

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: P250445

Luminaire Tested: **LSR8B120D010 EC8B120927 8LBN0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250445
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13948)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B120D010 EC8B120927 8LBN0B
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5703.8 lumens
Efficiency: N/A
Efficacy: 48.2 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.77
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

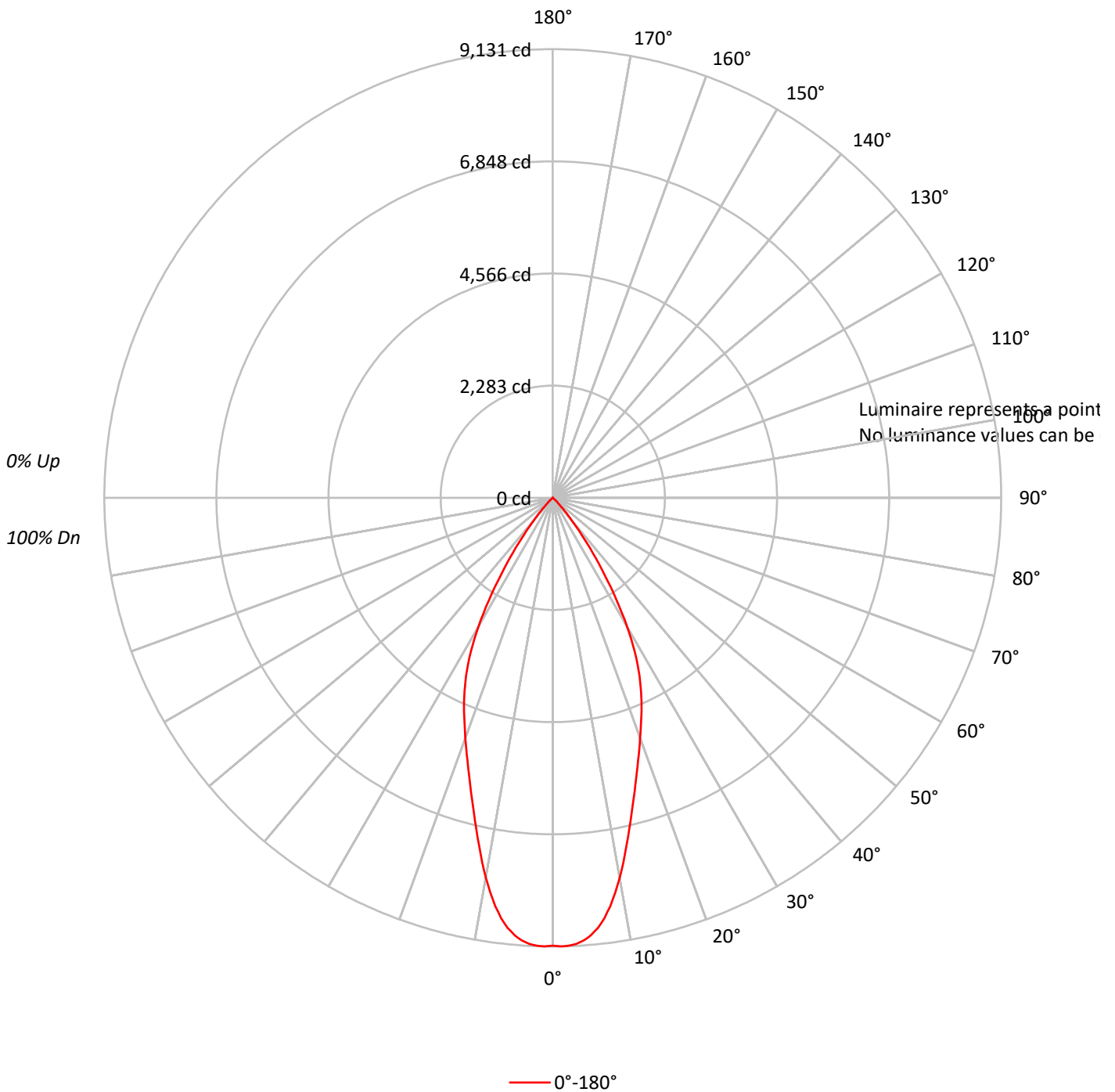
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250445

CATALOG NUMBER: LSR8B120D010 EC8B120927 8LBN0B

Luminous Intensity Polar Plot





TEST NUMBER: P250445

CATALOG NUMBER: LSR8B120D010 EC8B120927 8LBN0B

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	111	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	88	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	90	82	77	73	89	81	76	72	80	75	72	79	75	71	77	74	71	70
7	86	78	72	68	85	77	72	68	76	71	68	75	71	67	74	70	67	66
8	83	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P250445

CATALOG NUMBER: LSR8B120D010 EC8B120927 8LBN0B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	818.2	14.3
10°-20°	1778.2	31.2
20°-30°	1909.1	33.5
30°-40°	1031.8	18.1
40°-50°	161.0	2.8
50°-60°	4.4	0.1
60°-70°	1.1	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	4505.5	79.0
0°-40°	5537.3	97.1
0°-60°	5702.7	100.0
0°-90°	5703.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5703.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9114	
5°	8934	818
15°	6349	1778
25°	4232	1909
35°	1621	1032
45°	148	161
55°	0	4
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P250445

CATALOG NUMBER: LSR8B120D010 EC8B120927 8LBN0B

CANDELA DISTRIBUTION (FULL):

0°	
0°	9114.1
1°	9131.3
2°	9122.7
3°	9091.5
4°	9031.5
5°	8934.3
6°	8800.4
7°	8620.4
8°	8395.0
9°	8135.7
10°	7847.2
11°	7544.6
12°	7230.7
13°	6917.2
14°	6625.8
15°	6349.2
16°	6095.1
17°	5849.7
18°	5621.4
19°	5407.7
20°	5202.0
21°	5002.2
22°	4813.8
23°	4625.7
24°	4428.8
25°	4231.7
26°	4031.9
27°	3803.7
28°	3552.5
29°	3296.0
30°	3027.6
31°	2739.5
32°	2451.0
33°	2165.7
34°	1877.6
35°	1620.7
37.5°	1035.8
40°	599.3
42.5°	319.7
45°	148.5
47.5°	80.1
50°	25.9
52.5°	2.9
55°	0.0
57.5°	2.9



TEST NUMBER: P250445

CATALOG NUMBER: LSR8B120D010 EC8B120927 8LBN0B

CANDELA DISTRIBUTION (continued):

	0°
60°	2.9
62.5°	0.0
65°	0.0
67.5°	2.9
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)