

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: P250068

Luminaire Tested: **LSR8B150D010 EC8B150850 8LBN0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250068
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 EC8B150850 8LBN0WH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14809.0 lumens
Efficiency: N/A
Efficacy: 93.4 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

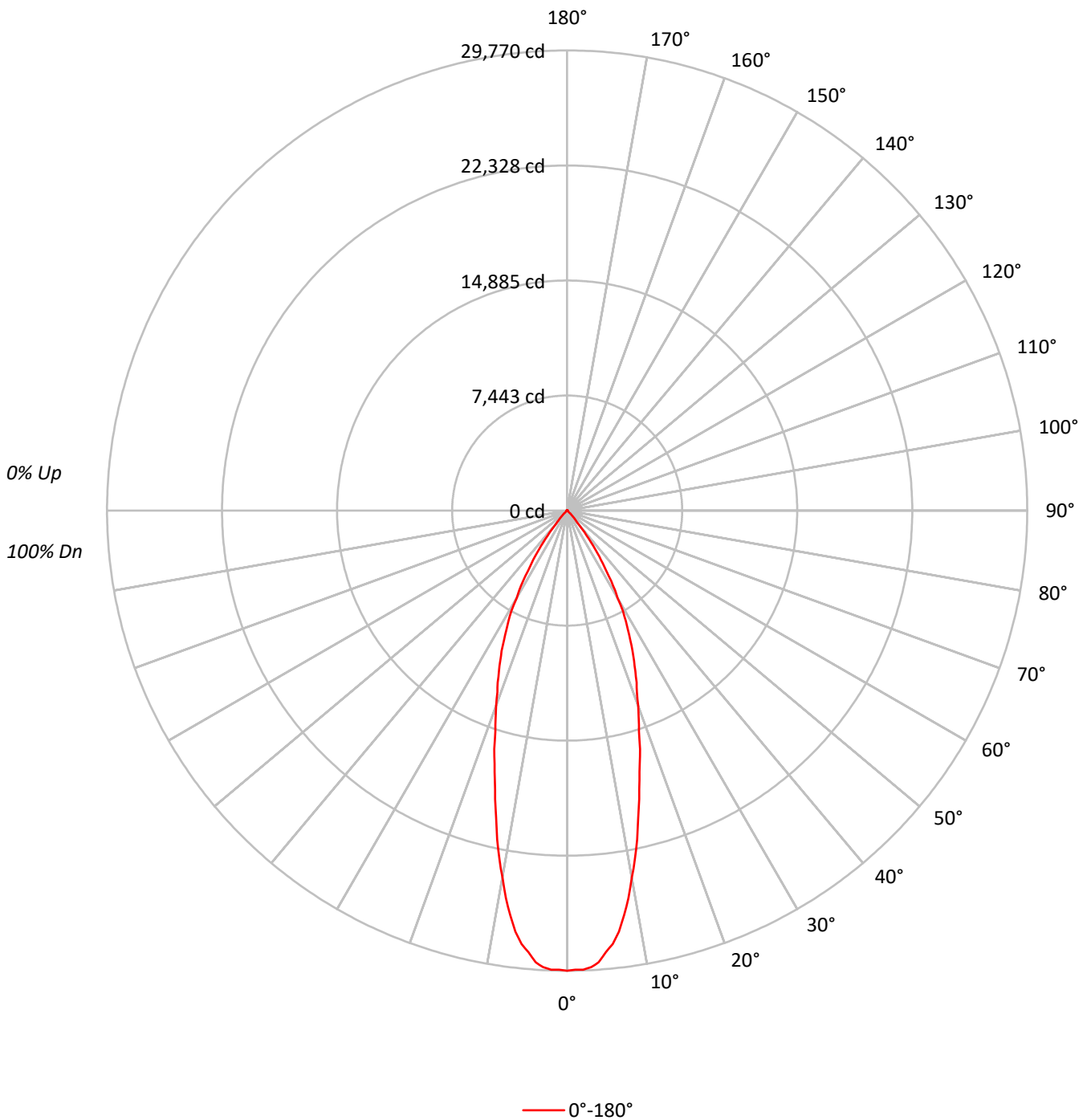
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250068

CATALOG NUMBER: LSR8B150D010 EC8B150850 8LBN0WH

Luminous Intensity Polar Plot





TEST NUMBER: P250068

CATALOG NUMBER: LSR8B150D010 EC8B150850 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°	917988
5°	887745
10°	754970
15°	576224
20°	440378
25°	341262
30°	232754
35°	136746
40°	41812
45°	16449
50°	249
55°	280
60°	321
65°	759
70°	1397
75°	1239
80°	923
85°	5484



TEST NUMBER: P250068

CATALOG NUMBER: LSR8B150D010 EC8B150850 8LBN0WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2600.0	17.6
10°-20°	5038.1	34.0
20°-30°	4535.9	30.6
30°-40°	2244.2	15.2
40°-50°	341.4	2.3
50°-60°	14.0	0.1
60°-70°	18.0	0.1
70°-80°	6.8	0.0
80°-90°	10.6	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°	12174.0	82.2
0°-40°	14418.1	97.4
0°-60°	14773.6	99.8
0°-90°	14809.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14809.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	29770	
5°	28679	###
15°	18050	5038
25°	10030	4536
35°	3633	2244
45°	377	341
55°	5	14
65°	10	18
75°	10	7
85°	16	11
90°	0	



TEST NUMBER: P250068

CATALOG NUMBER: LSR8B150D010 EC8B150850 8LBN0WH

CANDELA DISTRIBUTION (FULL):

0°	
0°	29769.7
1°	29707.7
2°	29723.0
3°	29573.2
4°	29299.4
5°	28679.4
6°	28203.9
7°	27449.6
8°	26436.7
9°	25382.5
10°	24111.2
11°	22974.4
12°	21755.0
13°	20406.2
14°	19243.6
15°	18049.8
16°	17031.8
17°	16132.8
18°	15026.9
19°	14215.5
20°	13419.9
21°	12593.0
22°	11988.4
23°	11285.7
24°	10639.7
25°	10030.0
26°	9311.6
27°	8665.9
28°	8087.0
29°	7451.4
30°	6536.8
31°	6020.1
32°	5369.0
33°	4655.8
34°	4113.2
35°	3632.6
37.5°	2299.4
40°	1038.7
42.5°	708.0
45°	377.2
47.5°	211.8
50°	5.2
52.5°	20.7
55°	5.2
57.5°	31.1



TEST NUMBER: P250068

CATALOG NUMBER: LSR8B150D010 EC8B150850 8LBN0WH

CANDELA DISTRIBUTION (continued):

	0°
60°	5.2
62.5°	25.9
65°	10.4
67.5°	25.9
70°	15.5
72.5°	5.2
75°	10.4
77.5°	0.0
80°	5.2
82.5°	20.7
85°	15.5
87.5°	0.0
90°	0.0

(END OF REPORT)