

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: P250299

Luminaire Tested: **LSR8B150D010 EC8B150830 8LBN0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250299
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13948)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B150D010 EC8B150830 8LBN0GPH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12233.0 lumens
Efficiency: N/A
Efficacy: 77.2 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.77
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

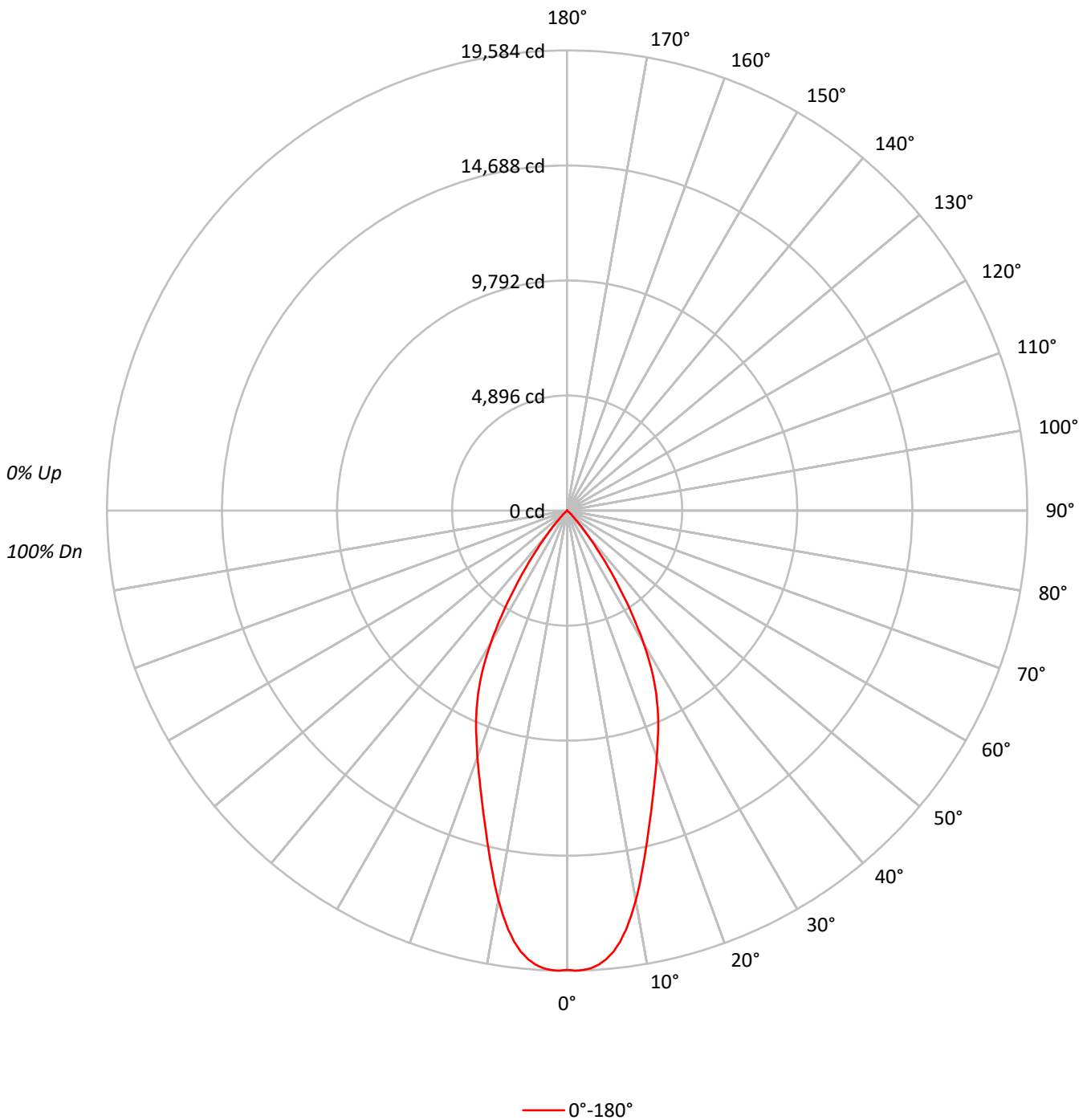
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250299

CATALOG NUMBER: LSR8B150D010 EC8B150830 8LBN0GPH

Luminous Intensity Polar Plot





TEST NUMBER: P250299

CATALOG NUMBER: LSR8B150D010 EC8B150830 8LBN0GPH

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	112	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	88	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	90	82	77	73	89	81	76	72	80	75	72	79	75	71	77	74	71	70
7	86	78	72	68	85	77	72	68	76	71	68	75	71	67	74	70	67	66
8	83	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	602761
5°	593130
10°	526984
15°	434714
20°	366117
25°	308799
30°	231212
35°	130851
40°	51738
45°	13890
50°	2662
55°	0
60°	382
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P250299

CATALOG NUMBER: LSR8B150D010 EC8B150830 8LBN0GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1754.7	14.3
10°-20°	3813.8	31.2
20°-30°	4094.4	33.5
30°-40°	2212.9	18.1
40°-50°	345.3	2.8
50°-60°	9.4	0.1
60°-70°	2.3	0.0
70°-80°	0.0	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°	9663.0	79.0
0°-40°	11876.0	97.1
0°-60°	12230.7	100.0
0°-90°	12233.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12233.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19547	
5°	19162	###
15°	13617	3814
25°	9076	4094
35°	3476	2213
45°	318	345
55°	0	9
65°	0	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P250299

CATALOG NUMBER: LSR8B150D010 EC8B150830 8LBN0GPH

CANDELA DISTRIBUTION (FULL):

0°	
0°	19547.1
1°	19584.2
2°	19565.8
3°	19498.8
4°	19370.1
5°	19161.6
6°	18874.6
7°	18488.4
8°	18005.0
9°	17448.7
10°	16830.1
11°	16181.2
12°	15508.0
13°	14835.4
14°	14210.5
15°	13617.1
16°	13072.4
17°	12546.0
18°	12056.3
19°	11597.9
20°	11156.9
21°	10728.3
22°	10324.1
23°	9920.8
24°	9498.5
25°	9075.9
26°	8647.4
27°	8158.1
28°	7619.2
29°	7069.1
30°	6493.5
31°	5875.5
32°	5256.8
33°	4645.0
34°	4027.0
35°	3476.0
37.5°	2221.5
40°	1285.3
42.5°	685.7
45°	318.5
47.5°	171.7
50°	55.5
52.5°	6.2
55°	0.0
57.5°	6.2



TEST NUMBER: P250299

CATALOG NUMBER: LSR8B150D010 EC8B150830 8LBN0GPH

CANDELA DISTRIBUTION (continued):

	0°
60°	6.2
62.5°	0.0
65°	0.0
67.5°	6.2
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)