

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: P250718

Luminaire Tested: **LSR8B120D010 EC8B120830 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250718
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 EC8B120830 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11832.0 lumens
Efficiency: N/A
Efficacy: 100.0 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

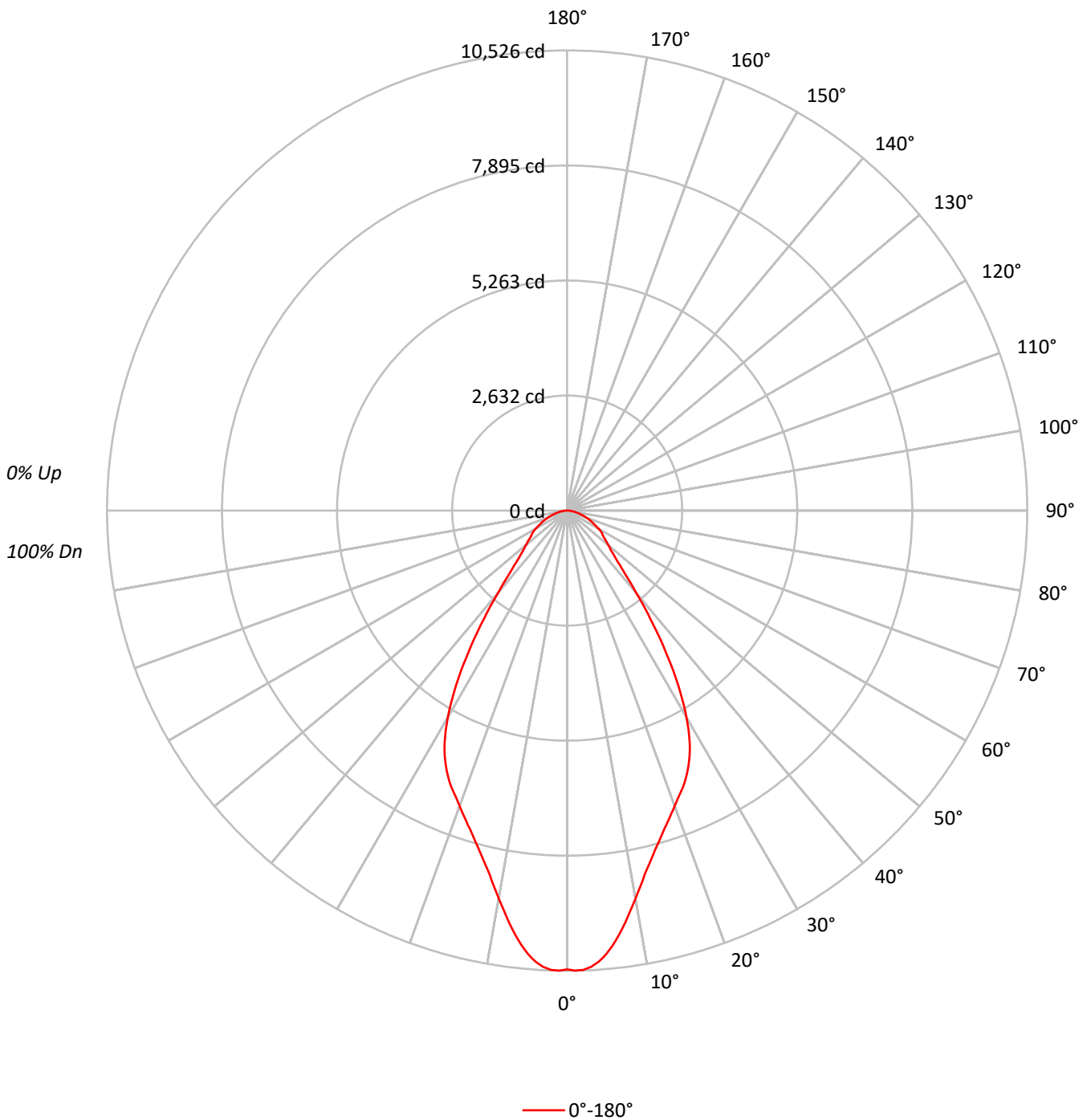
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	323646
5°	315450
10°	282012
15°	253429
20°	236014
25°	222344
30°	194413
35°	147290
40°	98940
45°	69714
50°	59122
55°	53923
60°	51090
65°	45961
70°	41356
75°	37113
80°	32834
85°	31489



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	932.8	7.9
10°-20°	2238.8	18.9
20°-30°	2966.8	25.1
30°-40°	2432.8	20.6
40°-50°	1295.7	11.0
50°-60°	912.0	7.7
60°-70°	628.9	5.3
70°-80°	327.5	2.8
80°-90°	96.8	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°	6138.3	51.9
0°-40°	8571.1	72.4
0°-60°	10778.8	91.1
0°-90°	11832.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11832.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10496	
5°	10191	933
15°	7938	2239
25°	6535	2967
35°	3913	2433
45°	1599	1296
55°	1003	912
65°	630	629
75°	312	328
85°	89	97
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10495.6
1°	10526.4
2°	10512.7
3°	10451.0
4°	10345.0
5°	10190.9
6°	9999.2
7°	9769.9
8°	9523.4
9°	9259.8
10°	9006.5
11°	8763.4
12°	8516.9
13°	8311.5
14°	8116.5
15°	7938.5
16°	7770.7
17°	7616.7
18°	7472.8
19°	7329.1
20°	7192.2
21°	7058.7
22°	6942.3
23°	6822.4
24°	6682.1
25°	6534.9
26°	6367.2
27°	6178.9
28°	5966.7
29°	5730.5
30°	5460.0
31°	5175.9
32°	4878.1
33°	4559.7
34°	4241.4
35°	3912.7
37.5°	3135.7
40°	2457.9
42.5°	1941.0
45°	1598.6
47.5°	1372.7
50°	1232.4
52.5°	1109.2
55°	1003.0
57.5°	937.9



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CANDELA DISTRIBUTION (continued):

	0°
60°	828.4
62.5°	722.3
65°	629.9
67.5°	547.7
70°	458.7
72.5°	383.4
75°	311.5
77.5°	225.9
80°	184.9
82.5°	133.5
85°	89.0
87.5°	41.0
90°	0.0

(END OF REPORT)