

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: P250620

Luminaire Tested: **LSR8B120D010 EC8B120930 8LBM0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250620
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13928)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B120D010 EC8B120930 8LBM0B
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6490.5 lumens
Efficiency: N/A
Efficacy: 54.9 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.87
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

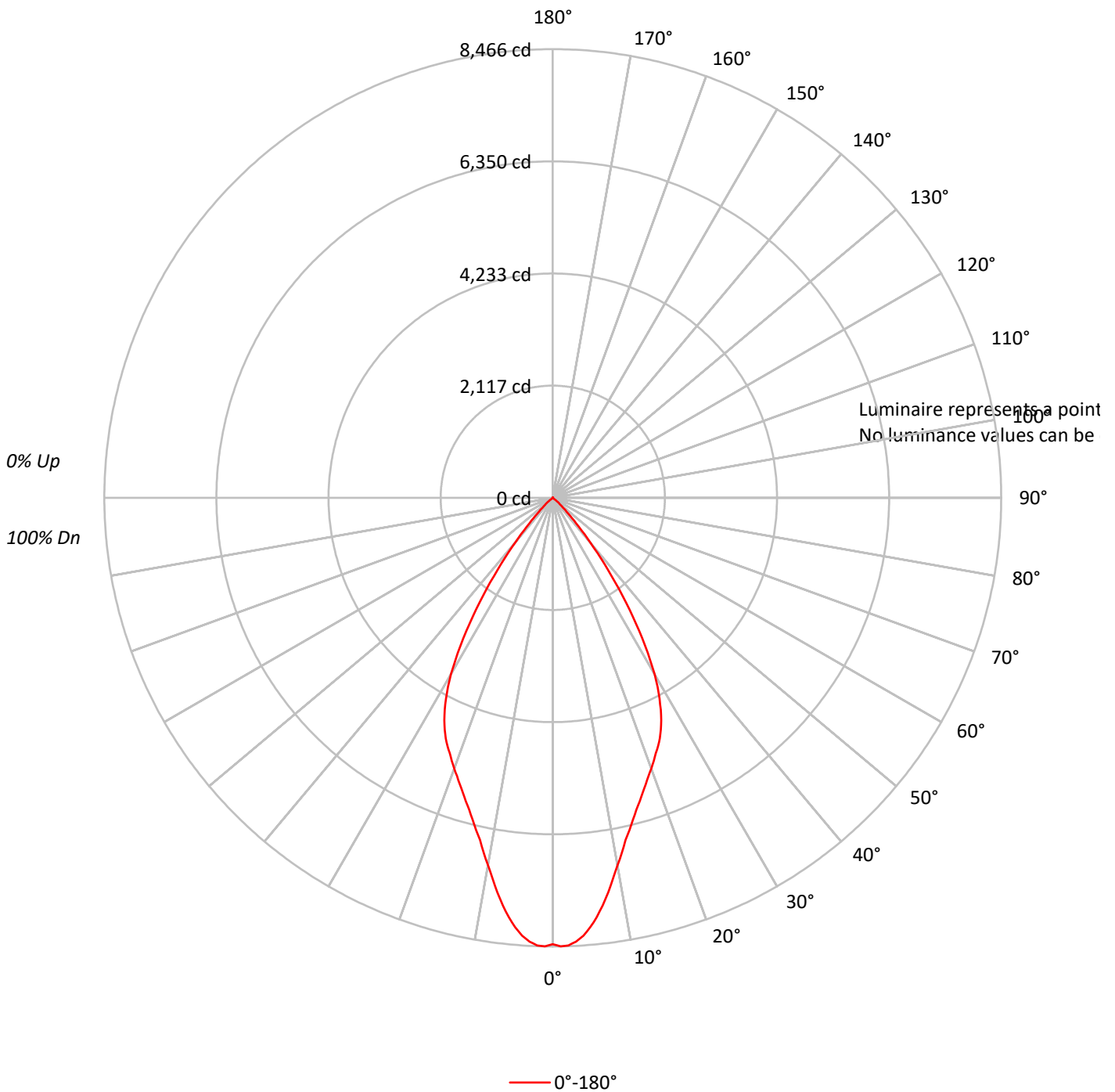
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250620

CATALOG NUMBER: LSR8B120D010 EC8B120930 8LBM0B

Luminous Intensity Polar Plot





TEST NUMBER: P250620

CATALOG NUMBER: LSR8B120D010 EC8B120930 8LBM0B

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	50	30	10	50	30	10	
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	100	100	
1	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94	94	94	94	94	94	
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87	87	87	87	87	87	
3	103	96	92	88	101	95	91	87	92	89	86	90	87	84	88	85	83	81	81	81	81	81	81	
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	77	76	76	76	76	76	76	
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	72	71	71	71	71	71	71	
6	88	79	74	69	87	79	73	69	77	72	69	76	71	68	74	71	68	66	66	66	66	66	66	
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	70	66	63	62	62	62	62	62	62	
8	80	70	64	60	79	70	64	60	69	64	60	68	63	60	67	63	60	58	58	58	58	58	58	
9	76	66	61	57	75	66	60	57	65	60	56	64	60	56	63	59	56	55	55	55	55	55	55	
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	51	51	51	51	51	51	

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P250620

CATALOG NUMBER: LSR8B120D010 EC8B120930 8LBM0B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	739.7	11.4
10°-20°	1717.9	26.5
20°-30°	2179.4	33.6
30°-40°	1493.0	23.0
40°-50°	340.2	5.2
50°-60°	16.9	0.3
60°-70°	0.8	0.0
70°-80°	1.2	0.0
80°-90°	1.3	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°	4637.0	71.4
0°-40°	6130.1	94.4
0°-60°	6487.2	99.9
0°-90°	6490.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6490.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8422	
5°	8133	740
15°	6098	1718
25°	4827	2179
35°	2412	1493
45°	367	340
55°	6	17
65°	3	1
75°	0	1
85°	0	1
90°	0	



TEST NUMBER: P250620

CATALOG NUMBER: LSR8B120D010 EC8B120930 8LBM0B

CANDELA DISTRIBUTION (FULL):

0°	
0°	8421.7
1°	8465.7
2°	8450.0
3°	8387.2
4°	8280.6
5°	8133.2
6°	7954.4
7°	7747.3
8°	7518.3
9°	7273.7
10°	7041.7
11°	6828.3
12°	6599.4
13°	6433.2
14°	6257.5
15°	6097.6
16°	5953.3
17°	5812.0
18°	5680.3
19°	5551.8
20°	5435.7
21°	5316.5
22°	5194.2
23°	5087.5
24°	4968.4
25°	4827.3
26°	4670.4
27°	4488.5
28°	4294.0
29°	4077.5
30°	3839.2
31°	3569.4
32°	3290.2
33°	2998.6
34°	2700.6
35°	2412.1
37.5°	1703.1
40°	1097.8
42.5°	646.1
45°	367.0
47.5°	197.6
50°	100.3
52.5°	18.8
55°	6.3
57.5°	3.1



TEST NUMBER: P250620

CATALOG NUMBER: LSR8B120D010 EC8B120930 8LBM0B

CANDELA DISTRIBUTION (continued):

	0°
60°	0.0
62.5°	0.0
65°	3.1
67.5°	0.0
70°	0.0
72.5°	3.1
75°	0.0
77.5°	0.0
80°	3.1
82.5°	0.0
85°	0.0
87.5°	3.1
90°	0.0

(END OF REPORT)