

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: P243852

Luminaire Tested: **LSR8B10D010 EC8B10950 8LBW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P243852
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27941)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B10D010 EC8B10950 8LBW0LI
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1108.0 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

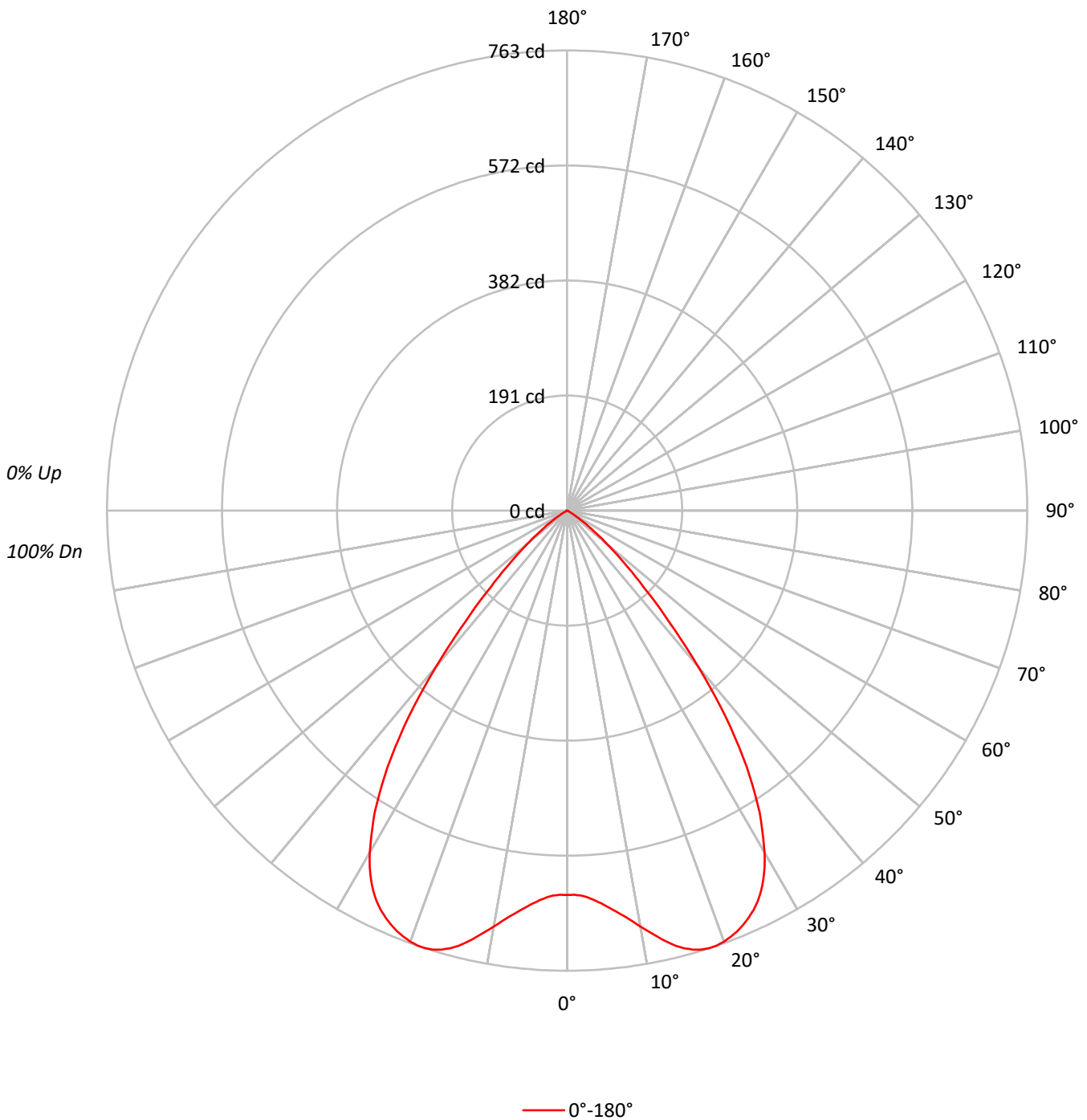
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P243852

CATALOG NUMBER: LSR8B10D010 EC8B10950 8LBW0LI

Luminous Intensity Polar Plot





TEST NUMBER: P243852

CATALOG NUMBER: LSR8B10D010 EC8B10950 8LBW0LI

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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	72	70
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54
8	74	63	56	52	72	62	56	52	61	55	51	60	55	51	59	54	51	49
9	70	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	19658
5°	20241
10°	21928
15°	23991
20°	24959
25°	24868
30°	23326
35°	19560
40°	13618
45°	7802
50°	4188
55°	1726
60°	432
65°	109
70°	54
75°	36
80°	53
85°	0



TEST NUMBER: P243852

CATALOG NUMBER: LSR8B10D010 EC8B10950 8LBW0LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.9	5.8
10°-20°	211.8	19.1
20°-30°	333.3	30.1
30°-40°	317.0	28.6
40°-50°	146.1	13.2
50°-60°	33.2	3.0
60°-70°	2.2	0.2
70°-80°	0.4	0.0
80°-90°	0.0	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°	609.0	55.0
0°-40°	926.0	83.6
0°-60°	1105.4	99.8
0°-90°	1108.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1108.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	638	
5°	654	64
15°	752	212
25°	731	333
35°	520	317
45°	179	146
55°	32	33
65°	2	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P243852

CATALOG NUMBER: LSR8B10D010 EC8B10950 8LBW0LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	637.5
1°	637.2
2°	638.4
3°	642.1
4°	647.5
5°	653.9
6°	661.8
7°	670.2
8°	679.0
9°	689.3
10°	700.3
11°	711.2
12°	722.7
13°	733.6
14°	743.6
15°	751.5
16°	757.2
17°	761.2
18°	763.0
19°	762.7
20°	760.6
21°	756.9
22°	752.4
23°	746.3
24°	739.4
25°	730.9
26°	720.9
27°	708.1
28°	693.0
29°	675.4
30°	655.1
32.5°	594.2
35°	519.6
37.5°	432.9
40°	338.3
42.5°	250.1
45°	178.9
47.5°	126.7
50°	87.3
52.5°	55.8
55°	32.1
57.5°	16.1
60°	7.0
62.5°	2.7
65°	1.5



TEST NUMBER: P243852

CATALOG NUMBER: LSR8B10D010 EC8B10950 8LBW0LI

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.9
70°	0.6
72.5°	0.6
75°	0.3
77.5°	0.3
80°	0.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)