

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: P249892

Luminaire Tested: **LSR8B120D010 EC8B120840 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249892
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13954)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B120D010 EC8B120840 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11910.0 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

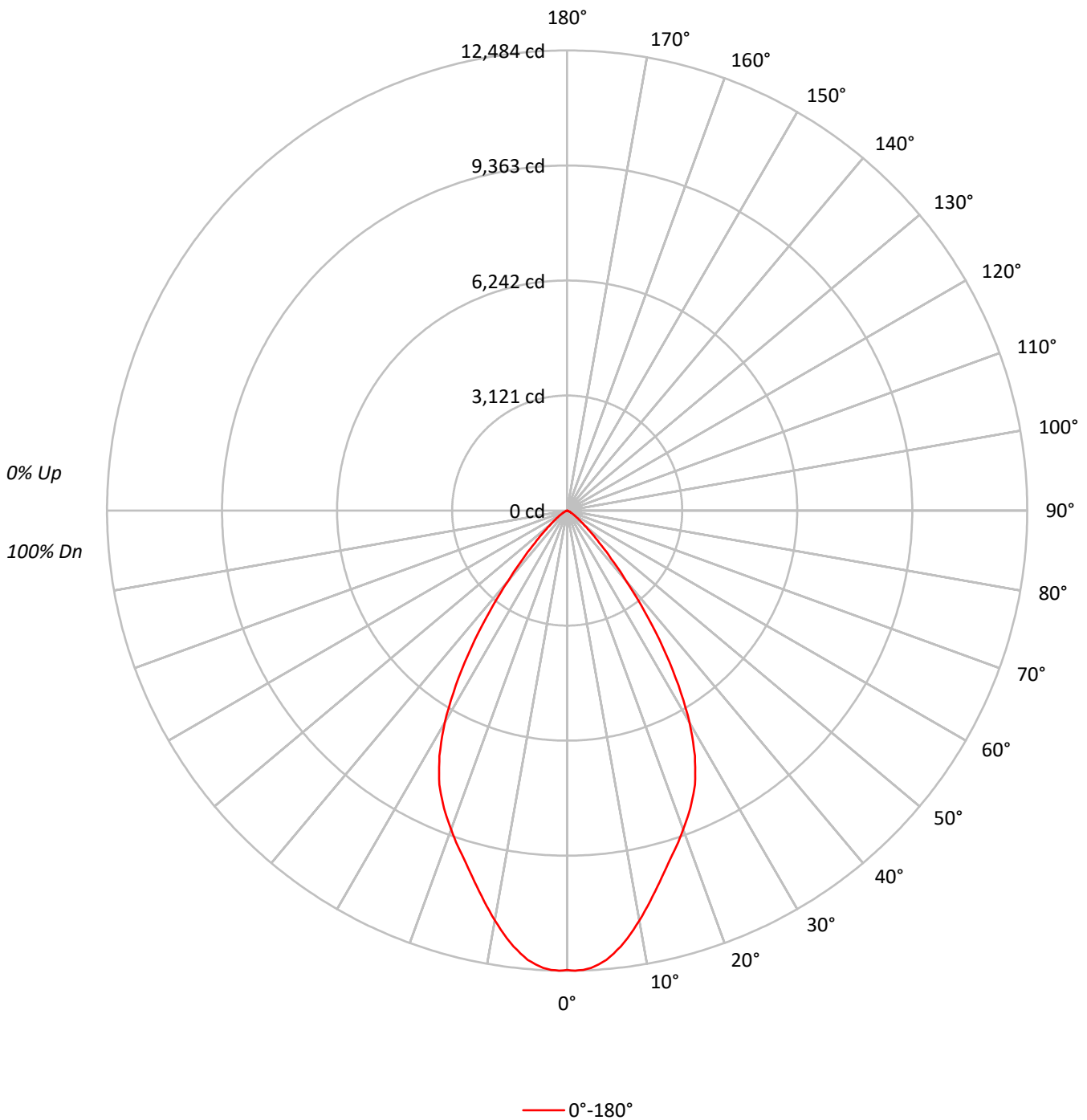
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P249892

CATALOG NUMBER: LSR8B120D010 EC8B120840 8LBM0H

Luminous Intensity Polar Plot





TEST NUMBER: P249892

CATALOG NUMBER: LSR8B120D010 EC8B120840 8LBM0H

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	113	110	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86
3	101	95	90	85	99	93	89	85	91	87	83	88	85	82	86	83	81	79
4	96	88	82	78	94	87	82	77	85	80	76	83	79	76	81	77	75	73
5	91	82	76	71	89	81	75	71	79	74	70	78	73	70	76	72	69	68
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63
7	81	72	65	61	80	71	65	61	70	64	60	68	64	60	67	63	60	58
8	77	67	61	57	76	67	61	56	65	60	56	64	60	56	63	59	56	54
9	73	63	57	53	72	63	57	53	62	56	53	61	56	52	60	55	52	51
10	70	60	53	49	69	59	53	49	58	53	49	57	53	49	57	52	49	48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	384405
5°	378745
10°	353463
15°	324441
20°	302173
25°	279181
30°	236749
35°	170314
40°	100329
45°	53617
50°	27978
55°	15774
60°	8708
65°	5151
70°	2344
75°	1322
80°	657
85°	0



TEST NUMBER: P249892

CATALOG NUMBER: LSR8B120D010 EC8B120840 8LBM0H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1136.5	9.5
10°-20°	2859.4	24.0
20°-30°	3712.1	31.2
30°-40°	2801.8	23.5
40°-50°	1025.2	8.6
50°-60°	286.6	2.4
60°-70°	75.3	0.6
70°-80°	12.7	0.1
80°-90°	0.5	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°	7707.9	64.7
0°-40°	10509.7	88.2
0°-60°	11821.5	99.3
0°-90°	11910.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11910.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12466	
5°	12236	###
15°	10163	2859
25°	8205	3712
35°	4524	2802
45°	1230	1025
55°	293	287
65°	71	75
75°	11	13
85°	0	1
90°	0	



TEST NUMBER: P249892

CATALOG NUMBER: LSR8B120D010 EC8B120840 8LBM0H

CANDELA DISTRIBUTION (FULL):

0°	
0°	12466.0
1°	12484.5
2°	12469.7
3°	12421.4
4°	12339.7
5°	12235.7
6°	12083.4
7°	11916.2
8°	11723.0
9°	11511.3
10°	11288.4
11°	11065.6
12°	10835.3
13°	10601.3
14°	10378.4
15°	10162.9
16°	9958.6
17°	9761.8
18°	9583.5
19°	9397.8
20°	9208.3
22.5°	8736.6
25°	8205.4
27.5°	7503.3
30°	6649.0
32.5°	5620.1
35°	4524.3
37.5°	3454.5
40°	2492.4
42.5°	1764.4
45°	1229.5
47.5°	865.5
50°	583.2
52.5°	427.2
55°	293.4
57.5°	211.7
60°	141.2
62.5°	104.0
65°	70.6
67.5°	48.3
70°	26.0
72.5°	18.6
75°	11.1
77.5°	3.7
80°	3.7



TEST NUMBER: P249892

CATALOG NUMBER: LSR8B120D010 EC8B120840 8LBM0H

CANDELA DISTRIBUTION (continued):

	0°
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)