

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: P250613

Luminaire Tested: **LSR8B120D010 EC8B120927 8LBM0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250613
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 EC8B120927 8LBM0B
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6157.1 lumens
Efficiency: N/A
Efficacy: 52.0 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

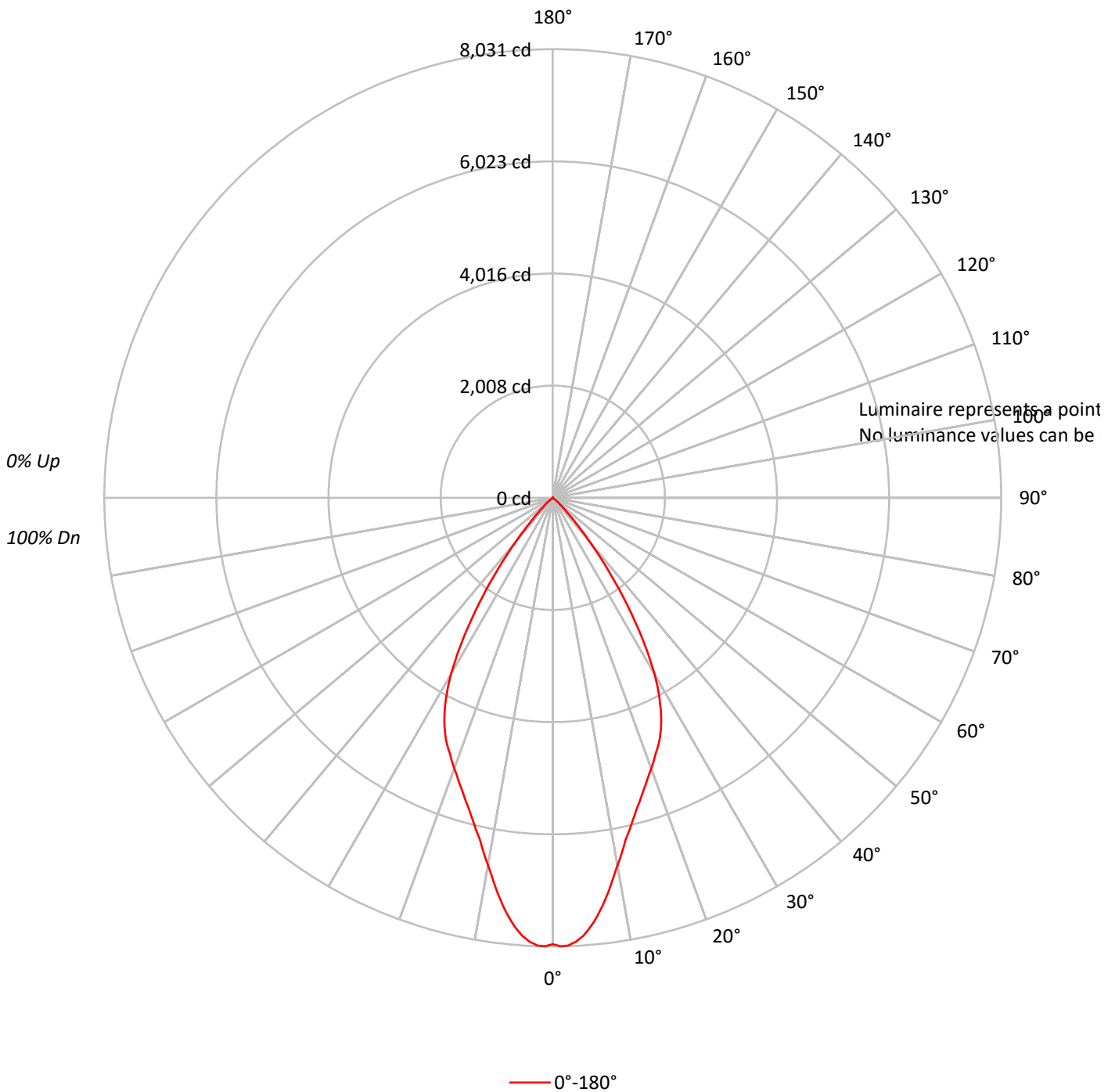
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	701.7	11.4
10°-20°	1629.6	26.5
20°-30°	2067.4	33.6
30°-40°	1416.3	23.0
40°-50°	322.8	5.2
50°-60°	16.1	0.3
60°-70°	0.7	0.0
70°-80°	1.2	0.0
80°-90°	1.2	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°	4398.8	71.4
0°-40°	5815.1	94.4
0°-60°	6154.0	99.9
0°-90°	6157.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6157.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7989	
5°	7715	702
15°	5784	1630
25°	4579	2067
35°	2288	1416
45°	348	323
55°	6	16
65°	3	1
75°	0	1
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7989.1
1°	8030.7
2°	8015.8
3°	7956.3
4°	7855.1
5°	7715.4
6°	7545.7
7°	7349.4
8°	7132.0
9°	6900.0
10°	6679.8
11°	6477.5
12°	6260.4
13°	6102.7
14°	5936.0
15°	5784.3
16°	5647.4
17°	5513.4
18°	5388.5
19°	5266.5
20°	5156.4
21°	5043.4
22°	4927.3
23°	4826.1
24°	4713.1
25°	4579.2
26°	4430.5
27°	4257.9
28°	4073.4
29°	3868.1
30°	3642.0
31°	3386.0
32°	3121.2
33°	2844.6
34°	2561.8
35°	2288.1
37.5°	1615.6
40°	1041.4
42.5°	612.9
45°	348.2
47.5°	187.4
50°	95.2
52.5°	17.9
55°	6.0
57.5°	3.0



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CANDELA DISTRIBUTION (continued):

	0°
60°	0.0
62.5°	0.0
65°	3.0
67.5°	0.0
70°	0.0
72.5°	3.0
75°	0.0
77.5°	0.0
80°	3.0
82.5°	0.0
85°	0.0
87.5°	3.0
90°	0.0

(END OF REPORT)