

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: P250549

Luminaire Tested: **LSR8B100D010 EC8B100830 8LBM0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250549
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: LSR8B100D010 EC8B100830 8LBM0B
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6667.9 lumens
Efficiency: N/A
Efficacy: 62.7 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

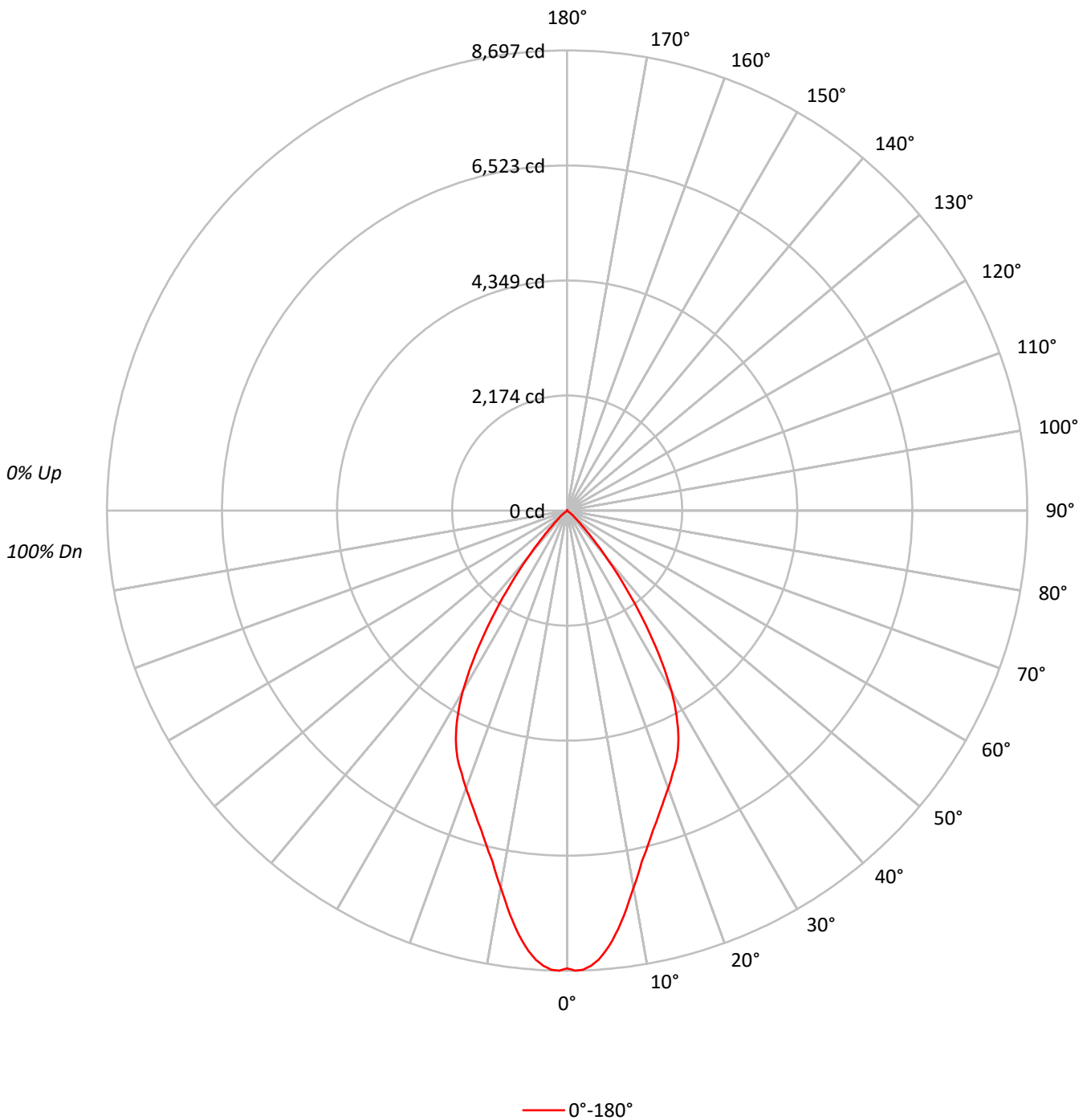
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	266796
5°	258637
10°	226514
15°	199979
20°	183251
25°	168732
30°	140436
35°	93279
40°	45398
45°	16441
50°	4946
55°	349
60°	0
65°	233
70°	0
75°	0
80°	568
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	759.9	11.4
10°-20°	1764.8	26.5
20°-30°	2239.0	33.6
30°-40°	1533.9	23.0
40°-50°	349.5	5.2
50°-60°	17.4	0.3
60°-70°	0.8	0.0
70°-80°	1.3	0.0
80°-90°	1.3	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°	4763.8	71.4
0°-40°	6297.6	94.4
0°-60°	6664.6	99.9
0°-90°	6667.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6667.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8652	
5°	8356	760
15°	6264	1765
25°	4959	2239
35°	2478	1534
45°	377	350
55°	6	17
65°	3	1
75°	0	1
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8652.0
1°	8697.1
2°	8680.9
3°	8616.5
4°	8506.9
5°	8355.5
6°	8171.8
7°	7959.1
8°	7723.9
9°	7472.5
10°	7234.1
11°	7015.0
12°	6779.8
13°	6609.0
14°	6428.5
15°	6264.2
16°	6116.0
17°	5970.9
18°	5835.6
19°	5703.5
20°	5584.3
21°	5461.8
22°	5336.1
23°	5226.6
24°	5104.2
25°	4959.2
26°	4798.0
27°	4611.2
28°	4411.4
29°	4189.0
30°	3944.1
31°	3667.0
32°	3380.2
33°	3080.5
34°	2774.4
35°	2477.9
37.5°	1749.7
40°	1127.8
42.5°	663.8
45°	377.0
47.5°	203.0
50°	103.1
52.5°	19.3
55°	6.5
57.5°	3.2



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CANDELA DISTRIBUTION (continued):

	0°
60°	0.0
62.5°	0.0
65°	3.2
67.5°	0.0
70°	0.0
72.5°	3.2
75°	0.0
77.5°	0.0
80°	3.2
82.5°	0.0
85°	0.0
87.5°	3.2
90°	0.0

(END OF REPORT)