

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: P250627

Luminaire Tested: **LSR8B120D010 EC8B120827 8LBN0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250627
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 EC8B120827 8LBN0MW
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10692.0 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.85
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

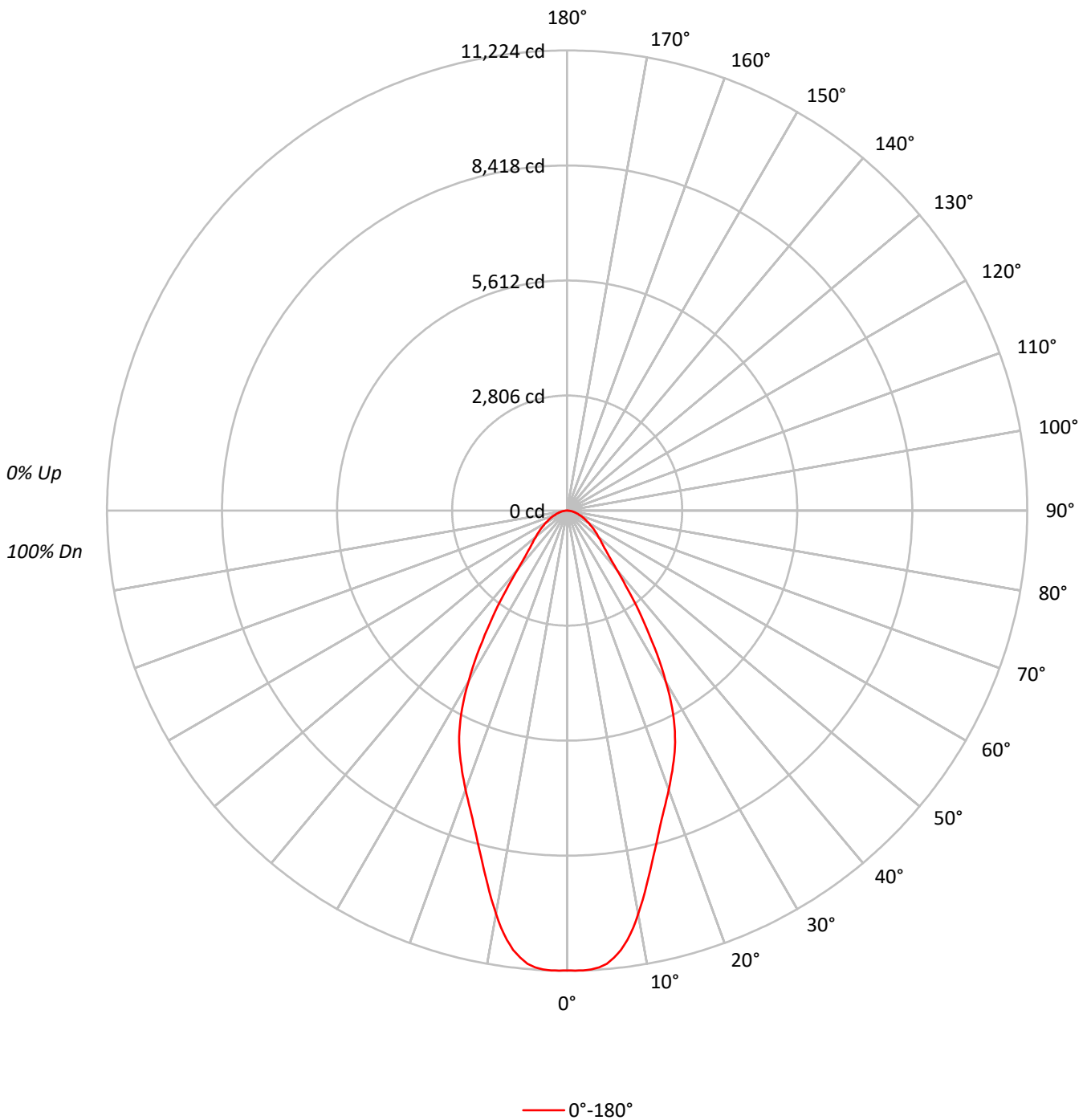
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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):

	0°
0°	345900
5°	343420
10°	312888
15°	268252
20°	237675
25°	212072
30°	171279
35°	118926
40°	75396
45°	55942
50°	47790
55°	42004
60°	37448
65°	33608
70°	28914
75°	26426
80°	24826
85°	21724



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1024.0	9.6
10°-20°	2362.7	22.1
20°-30°	2816.0	26.3
30°-40°	1987.7	18.6
40°-50°	1026.5	9.6
50°-60°	704.5	6.6
60°-70°	458.0	4.3
70°-80°	239.7	2.2
80°-90°	72.8	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°	6202.7	58.0
0°-40°	8190.4	76.6
0°-60°	9921.4	92.8
0°-90°	10692.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10692.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11217	
5°	11094	###
15°	8403	2363
25°	6233	2816
35°	3159	1988
45°	1283	1027
55°	781	704
65°	461	458
75°	222	240
85°	61	73
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11217.3
1°	11224.2
2°	11224.2
3°	11207.1
4°	11169.6
5°	11094.5
6°	10961.5
7°	10797.7
8°	10572.5
9°	10299.7
10°	9992.6
11°	9668.5
12°	9330.6
13°	9006.6
14°	8692.8
15°	8402.8
16°	8133.3
17°	7884.2
18°	7659.0
19°	7447.5
20°	7242.8
21°	7041.5
22°	6843.7
23°	6645.8
24°	6444.6
25°	6233.0
26°	5994.1
27°	5734.8
28°	5451.7
29°	5151.5
30°	4810.3
31°	4479.4
32°	4141.6
33°	3793.7
34°	3472.9
35°	3159.2
37.5°	2432.5
40°	1873.0
42.5°	1508.0
45°	1282.8
47.5°	1122.4
50°	996.2
52.5°	887.1
55°	781.3
57.5°	685.8



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CANDELA DISTRIBUTION (continued):

	0°
60°	607.2
62.5°	528.8
65°	460.6
67.5°	399.1
70°	320.7
72.5°	276.4
75°	221.8
77.5°	180.7
80°	139.8
82.5°	102.3
85°	61.4
87.5°	34.1
90°	0.0

(END OF REPORT)