

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: P250704

Luminaire Tested: **LSR8B120D010 EC8B1209730 8LBN0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250704
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 EC8B1209730 8LBN0MW
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8396.0 lumens
Efficiency: N/A
Efficacy: 71.0 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

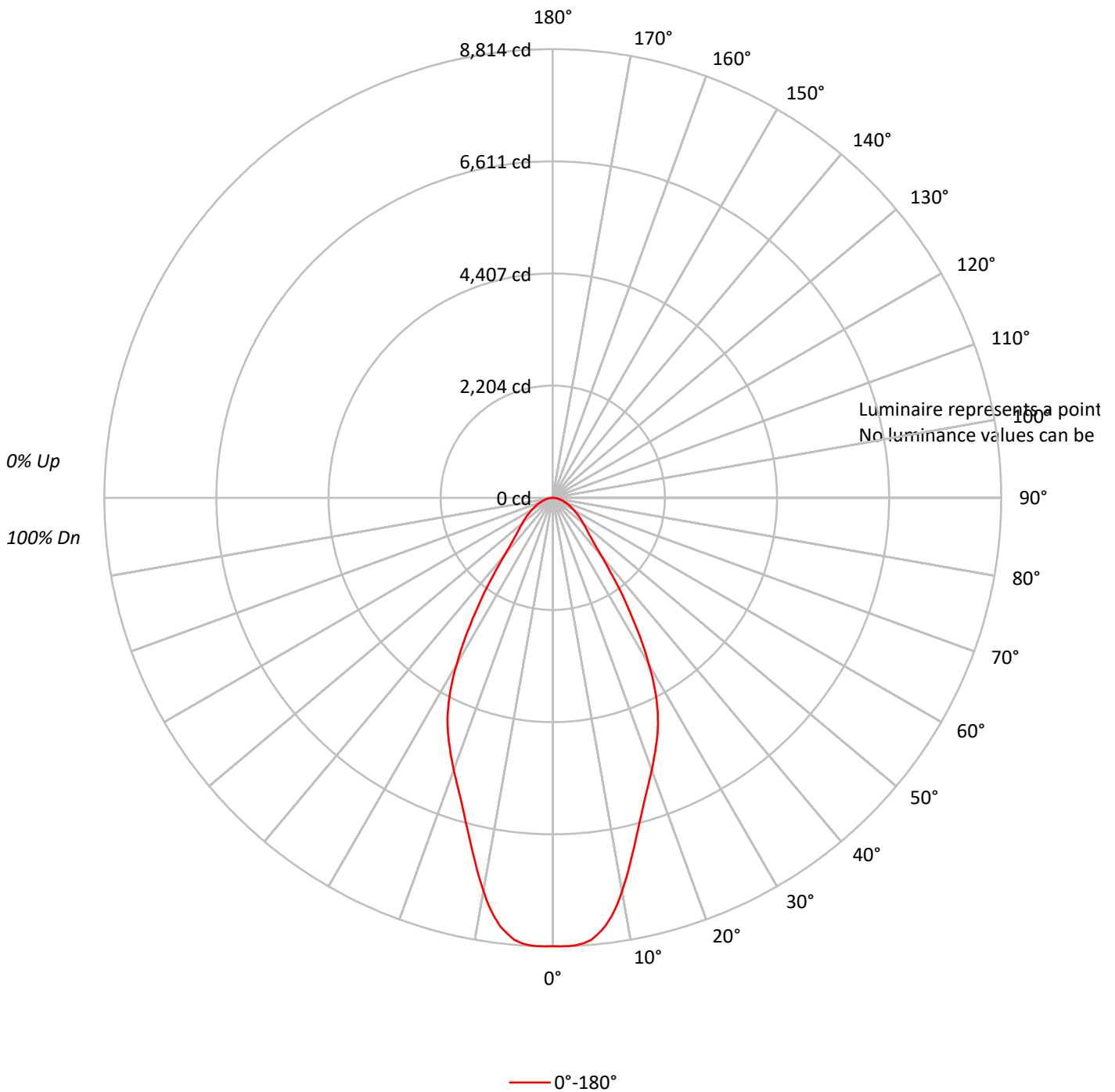
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	804.1	9.6
10°-20°	1855.3	22.1
20°-30°	2211.3	26.3
30°-40°	1560.9	18.6
40°-50°	806.1	9.6
50°-60°	553.2	6.6
60°-70°	359.6	4.3
70°-80°	188.3	2.2
80°-90°	57.2	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°	4870.7	58.0
0°-40°	6431.6	76.6
0°-60°	7790.9	92.8
0°-90°	8396.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8396.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8808	
5°	8712	804
15°	6598	1855
25°	4894	2211
35°	2481	1561
45°	1007	806
55°	614	553
65°	362	360
75°	174	188
85°	48	57
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8808.5
1°	8813.9
2°	8813.9
3°	8800.5
4°	8771.0
5°	8712.0
6°	8607.6
7°	8479.0
8°	8302.1
9°	8087.9
10°	7846.8
11°	7592.3
12°	7327.0
13°	7072.5
14°	6826.1
15°	6598.4
16°	6386.7
17°	6191.2
18°	6014.3
19°	5848.2
20°	5687.5
21°	5529.4
22°	5374.1
23°	5218.7
24°	5060.6
25°	4894.5
26°	4706.9
27°	4503.3
28°	4281.0
29°	4045.3
30°	3777.3
31°	3517.5
32°	3252.2
33°	2979.0
34°	2727.2
35°	2480.8
37.5°	1910.2
40°	1470.8
42.5°	1184.2
45°	1007.3
47.5°	881.4
50°	782.3
52.5°	696.6
55°	613.5
57.5°	538.5



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CANDELA DISTRIBUTION (continued):

	0°
60°	476.8
62.5°	415.3
65°	361.7
67.5°	313.4
70°	251.9
72.5°	217.0
75°	174.2
77.5°	141.9
80°	109.8
82.5°	80.4
85°	48.2
87.5°	26.7
90°	0.0

(END OF REPORT)