

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: P250109

Luminaire Tested: **LSR8B120D010 EC8B120927 8LBN0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250109
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13946)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B120D010 EC8B120927 8LBN0WH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8974.3 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.66
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

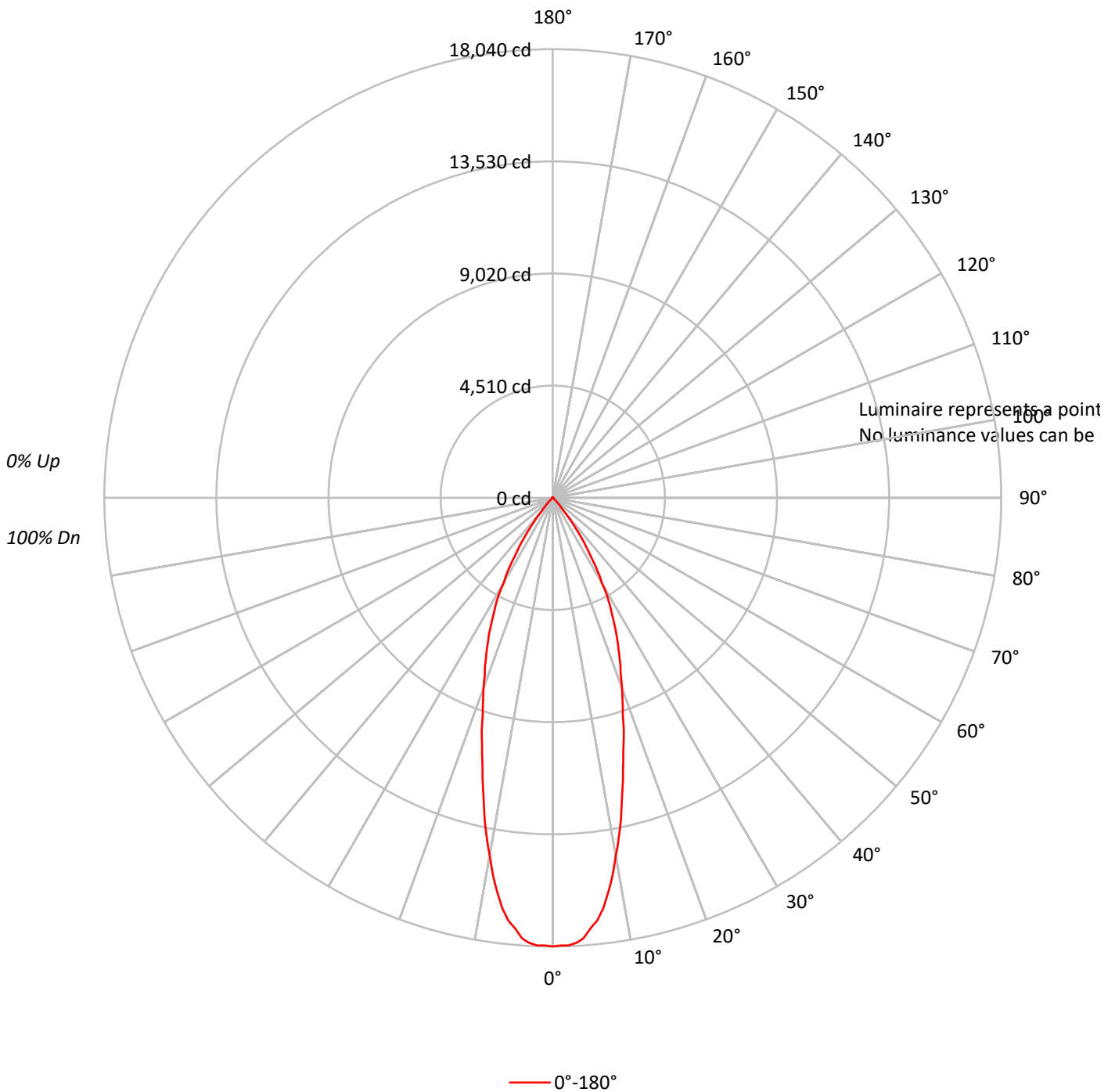
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	105	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	85
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76
6	92	84	79	75	90	83	78	74	82	77	74	80	76	74	79	76	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	65
9	81	72	67	64	80	72	67	64	71	66	63	70	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	63	60	67	63	60	67	63	60	59

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1575.6	17.6
10°-20°	3053.0	34.0
20°-30°	2748.7	30.6
30°-40°	1359.9	15.2
40°-50°	206.9	2.3
50°-60°	8.5	0.1
60°-70°	11.0	0.1
70°-80°	4.2	0.0
80°-90°	6.5	0.1
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°	7377.3	82.2
0°-40°	8737.2	97.4
0°-60°	8952.7	99.8
0°-90°	8974.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8974.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18040	
5°	17379	###
15°	10938	3053
25°	6078	2749
35°	2201	1360
45°	229	207
55°	3	9
65°	6	11
75°	6	4
85°	10	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	18040.2
1°	18002.6
2°	18011.9
3°	17921.1
4°	17755.2
5°	17379.4
6°	17091.3
7°	16634.1
8°	16020.4
9°	15381.6
10°	14611.2
11°	13922.3
12°	13183.3
13°	12366.0
14°	11661.4
15°	10938.0
16°	10321.1
17°	9776.4
18°	9106.2
19°	8614.5
20°	8132.4
21°	7631.2
22°	7264.9
23°	6839.0
24°	6447.6
25°	6078.0
26°	5642.8
27°	5251.4
28°	4900.6
29°	4515.4
30°	3961.2
31°	3648.2
32°	3253.5
33°	2821.4
34°	2492.5
35°	2201.3
37.5°	1393.4
40°	629.4
42.5°	429.0
45°	228.6
47.5°	128.4
50°	3.2
52.5°	12.6
55°	3.2
57.5°	18.9



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CANDELA DISTRIBUTION (continued):

	0°
60°	3.2
62.5°	15.8
65°	6.3
67.5°	15.8
70°	9.5
72.5°	3.2
75°	6.3
77.5°	0.0
80°	3.2
82.5°	12.6
85°	9.5
87.5°	0.0
90°	0.0

(END OF REPORT)