

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: P250067

Luminaire Tested: **LSR8B120D010 EC8B120850 8LBN0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250067
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: LSR8B120D010 EC8B120850 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: 11604.0 lumens
Efficiency: N/A
Efficacy: 98.1 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

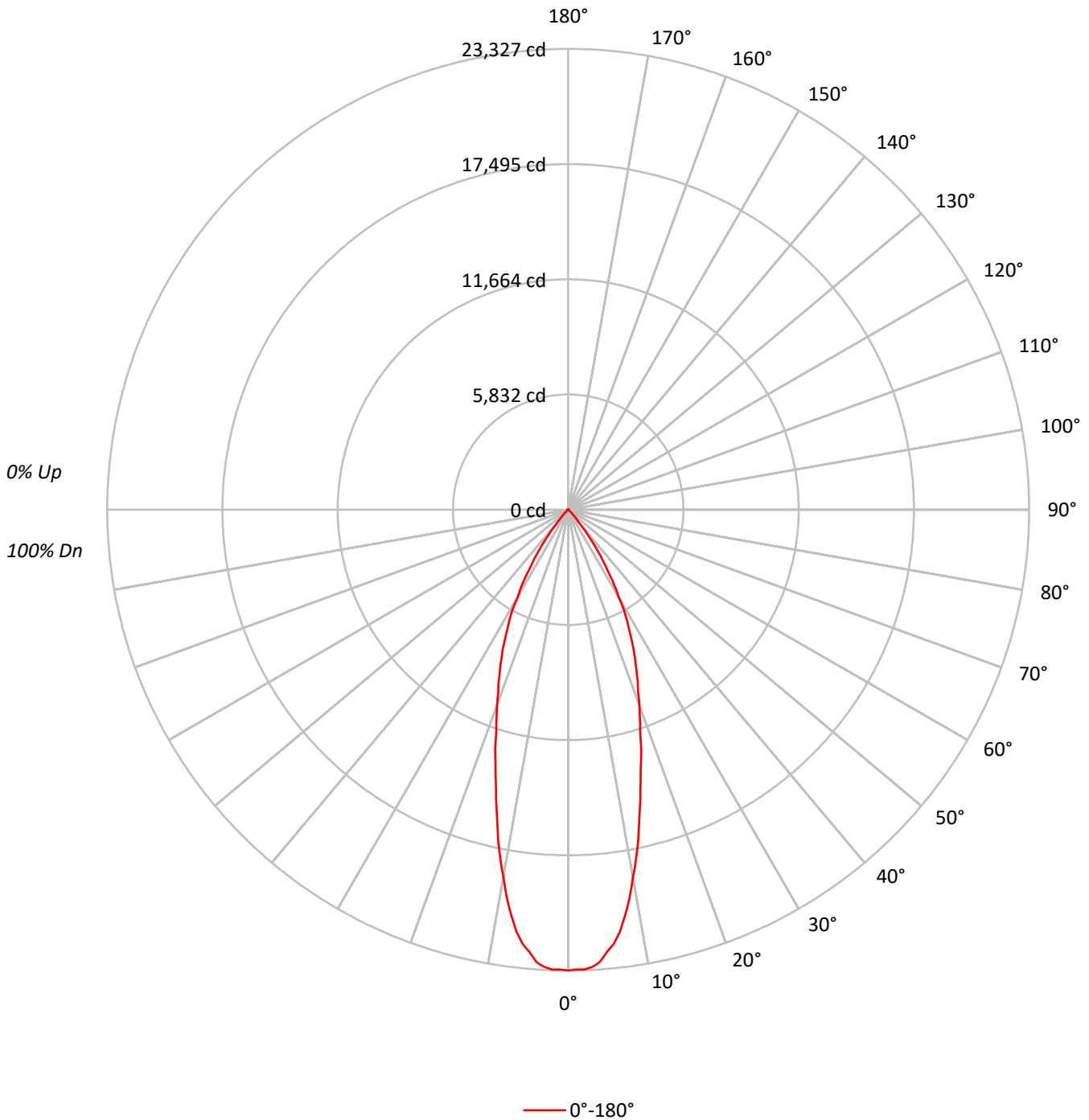
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250067

CATALOG NUMBER: LSR8B120D010 EC8B120850 8LBN0WH

Luminous Intensity Polar Plot





TEST NUMBER: P250067

CATALOG NUMBER: LSR8B120D010 EC8B120850 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°	719316
5°	695616
10°	591578
15°	451515
20°	345070
25°	267402
30°	182381
35°	107150
40°	32763
45°	12891
50°	197
55°	220
60°	253
65°	591
70°	1100
75°	965
80°	728
85°	4316



TEST NUMBER: P250067

CATALOG NUMBER: LSR8B120D010 EC8B120850 8LBN0WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2037.3	17.6
10°-20°	3947.7	34.0
20°-30°	3554.2	30.6
30°-40°	1758.5	15.2
40°-50°	267.5	2.3
50°-60°	11.0	0.1
60°-70°	14.1	0.1
70°-80°	5.4	0.0
80°-90°	8.3	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°	9539.3	82.2
0°-40°	11297.7	97.4
0°-60°	11576.2	99.8
0°-90°	11604.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11604.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23327	
5°	22472	###
15°	14143	3948
25°	7859	3554
35°	2846	1758
45°	296	268
55°	4	11
65°	8	14
75°	8	5
85°	12	8
90°	0	



TEST NUMBER: P250067

CATALOG NUMBER: LSR8B120D010 EC8B120850 8LBN0WH

CANDELA DISTRIBUTION (FULL):

	0°
0°	23326.9
1°	23278.3
2°	23290.3
3°	23172.9
4°	22958.4
5°	22472.5
6°	22100.0
7°	21508.9
8°	20715.2
9°	19889.1
10°	18893.0
11°	18002.3
12°	17046.7
13°	15989.9
14°	15078.8
15°	14143.4
16°	13345.7
17°	12641.3
18°	11774.7
19°	11139.0
20°	10515.5
21°	9867.6
22°	9393.9
23°	8843.2
24°	8337.0
25°	7859.2
26°	7296.4
27°	6790.4
28°	6336.8
29°	5838.7
30°	5122.1
31°	4717.2
32°	4207.0
33°	3648.2
34°	3223.0
35°	2846.4
37.5°	1801.8
40°	813.9
42.5°	554.7
45°	295.6
47.5°	166.0
50°	4.1
52.5°	16.2
55°	4.1
57.5°	24.4



TEST NUMBER: P250067

CATALOG NUMBER: LSR8B120D010 EC8B120850 8LBN0WH

CANDELA DISTRIBUTION (continued):

	0°
60°	4.1
62.5°	20.3
65°	8.1
67.5°	20.3
70°	12.2
72.5°	4.1
75°	8.1
77.5°	0.0
80°	4.1
82.5°	16.2
85°	12.2
87.5°	0.0
90°	0.0

(END OF REPORT)