

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: P250362

Luminaire Tested: **LSR8B150D010 EC8B150927 8LBN0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250362
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 EC8B150927 8LBN0GPH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9965.3 lumens
Efficiency: N/A
Efficacy: 62.9 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.77
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

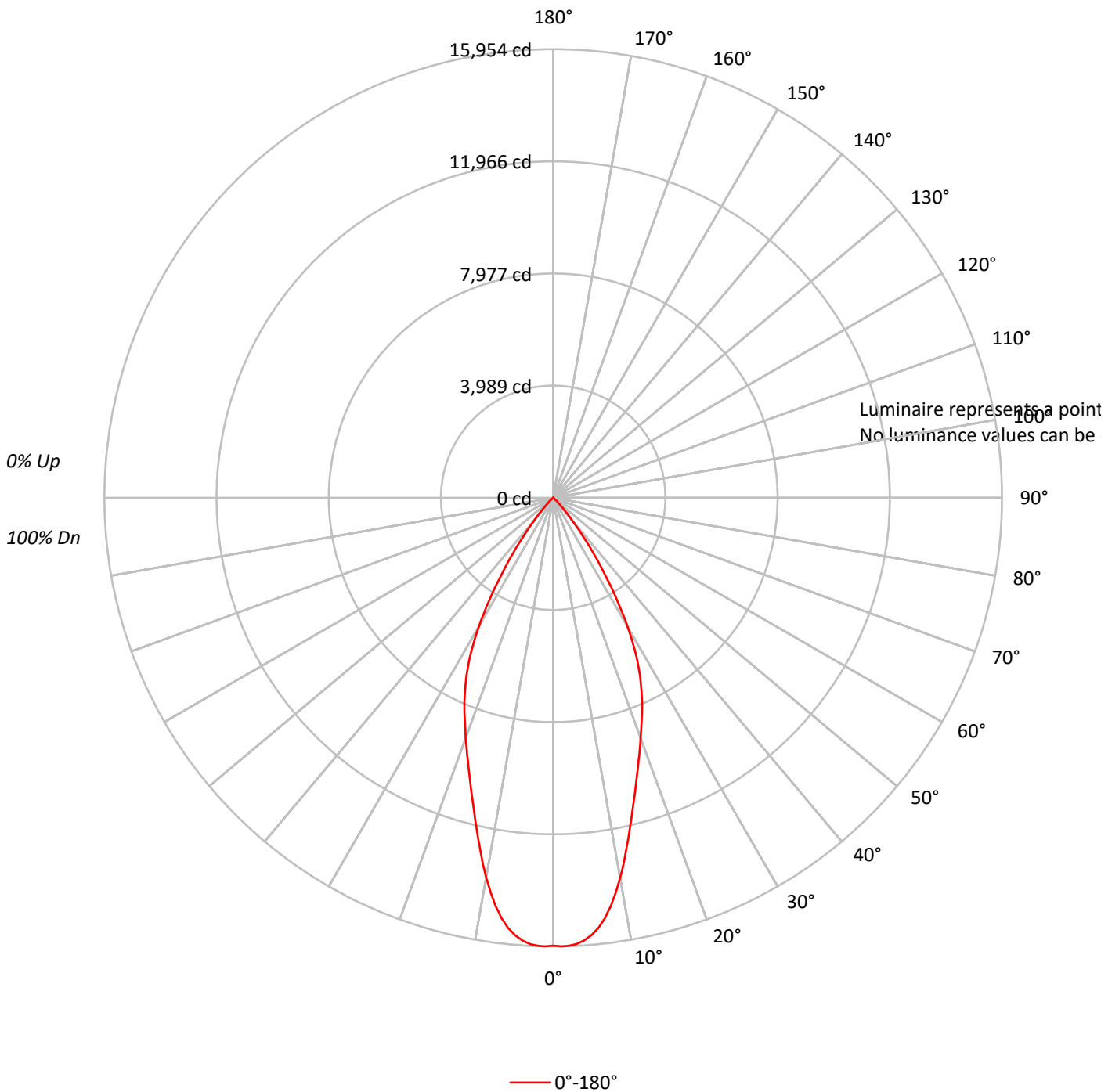
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250362

CATALOG NUMBER: LSR8B150D010 EC8B150927 8LBN0GPH

Luminous Intensity Polar Plot





TEST NUMBER: P250362

CATALOG NUMBER: LSR8B150D010 EC8B150927 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):





TEST NUMBER: P250362

CATALOG NUMBER: LSR8B150D010 EC8B150927 8LBN0GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1429.4	14.3
10°-20°	3106.8	31.2
20°-30°	3335.4	33.5
30°-40°	1802.7	18.1
40°-50°	281.2	2.8
50°-60°	7.7	0.1
60°-70°	1.9	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°	7871.7	79.0
0°-40°	9674.4	97.1
0°-60°	9963.3	100.0
0°-90°	9965.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9965.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15924	
5°	15609	###
15°	11093	3107
25°	7393	3335
35°	2832	1803
45°	259	281
55°	0	8
65°	0	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P250362

CATALOG NUMBER: LSR8B150D010 EC8B150927 8LBN0GPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	15923.5
1°	15953.7
2°	15938.8
3°	15884.1
4°	15779.2
5°	15609.4
6°	15375.6
7°	15061.0
8°	14667.3
9°	14214.0
10°	13710.2
11°	13181.5
12°	12633.1
13°	12085.2
14°	11576.2
15°	11092.8
16°	10649.0
17°	10220.2
18°	9821.4
19°	9447.9
20°	9088.6
21°	8739.6
22°	8410.3
23°	8081.7
24°	7737.6
25°	7393.4
26°	7044.3
27°	6645.7
28°	6206.7
29°	5758.7
30°	5289.8
31°	4786.3
32°	4282.3
33°	3783.9
34°	3280.5
35°	2831.6
37.5°	1809.7
40°	1047.0
42.5°	558.6
45°	259.4
47.5°	139.8
50°	45.2
52.5°	5.1
55°	0.0
57.5°	5.1



TEST NUMBER: P250362

CATALOG NUMBER: LSR8B150D010 EC8B150927 8LBN0GPH

CANDELA DISTRIBUTION (continued):

	0°
60°	5.1
62.5°	0.0
65°	0.0
67.5°	5.1
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)