

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: P250046

Luminaire Tested: **LSR8B120D010 EC8B120830 8LBN0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250046
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 EC8B120830 8LBN0WH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11017.1 lumens
Efficiency: N/A
Efficacy: 93.1 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

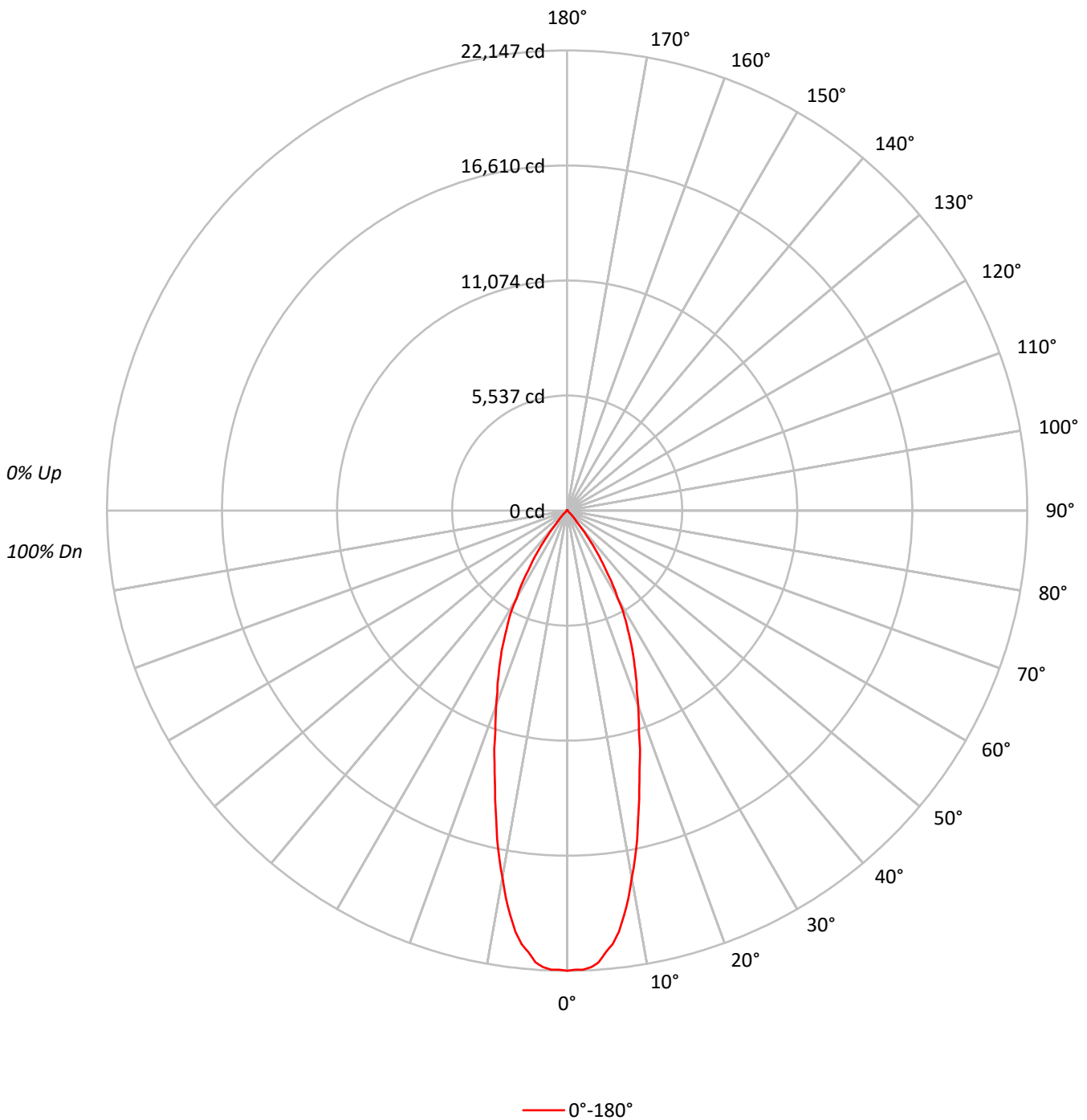
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	682926
5°	660427
10°	561653
15°	428677
20°	327615
25°	253878
30°	173155
35°	101733
40°	31108
45°	12237
50°	187
55°	210
60°	241
65°	562
70°	1046
75°	917
80°	693
85°	4104



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1934.2	17.6
10°-20°	3748.0	34.0
20°-30°	3374.5	30.6
30°-40°	1669.5	15.2
40°-50°	254.0	2.3
50°-60°	10.4	0.1
60°-70°	13.4	0.1
70°-80°	5.1	0.0
80°-90°	7.9	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°	9056.7	82.2
0°-40°	10726.2	97.4
0°-60°	10990.7	99.8
0°-90°	11017.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11017.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22147	
5°	21336	###
15°	13428	3748
25°	7462	3374
35°	2702	1670
45°	281	254
55°	4	10
65°	8	13
75°	8	5
85°	12	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	22146.8
1°	22100.8
2°	22112.1
3°	22000.7
4°	21797.0
5°	21335.7
6°	20982.0
7°	20420.8
8°	19667.3
9°	18883.0
10°	17937.3
11°	17091.6
12°	16184.4
13°	15181.0
14°	14316.1
15°	13428.0
16°	12670.6
17°	12001.8
18°	11179.1
19°	10575.5
20°	9983.6
21°	9368.4
22°	8918.7
23°	8395.9
24°	7915.3
25°	7461.7
26°	6927.3
27°	6446.9
28°	6016.2
29°	5543.4
30°	4863.0
31°	4478.6
32°	3994.2
33°	3463.6
34°	3060.0
35°	2702.5
37.5°	1710.6
40°	772.8
42.5°	526.7
45°	280.6
47.5°	157.6
50°	3.9
52.5°	15.4
55°	3.9
57.5°	23.1



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CANDELA DISTRIBUTION (continued):

	0°
60°	3.9
62.5°	19.3
65°	7.7
67.5°	19.3
70°	11.6
72.5°	3.9
75°	7.7
77.5°	0.0
80°	3.9
82.5°	15.4
85°	11.6
87.5°	0.0
90°	0.0

(END OF REPORT)