

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: P246984

Luminaire Tested: **LSR8B100D010 EC8B100940 8LBM0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246984
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-81)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B100D010 EC8B100940 8LBMOLI
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9956.0 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.75
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

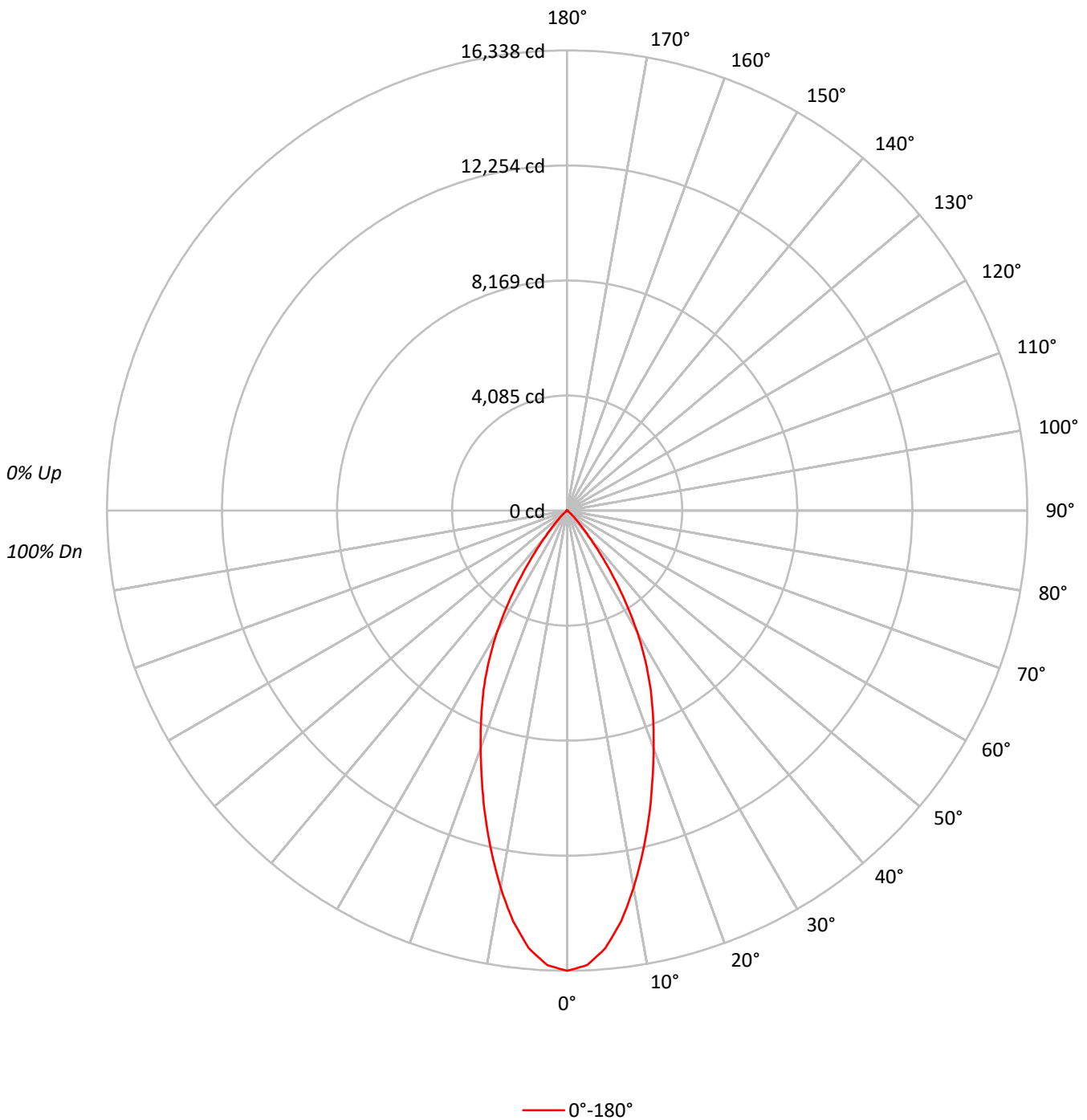
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P246984

CATALOG NUMBER: LSR8B100D010 EC8B100940 8LBM0LI

Luminous Intensity Polar Plot





TEST NUMBER: P246984

CATALOG NUMBER: LSR8B100D010 EC8B100940 8LBM0LI

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	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	79	75	71	78	74	71	77	73	70	69
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65
8	82	73	68	64	81	73	67	64	72	67	63	71	66	63	70	66	63	62
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	67	63	60	58
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	64	60	57	55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	503807
5°	482804
10°	425724
15°	358779
20°	294580
25°	238761
30°	176759
35°	106398
40°	47383
45°	18425
50°	6606
55°	1930
60°	1357
65°	1014
70°	108
75°	548
80°	0
85°	1628



TEST NUMBER: P246984

CATALOG NUMBER: LSR8B100D010 EC8B100940 8LBM0LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1424.0	14.3
10°-20°	3121.5	31.4
20°-30°	3183.5	32.0
30°-40°	1783.0	17.9
40°-50°	380.2	3.8
50°-60°	47.1	0.5
60°-70°	12.3	0.1
70°-80°	2.9	0.0
80°-90°	1.6	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°	7729.0	77.6
0°-40°	9511.9	95.5
0°-60°	9939.2	99.8
0°-90°	9956.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9956.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16338	
5°	15597	###
15°	11238	3122
25°	7017	3183
35°	2826	1783
45°	422	380
55°	36	47
65°	14	12
75°	5	3
85°	5	2
90°	0	



TEST NUMBER: P246984

CATALOG NUMBER: LSR8B100D010 EC8B100940 8LBM0LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	16338.1
2.5°	16154.1
5°	15597.4
7.5°	14701.5
10°	13596.2
12.5°	12409.8
15°	11238.5
17.5°	10060.3
20°	8976.9
22.5°	7968.8
25°	7017.4
27.5°	6018.6
30°	4964.2
32.5°	3862.3
35°	2826.4
37.5°	1893.5
40°	1177.1
42.5°	703.7
45°	422.5
47.5°	235.0
50°	137.7
52.5°	72.9
55°	35.9
57.5°	25.5
60°	22.0
62.5°	10.4
65°	13.9
67.5°	13.9
70°	1.2
72.5°	3.5
75°	4.6
77.5°	2.3
80°	0.0
82.5°	1.2
85°	4.6
87.5°	0.0
90°	0.0

(END OF REPORT)