

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: P250060

Luminaire Tested: **LSR8B120D010 EC8B120840 8LBN0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250060
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 EC8B120840 8LBN0WH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11381.0 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.66
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

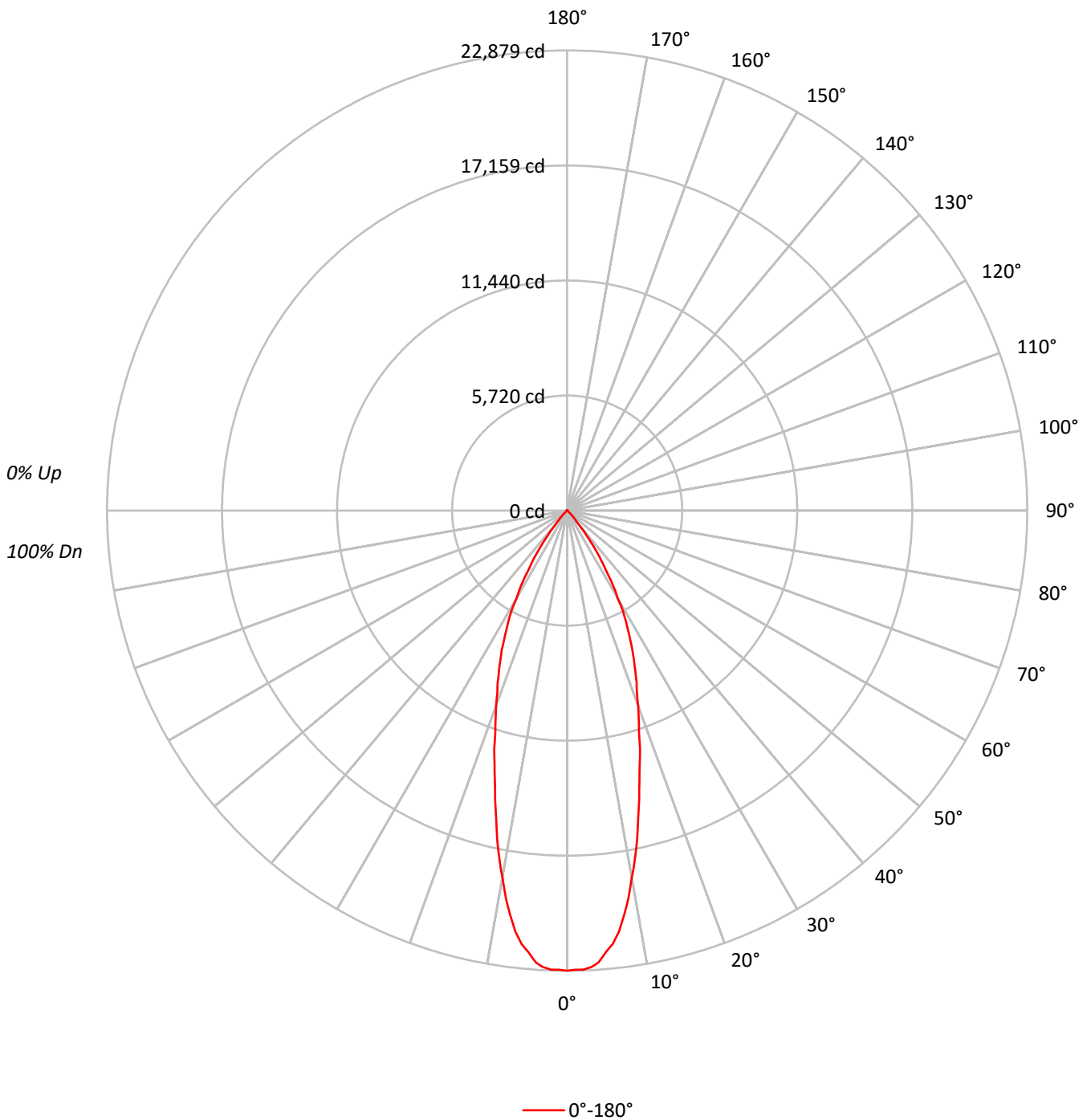
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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):

	0°
0°	705492
5°	682247
10°	580208
15°	442838
20°	338441
25°	262265
30°	178877
35°	105091
40°	32135
45°	12642
50°	192
55°	215
60°	247
65°	584
70°	1073
75°	953
80°	710
85°	4210



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1998.1	17.6
10°-20°	3871.9	34.0
20°-30°	3485.9	30.6
30°-40°	1724.7	15.2
40°-50°	262.4	2.3
50°-60°	10.8	0.1
60°-70°	13.9	0.1
70°-80°	5.2	0.0
80°-90°	8.1	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°	9355.9	82.2
0°-40°	11080.6	97.4
0°-60°	11353.8	99.8
0°-90°	11381.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11381.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22879	
5°	22041	###
15°	13872	3872
25°	7708	3486
35°	2792	1725
45°	290	262
55°	4	11
65°	8	14
75°	8	5
85°	12	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	22878.6
1°	22831.0
2°	22842.7
3°	22727.6
4°	22517.2
5°	22040.6
6°	21675.3
7°	21095.5
8°	20317.1
9°	19506.9
10°	18529.9
11°	17656.3
12°	16719.1
13°	15682.6
14°	14789.1
15°	13871.6
16°	13089.3
17°	12398.4
18°	11548.5
19°	10924.9
20°	10313.5
21°	9677.9
22°	9213.4
23°	8673.3
24°	8176.8
25°	7708.2
26°	7156.2
27°	6659.9
28°	6215.0
29°	5726.5
30°	5023.7
31°	4626.6
32°	4126.1
33°	3578.1
34°	3161.1
35°	2791.7
37.5°	1767.1
40°	798.3
42.5°	544.1
45°	289.9
47.5°	162.8
50°	4.0
52.5°	15.9
55°	4.0
57.5°	23.9



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CANDELA DISTRIBUTION (continued):

	0°
60°	4.0
62.5°	19.9
65°	8.0
67.5°	19.9
70°	11.9
72.5°	4.0
75°	8.0
77.5°	0.0
80°	4.0
82.5°	15.9
85°	11.9
87.5°	0.0
90°	0.0

(END OF REPORT)