

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: P250641

Luminaire Tested: **LSR8B120D010 EC8B120835 8LBN0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250641  
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 EC8B120835 8LBN0MW  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 3500 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11397.0 lumens  
Efficiency: N/A  
Efficacy: 96.3 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

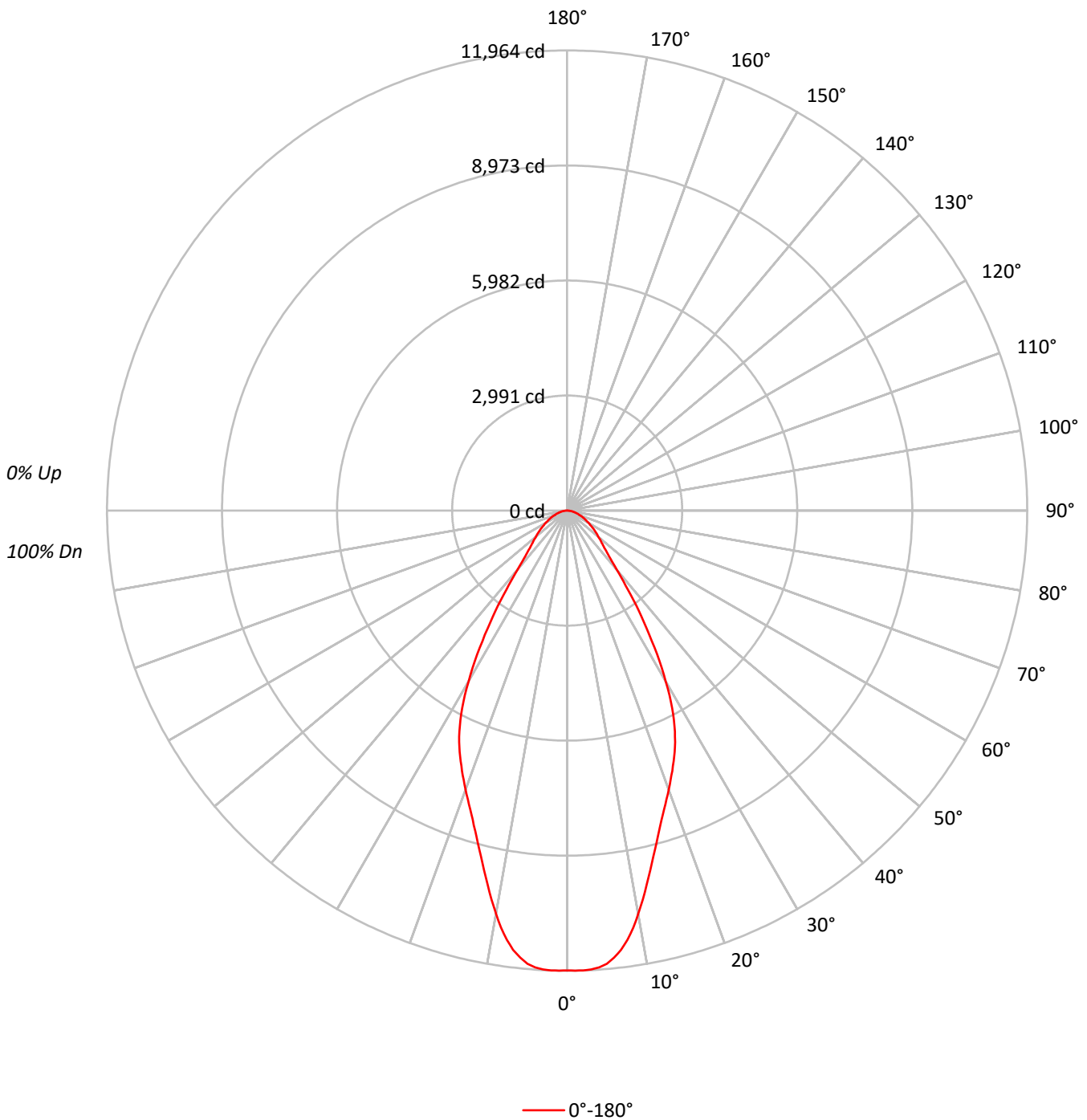
Input Watts (W): 118.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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):**

	0°
0°	368710
5°	366063
10°	333520
15°	285941
20°	253347
25°	226056
30°	182573
35°	126767
40°	80367
45°	59627
50°	50942
55°	44773
60°	39921
65°	35818
70°	30825
75°	28165
80°	26477
85°	23174



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1091.5	9.6
10°-20°	2518.5	22.1
20°-30°	3001.7	26.3
30°-40°	2118.8	18.6
40°-50°	1094.2	9.6
50°-60°	750.9	6.6
60°-70°	488.1	4.3
70°-80°	255.6	2.2
80°-90°	77.7	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°	6611.7	58.0
0°-40°	8730.5	76.6
0°-60°	10575.6	92.8
0°-90°	11397.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11397.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11957	
5°	11826	###
15°	8957	2519
25°	6644	3002
35°	3368	2119
45°	1367	1094
55°	833	751
65°	491	488
75°	236	256
85°	66	78
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	11957.0
1°	11964.3
2°	11964.3
3°	11946.0
4°	11906.1
5°	11826.0
6°	11684.2
7°	11509.7
8°	11269.6
9°	10978.8
10°	10651.5
11°	10306.0
12°	9945.9
13°	9600.5
14°	9265.9
15°	8956.9
16°	8669.6
17°	8404.1
18°	8164.0
19°	7938.6
20°	7720.4
21°	7505.8
22°	7294.9
23°	7084.0
24°	6869.5
25°	6644.0
26°	6389.3
27°	6113.0
28°	5811.2
29°	5491.2
30°	5127.5
31°	4774.8
32°	4414.7
33°	4043.8
34°	3701.9
35°	3367.5
37.5°	2592.9
40°	1996.5
42.5°	1607.4
45°	1367.3
47.5°	1196.4
50°	1061.9
52.5°	945.5
55°	832.8
57.5°	731.0



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	647.3
62.5°	563.7
65°	490.9
67.5°	425.4
70°	341.9
72.5°	294.6
75°	236.4
77.5°	192.7
80°	149.1
82.5°	109.1
85°	65.5
87.5°	36.3
90°	0.0

(END OF REPORT)