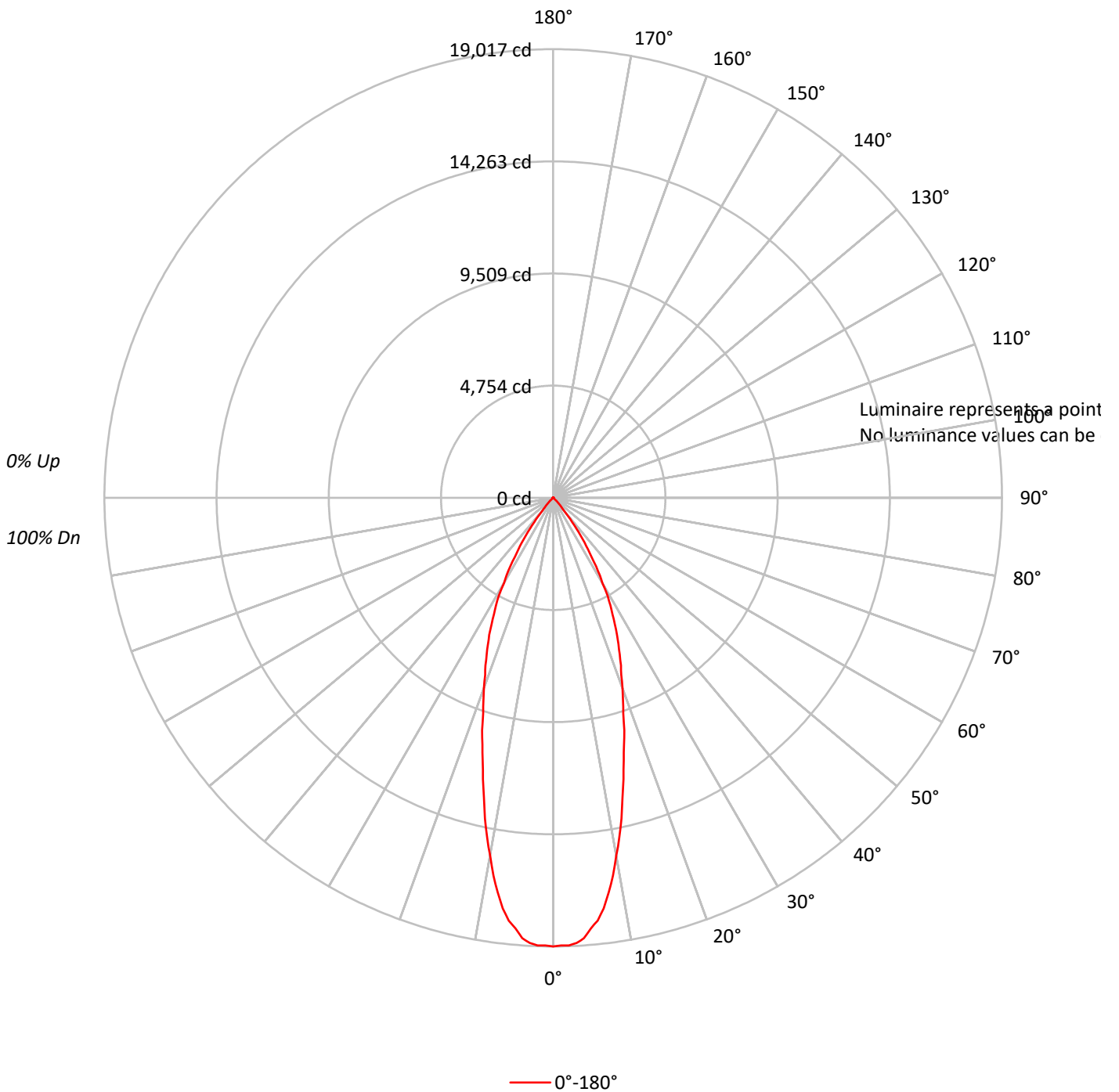
Input Watts (W): 118.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	105	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	85
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76
6	92	84	79	75	90	83	78	74	82	77	74	80	76	74	79	76	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	65
9	81	72	67	64	80	72	67	64	71	66	63	70	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	63	60	67	63	60	67	63	60	59

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1660.9	17.6
10°-20°	3218.4	34.0
20°-30°	2897.6	30.6
30°-40°	1433.6	15.2
40°-50°	218.1	2.3
50°-60°	9.0	0.1
60°-70°	11.6	0.1
70°-80°	4.4	0.0
80°-90°	6.8	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°	7776.8	82.2
0°-40°	9210.4	97.4
0°-60°	9437.5	99.8
0°-90°	9460.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9460.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	19017	
5°	18321	###
15°	11530	3218
25°	6407	2898
35°	2321	1434
45°	241	218
55°	3	9
65°	7	12
75°	7	4
85°	10	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	19017.1
1°	18977.5
2°	18987.4
3°	18891.7
4°	18716.8
5°	18320.6
6°	18016.9
7°	17535.0
8°	16888.0
9°	16214.5
10°	15402.4
11°	14676.2
12°	13897.3
13°	13035.7
14°	12293.0
15°	11530.4
16°	10880.1
17°	10305.8
18°	9599.3
19°	9081.0
20°	8572.7
21°	8044.5
22°	7658.3
23°	7209.4
24°	6796.7
25°	6407.2
26°	5948.4
27°	5535.8
28°	5166.0
29°	4760.0
30°	4175.7
31°	3845.7
32°	3429.7
33°	2974.1
34°	2627.6
35°	2320.6
37.5°	1468.8
40°	663.5
42.5°	452.2
45°	240.9
47.5°	135.3
50°	3.4
52.5°	13.2
55°	3.4
57.5°	19.8



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	3.4
62.5°	16.6
65°	6.6
67.5°	16.6
70°	10.0
72.5°	3.4
75°	6.6
77.5°	0.0
80°	3.4
82.5°	13.2
85°	10.0
87.5°	0.0
90°	0.0

(END OF REPORT)