

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: P250047

Luminaire Tested: **LSR8B150D010 EC8B150830 8LBN0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250047
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13946)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B150D010 EC8B150830 8LBN0WH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14060.0 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.66
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

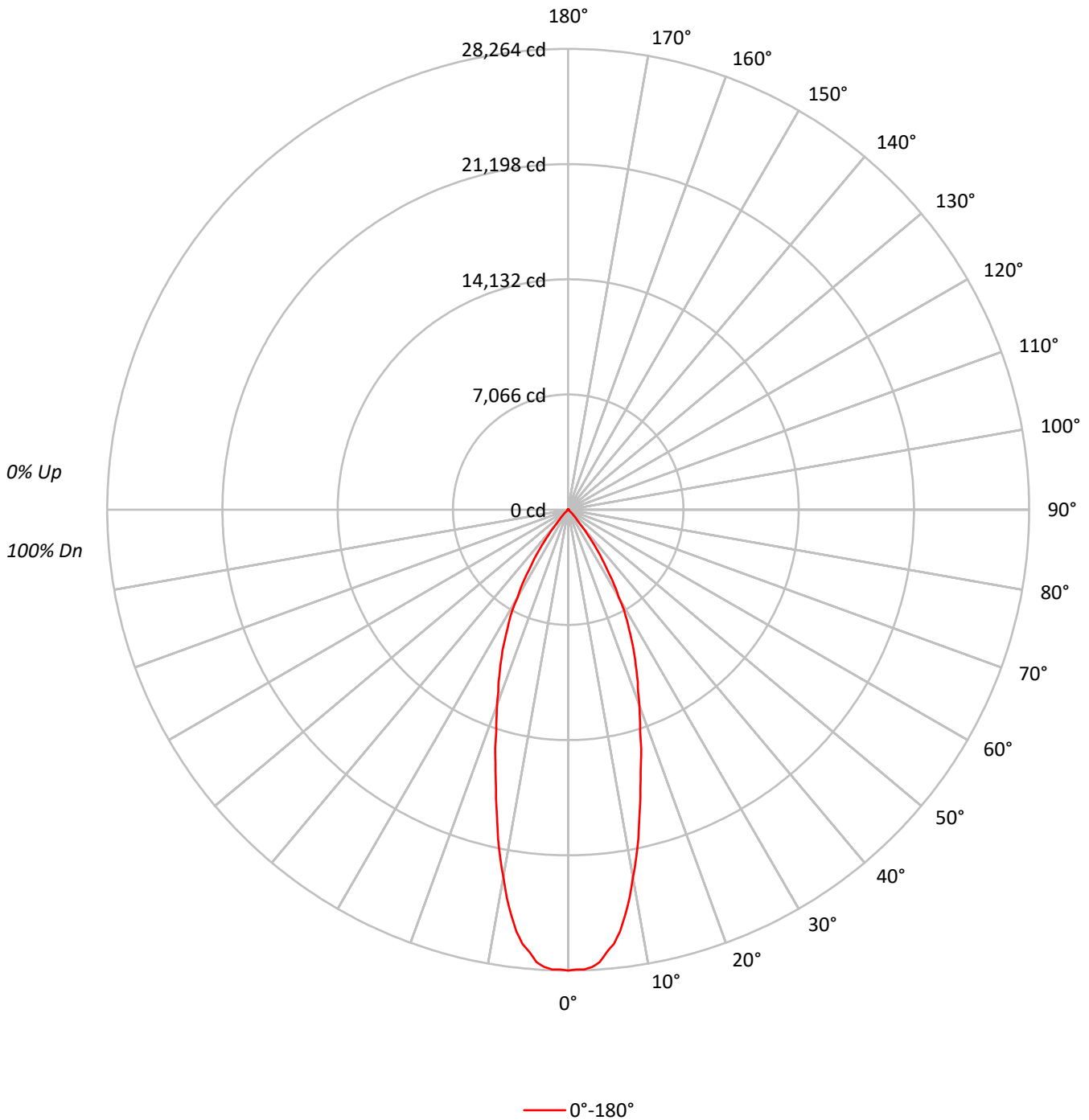
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250047

CATALOG NUMBER: LSR8B150D010 EC8B150830 8LBN0WH

Luminous Intensity Polar Plot





TEST NUMBER: P250047

CATALOG NUMBER: LSR8B150D010 EC8B150830 8LBN0WH

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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	105	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	85
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76
6	92	84	79	75	90	83	78	74	82	77	74	80	76	74	79	76	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	65
9	81	72	67	64	80	72	67	64	71	66	63	70	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	63	60	67	63	60	67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	871558
5°	842843
10°	716785
15°	547080
20°	418107
25°	324001
30°	220982
35°	129831
40°	39698
45°	15616
50°	235
55°	263
60°	302
65°	715
70°	1334
75°	1168
80°	870
85°	5236



TEST NUMBER: P250047

CATALOG NUMBER: LSR8B150D010 EC8B150830 8LBN0WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2468.5	17.6
10°-20°	4783.3	34.0
20°-30°	4306.5	30.6
30°-40°	2130.7	15.2
40°-50°	324.1	2.3
50°-60°	13.3	0.1
60°-70°	17.1	0.1
70°-80°	6.5	0.0
80°-90°	10.1	0.1
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°	11558.3	82.2
0°-40°	13688.9	97.4
0°-60°	14026.4	99.8
0°-90°	14060.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14060.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	28264	
5°	27229	###
15°	17137	4783
25°	9523	4307
35°	3449	2131
45°	358	324
55°	5	13
65°	10	17
75°	10	6
85°	15	10
90°	0	



TEST NUMBER: P250047

CATALOG NUMBER: LSR8B150D010 EC8B150830 8LBN0WH

CANDELA DISTRIBUTION (FULL):

0°	
0°	28264.0
1°	28205.2
2°	28219.7
3°	28077.5
4°	27817.6
5°	27228.8
6°	26777.4
7°	26061.2
8°	25099.6
9°	24098.7
10°	22891.7
11°	21812.5
12°	20654.7
13°	19374.1
14°	18270.3
15°	17136.9
16°	16170.4
17°	15316.8
18°	14266.9
19°	13496.5
20°	12741.2
21°	11956.1
22°	11382.1
23°	10714.9
24°	10101.5
25°	9522.7
26°	8840.7
27°	8227.6
28°	7678.0
29°	7074.5
30°	6206.2
31°	5715.7
32°	5097.4
33°	4420.3
34°	3905.2
35°	3448.9
37.5°	2183.1
40°	986.2
42.5°	672.2
45°	358.1
47.5°	201.1
50°	4.9
52.5°	19.7
55°	4.9
57.5°	29.5



TEST NUMBER: P250047

CATALOG NUMBER: LSR8B150D010 EC8B150830 8LBN0WH

CANDELA DISTRIBUTION (continued):

	0°
60°	4.9
62.5°	24.6
65°	9.8
67.5°	24.6
70°	14.8
72.5°	4.9
75°	9.8
77.5°	0.0
80°	4.9
82.5°	19.7
85°	14.8
87.5°	0.0
90°	0.0

(END OF REPORT)