

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: P250697

Luminaire Tested: **LSR8B120D010 EC8B120927 8LBN0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250697
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 EC8B120927 8LBN0MW
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8928.0 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

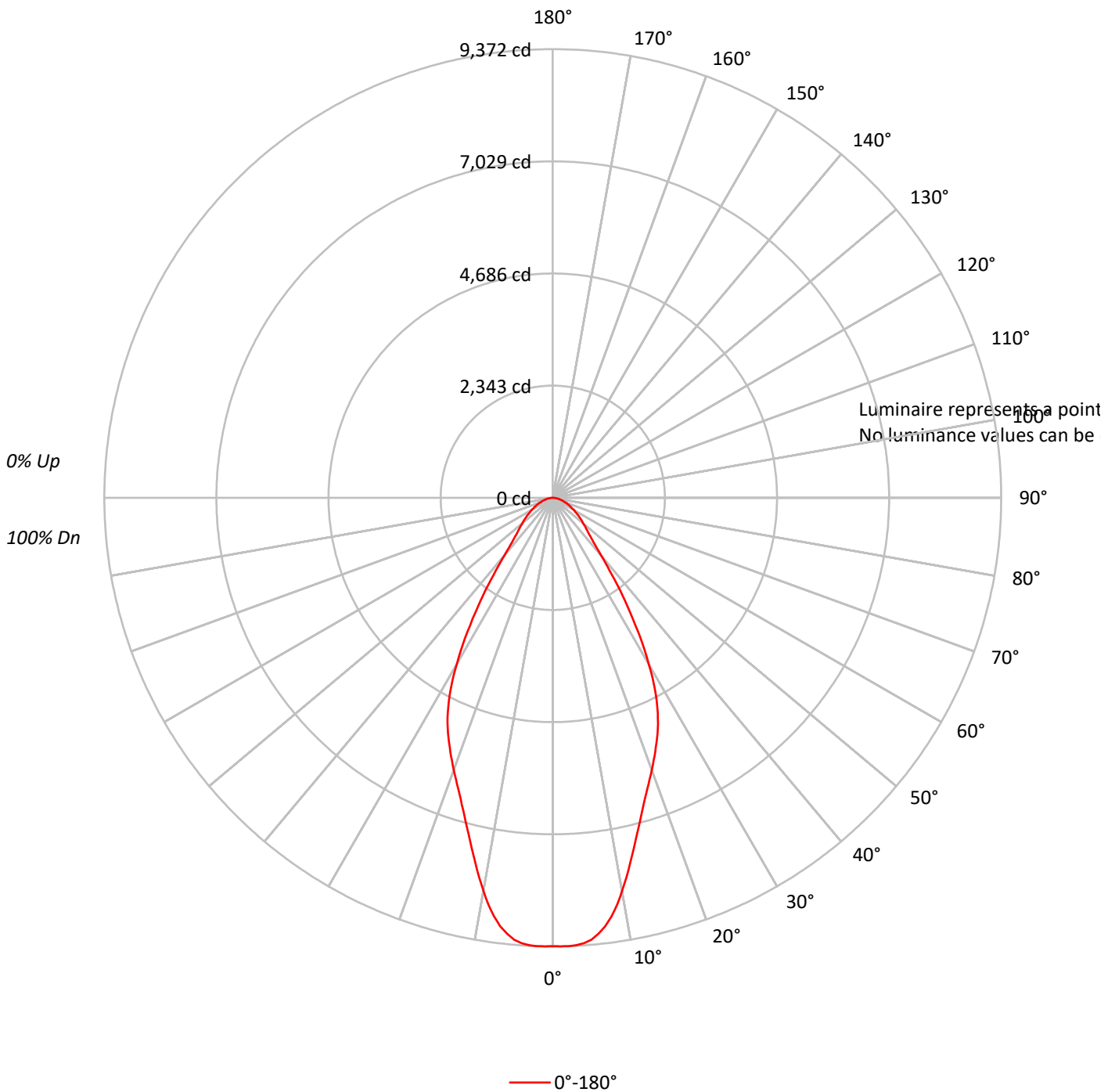
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	855.1	9.6
10°-20°	1972.9	22.1
20°-30°	2351.4	26.3
30°-40°	1659.8	18.6
40°-50°	857.2	9.6
50°-60°	588.2	6.6
60°-70°	382.4	4.3
70°-80°	200.2	2.2
80°-90°	60.9	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°	5179.4	58.0
0°-40°	6839.2	76.6
0°-60°	8284.5	92.8
0°-90°	8928.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8928.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9367	
5°	9264	855
15°	7016	1973
25°	5205	2351
35°	2638	1660
45°	1071	857
55°	652	588
65°	384	382
75°	185	200
85°	51	61
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9366.6
1°	9372.4
2°	9372.4
3°	9358.1
4°	9326.8
5°	9264.0
6°	9153.0
7°	9016.3
8°	8828.2
9°	8600.4
10°	8344.0
11°	8073.3
12°	7791.2
13°	7520.7
14°	7258.6
15°	7016.5
16°	6791.4
17°	6583.5
18°	6395.4
19°	6218.8
20°	6047.9
21°	5879.8
22°	5714.6
23°	5549.4
24°	5381.3
25°	5204.7
26°	5005.1
27°	4788.7
28°	4552.3
29°	4301.7
30°	4016.7
31°	3740.4
32°	3458.4
33°	3167.8
34°	2899.9
35°	2638.0
37.5°	2031.2
40°	1564.0
42.5°	1259.2
45°	1071.1
47.5°	937.2
50°	831.8
52.5°	740.7
55°	652.4
57.5°	572.6



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CANDELA DISTRIBUTION (continued):

	0°
60°	507.0
62.5°	441.6
65°	384.5
67.5°	333.2
70°	267.9
72.5°	230.8
75°	185.2
77.5°	151.0
80°	116.8
82.5°	85.5
85°	51.3
87.5°	28.5
90°	0.0

(END OF REPORT)