

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: P250676

Luminaire Tested: **LSR8B120D010 EC8B120935 8LBN0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250676
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 EC8B120935 8LBN0MW
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9718.9 lumens
Efficiency: N/A
Efficacy: 82.2 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

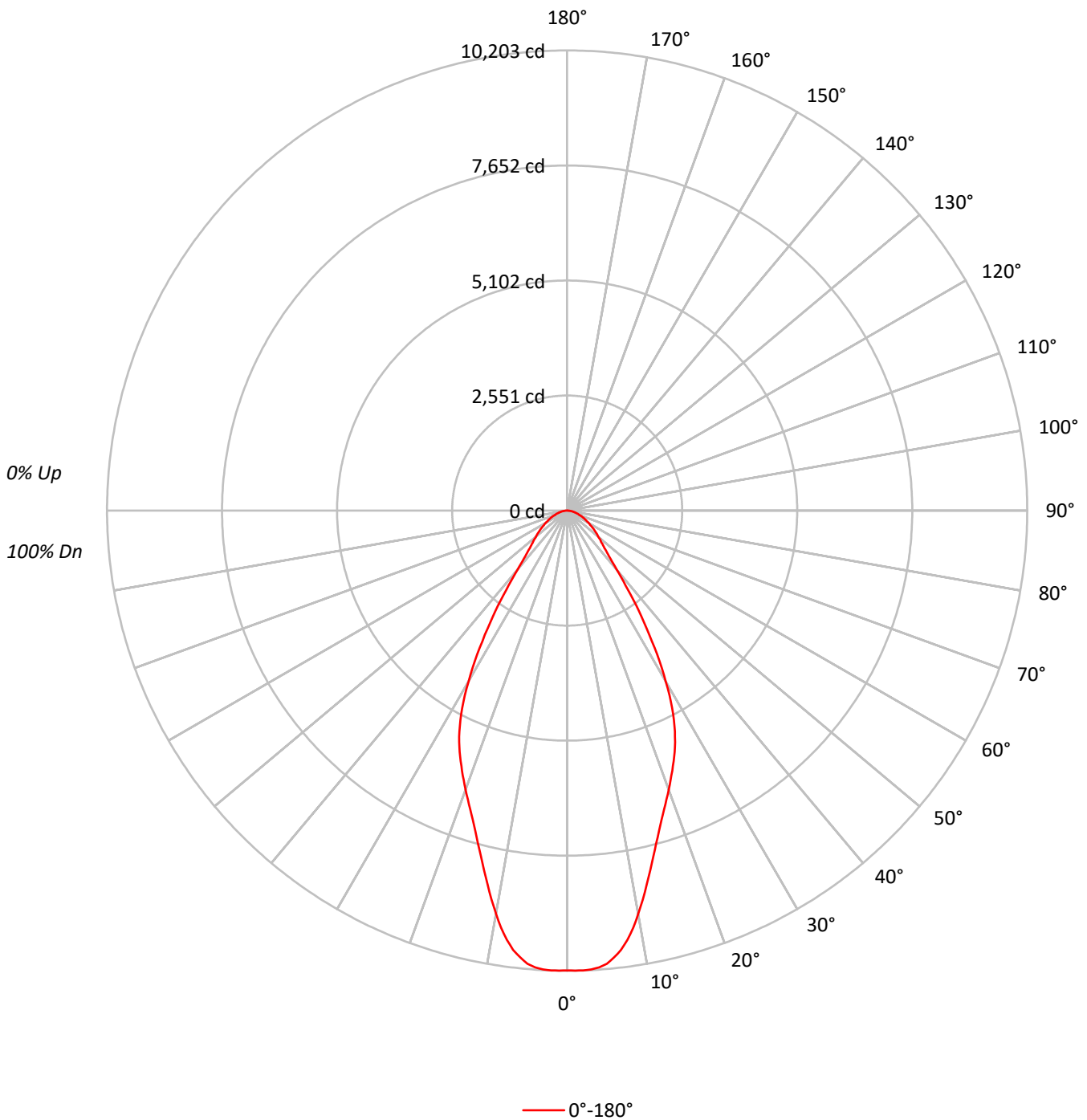
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	314422
5°	312166
10°	284416
15°	243839
20°	216046
25°	192774
30°	155690
35°	108103
40°	68536
45°	50848
50°	43444
55°	38181
60°	34043
65°	30543
70°	26281
75°	24019
80°	22570
85°	19742



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	930.8	9.6
10°-20°	2147.7	22.1
20°-30°	2559.7	26.3
30°-40°	1806.8	18.6
40°-50°	933.1	9.6
50°-60°	640.3	6.6
60°-70°	416.3	4.3
70°-80°	217.9	2.2
80°-90°	66.2	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°	5638.2	58.0
0°-40°	7445.1	76.6
0°-60°	9018.5	92.8
0°-90°	9718.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9718.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10196	
5°	10085	931
15°	7638	2148
25°	5666	2560
35°	2872	1807
45°	1166	933
55°	710	640
65°	419	416
75°	202	218
85°	56	66
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10196.5
1°	10202.8
2°	10202.8
3°	10187.2
4°	10153.1
5°	10084.8
6°	9964.0
7°	9815.1
8°	9610.3
9°	9362.4
10°	9083.3
11°	8788.6
12°	8481.5
13°	8187.0
14°	7901.7
15°	7638.1
16°	7393.1
17°	7166.8
18°	6962.0
19°	6769.7
20°	6583.7
21°	6400.7
22°	6220.9
23°	6041.0
24°	5858.1
25°	5665.8
26°	5448.6
27°	5212.9
28°	4955.6
29°	4682.7
30°	4372.5
31°	4071.8
32°	3764.7
33°	3448.4
34°	3156.9
35°	2871.7
37.5°	2211.1
40°	1702.6
42.5°	1370.7
45°	1166.0
47.5°	1020.2
50°	905.6
52.5°	806.3
55°	710.2
57.5°	623.4



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CANDELA DISTRIBUTION (continued):

	0°
60°	552.0
62.5°	480.7
65°	418.6
67.5°	362.8
70°	291.5
72.5°	251.2
75°	201.6
77.5°	164.3
80°	127.1
82.5°	93.0
85°	55.8
87.5°	31.0
90°	0.0

(END OF REPORT)