

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: P250760

Luminaire Tested: **LSR8B120D010 EC8B120935 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250760
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13935)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B120D010 EC8B120935 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10492.0 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

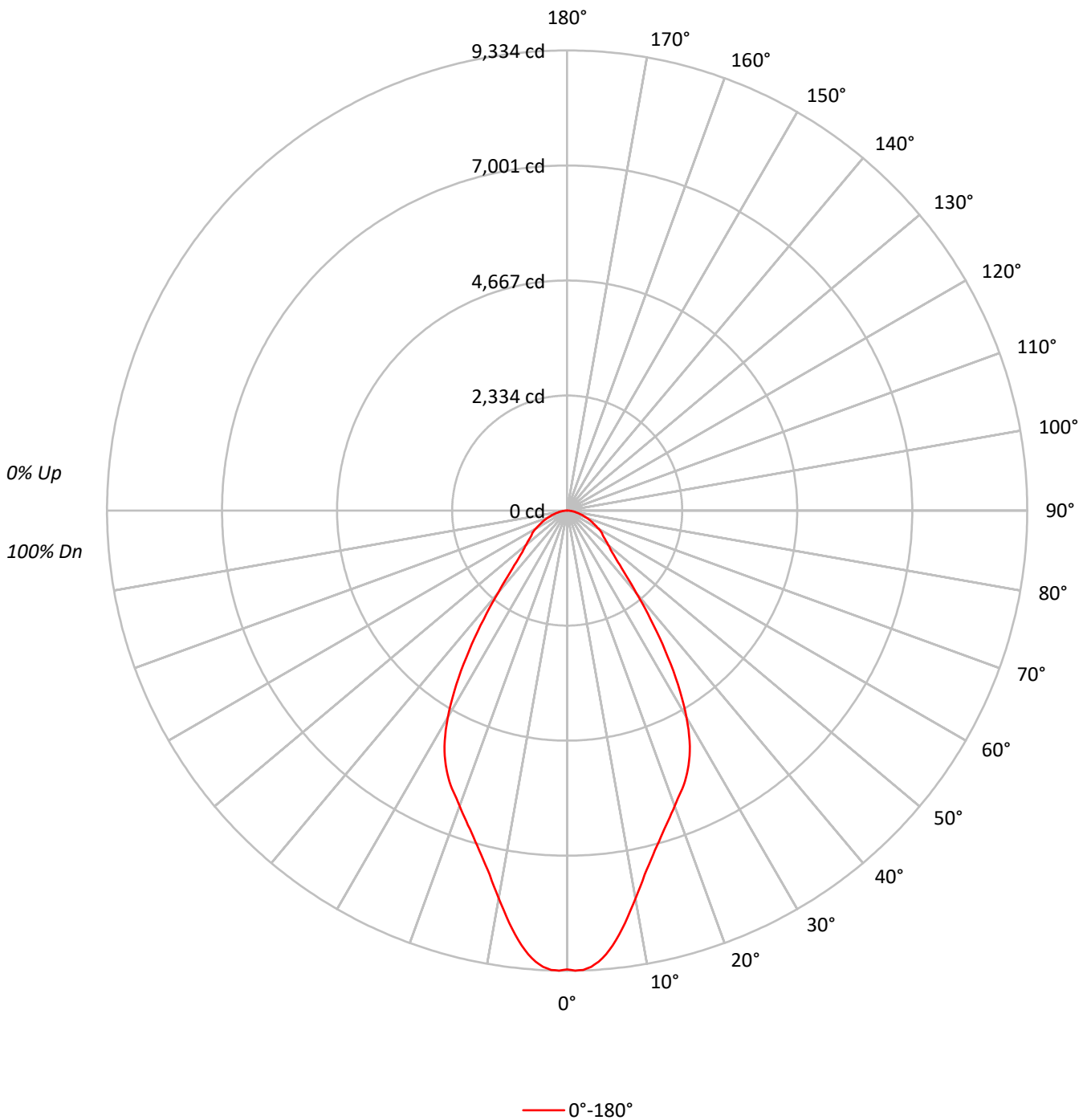
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65
5	85	75	68	63	83	74	67	62	72	66	62	70	65	61	69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	56	49	44	54	48	44	54	48	44	53	48	44	42
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	50	45	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	286990
5°	279723
10°	250073
15°	224727
20°	209283
25°	197163
30°	172393
35°	130610
40°	87733
45°	61820
50°	52425
55°	47815
60°	45305
65°	40751
70°	36668
75°	32907
80°	29105
85°	27951



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	827.1	7.9
10°-20°	1985.2	18.9
20°-30°	2630.8	25.1
30°-40°	2157.3	20.6
40°-50°	1149.0	11.0
50°-60°	808.7	7.7
60°-70°	557.6	5.3
70°-80°	290.4	2.8
80°-90°	85.9	0.8
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°	5443.1	51.9
0°-40°	7600.4	72.4
0°-60°	9558.0	91.1
0°-90°	10492.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10492.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9307	
5°	9037	827
15°	7039	1985
25°	5795	2631
35°	3470	2157
45°	1418	1149
55°	889	809
65°	558	558
75°	276	290
85°	79	86
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9306.9
1°	9334.3
2°	9322.1
3°	9267.4
4°	9173.4
5°	9036.7
6°	8866.8
7°	8663.4
8°	8444.8
9°	8211.1
10°	7986.5
11°	7770.9
12°	7552.4
13°	7370.2
14°	7197.3
15°	7039.4
16°	6890.6
17°	6754.1
18°	6626.5
19°	6499.1
20°	6377.6
21°	6259.2
22°	6156.1
23°	6049.8
24°	5925.4
25°	5794.8
26°	5646.1
27°	5479.1
28°	5290.9
29°	5081.5
30°	4841.6
31°	4589.7
32°	4325.7
33°	4043.3
34°	3761.0
35°	3469.6
37.5°	2780.5
40°	2179.5
42.5°	1721.2
45°	1417.6
47.5°	1217.3
50°	1092.8
52.5°	983.5
55°	889.4
57.5°	831.7



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CANDELA DISTRIBUTION (continued):

	0°
60°	734.6
62.5°	640.5
65°	558.5
67.5°	485.7
70°	406.7
72.5°	340.0
75°	276.2
77.5°	200.3
80°	163.9
82.5°	118.4
85°	79.0
87.5°	36.4
90°	0.0

(END OF REPORT)