

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: P250634

Luminaire Tested: **LSR8B120D010 EC8B120830 8LBN0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250634  
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 EC8B120830 8LBN0MW  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 3000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10960.0 lumens  
Efficiency: N/A  
Efficacy: 92.6 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.85  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

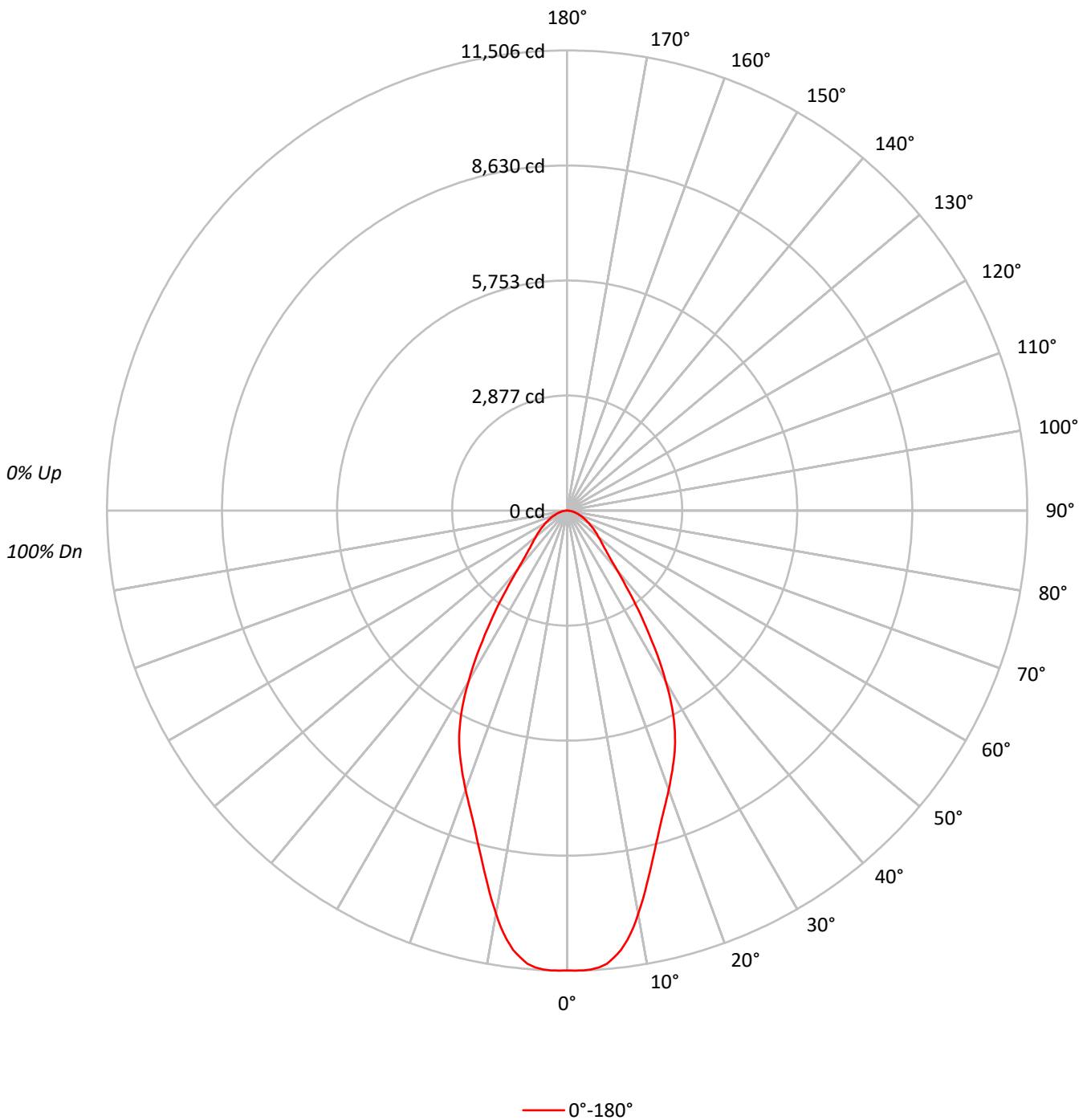
Input Watts (W): 118.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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):**

	0°
0°	354571
5°	352029
10°	320732
15°	274975
20°	243631
25°	217390
30°	175573
35°	121907
40°	77288
45°	57342
50°	48990
55°	43058
60°	38391
65°	34447
70°	29644
75°	27093
80°	25447
85°	22290



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1049.7	9.6
10°-20°	2421.9	22.1
20°-30°	2886.6	26.3
30°-40°	2037.6	18.6
40°-50°	1052.3	9.6
50°-60°	722.1	6.6
60°-70°	469.4	4.3
70°-80°	245.8	2.2
80°-90°	74.7	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°	6358.2	58.0
0°-40°	8395.7	76.6
0°-60°	10170.1	92.8
0°-90°	10960.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10960.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11498	
5°	11373	###
15°	8613	2422
25°	6389	2887
35°	3238	2038
45°	1315	1052
55°	801	722
65°	472	469
75°	227	246
85°	63	75
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	11498.5
1°	11505.5
2°	11505.5
3°	11488.0
4°	11449.6
5°	11372.6
6°	11236.2
7°	11068.3
8°	10837.5
9°	10557.8
10°	10243.1
11°	9910.8
12°	9564.5
13°	9232.4
14°	8910.6
15°	8613.4
16°	8337.1
17°	8081.9
18°	7851.0
19°	7634.2
20°	7424.3
21°	7218.0
22°	7015.2
23°	6812.4
24°	6606.1
25°	6389.3
26°	6144.3
27°	5878.6
28°	5588.4
29°	5280.7
30°	4930.9
31°	4591.7
32°	4245.4
33°	3888.7
34°	3560.0
35°	3238.4
37.5°	2493.5
40°	1920.0
42.5°	1545.8
45°	1314.9
47.5°	1150.5
50°	1021.2
52.5°	909.3
55°	800.9
57.5°	703.0



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	622.5
62.5°	542.1
65°	472.1
67.5°	409.1
70°	328.8
72.5°	283.3
75°	227.4
77.5°	185.3
80°	143.3
82.5°	104.9
85°	63.0
87.5°	34.9
90°	0.0

(END OF REPORT)