

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: P250543

Luminaire Tested: **LSR8B120D010 EC8B120827 8LBM0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250543
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13928)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B120D010 EC8B120827 8LBM0B
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7374.0 lumens
Efficiency: N/A
Efficacy: 62.3 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.87
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

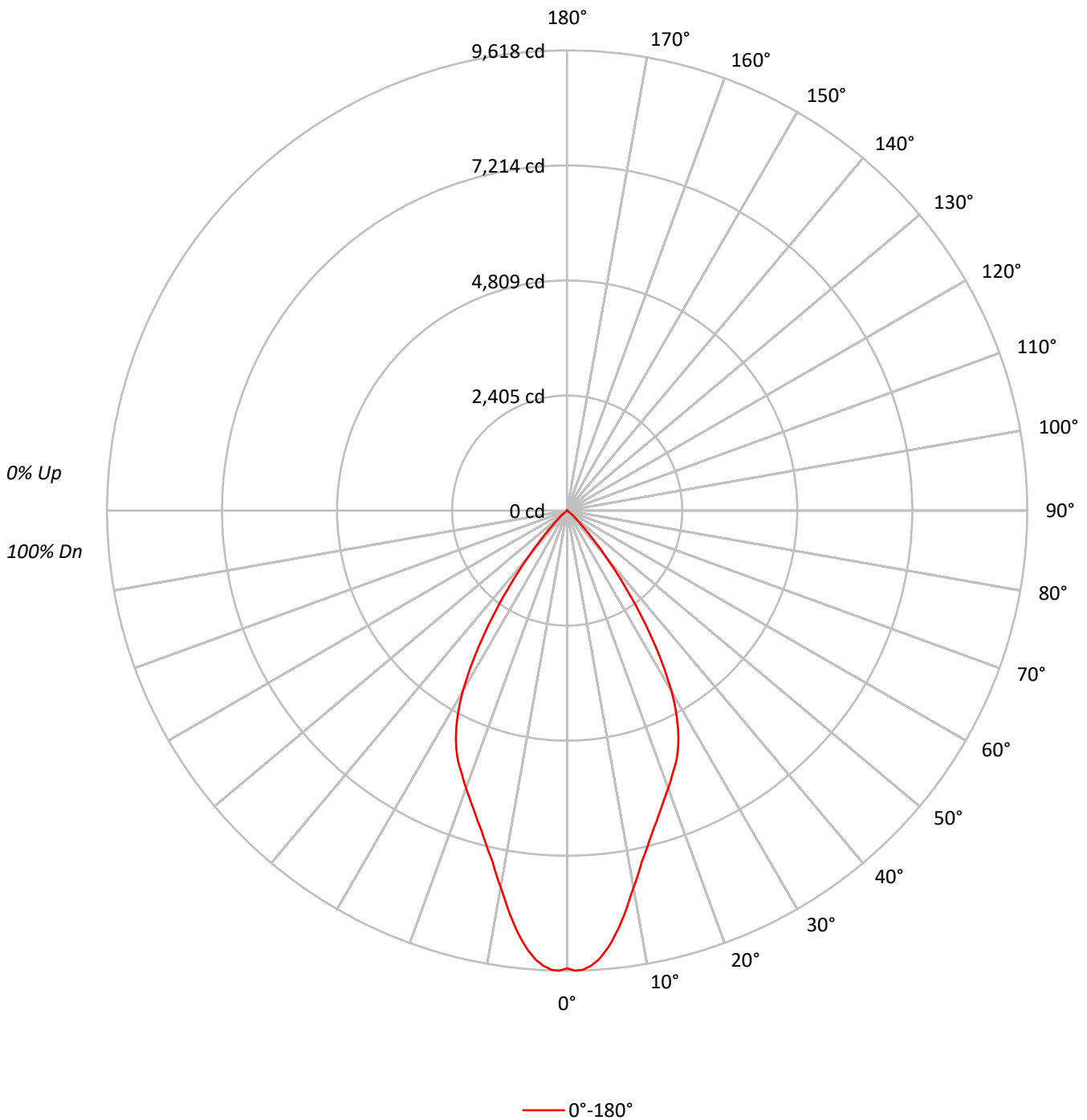
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	96	92	88	101	95	91	87	92	89	86	90	87	84	88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	77	76
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	72	71
6	88	79	74	69	87	79	73	69	77	72	69	76	71	68	74	71	68	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	70	66	63	62
8	80	70	64	60	79	70	64	60	69	64	60	68	63	60	67	63	60	58
9	76	66	61	57	75	66	60	57	65	60	56	64	60	56	63	59	56	55
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	295042
5°	286022
10°	250496
15°	221154
20°	202651
25°	186598
30°	155306
35°	103156
40°	50205
45°	18185
50°	5469
55°	382
60°	0
65°	263
70°	0
75°	0
80°	639
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	840.4	11.4
10°-20°	1951.7	26.5
20°-30°	2476.0	33.6
30°-40°	1696.3	23.0
40°-50°	386.6	5.2
50°-60°	19.3	0.3
60°-70°	0.9	0.0
70°-80°	1.4	0.0
80°-90°	1.5	0.0
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°	5268.1	71.4
0°-40°	6964.4	94.4
0°-60°	7370.2	99.9
0°-90°	7374.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7374.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9568	
5°	9240	840
15°	6928	1952
25°	5484	2476
35°	2740	1696
45°	417	387
55°	7	19
65°	4	1
75°	0	1
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9568.0
1°	9617.9
2°	9600.0
3°	9528.8
4°	9407.6
5°	9240.2
6°	9037.0
7°	8801.9
8°	8541.7
9°	8263.7
10°	8000.0
11°	7757.7
12°	7497.6
13°	7308.8
14°	7109.2
15°	6927.5
16°	6763.5
17°	6603.1
18°	6453.5
19°	6307.4
20°	6175.5
21°	6040.1
22°	5901.1
23°	5780.0
24°	5644.6
25°	5484.3
26°	5306.0
27°	5099.4
28°	4878.4
29°	4632.6
30°	4361.7
31°	4055.3
32°	3738.1
33°	3406.7
34°	3068.1
35°	2740.3
37.5°	1935.0
40°	1247.2
42.5°	734.1
45°	417.0
47.5°	224.5
50°	114.0
52.5°	21.4
55°	7.1
57.5°	3.6



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CANDELA DISTRIBUTION (continued):

	0°
60°	0.0
62.5°	0.0
65°	3.6
67.5°	0.0
70°	0.0
72.5°	3.6
75°	0.0
77.5°	0.0
80°	3.6
82.5°	0.0
85°	0.0
87.5°	3.6
90°	0.0

(END OF REPORT)