

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: P250117

Luminaire Tested: **LSR8B150D010 EC8B1509730 8LBN0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250117
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 EC8B1509730 8LBN0WH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10770.0 lumens
Efficiency: N/A
Efficacy: 67.9 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.66
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

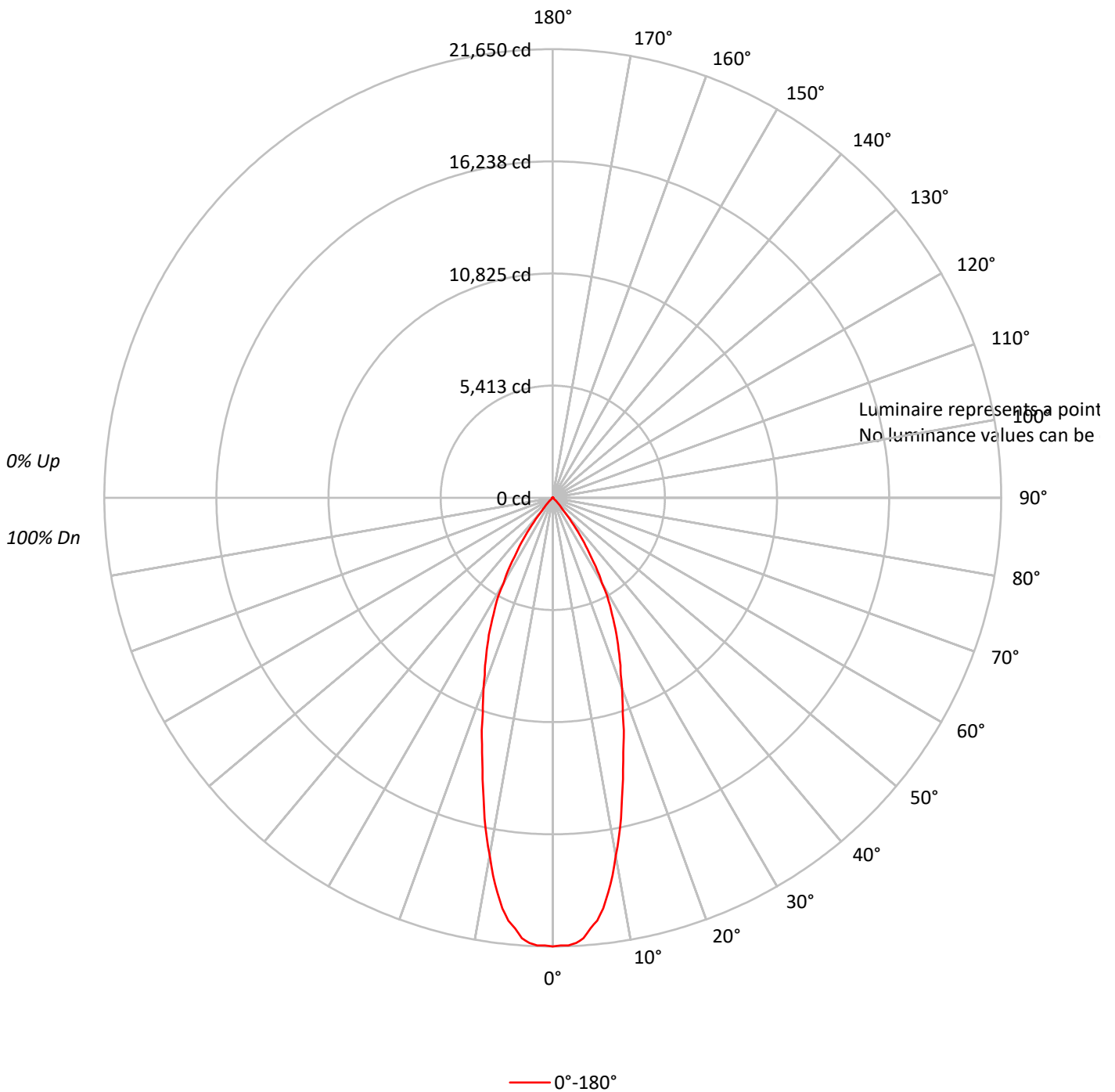
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250117

CATALOG NUMBER: LSR8B150D010 EC8B1509730 8LBN0WH

Luminous Intensity Polar Plot





TEST NUMBER: P250117

CATALOG NUMBER: LSR8B150D010 EC8B1509730 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):





TEST NUMBER: P250117

CATALOG NUMBER: LSR8B150D010 EC8B1509730 8LBN0WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1890.8	17.6
10°-20°	3664.0	34.0
20°-30°	3298.8	30.6
30°-40°	1632.1	15.2
40°-50°	248.3	2.3
50°-60°	10.2	0.1
60°-70°	13.1	0.1
70°-80°	5.0	0.0
80°-90°	7.7	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°	8853.7	82.2
0°-40°	10485.8	97.4
0°-60°	10744.2	99.8
0°-90°	10770.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10770.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21650	
5°	20857	###
15°	13127	3664
25°	7294	3299
35°	2642	1632
45°	274	248
55°	4	10
65°	8	13
75°	8	5
85°	11	8
90°	0	



TEST NUMBER: P250117

CATALOG NUMBER: LSR8B150D010 EC8B1509730 8LBN0WH

CANDELA DISTRIBUTION (FULL):

0°	
0°	21650.3
1°	21605.3
2°	21616.4
3°	21507.4
4°	21308.3
5°	20857.4
6°	20511.6
7°	19963.0
8°	19226.4
9°	18459.7
10°	17535.1
11°	16708.4
12°	15821.6
13°	14840.6
14°	13995.1
15°	13126.9
16°	12386.6
17°	11732.7
18°	10928.5
19°	10338.4
20°	9759.8
21°	9158.4
22°	8718.7
23°	8207.6
24°	7737.8
25°	7294.4
26°	6772.0
27°	6302.3
28°	5881.4
29°	5419.1
30°	4754.0
31°	4378.2
32°	3904.6
33°	3386.0
34°	2991.4
35°	2641.9
37.5°	1672.3
40°	755.4
42.5°	514.9
45°	274.3
47.5°	154.0
50°	3.8
52.5°	15.1
55°	3.8
57.5°	22.6



TEST NUMBER: P250117

CATALOG NUMBER: LSR8B150D010 EC8B1509730 8LBN0WH

CANDELA DISTRIBUTION (continued):

	0°
60°	3.8
62.5°	18.8
65°	7.5
67.5°	18.8
70°	11.3
72.5°	3.8
75°	7.5
77.5°	0.0
80°	3.8
82.5°	15.1
85°	11.3
87.5°	0.0
90°	0.0

(END OF REPORT)