

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: P249864

Luminaire Tested: **LSR8B120D010 EC8B1209730 8LBN0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249864
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13959)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B120D010 EC8B1209730 8LBN0H
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8180.0 lumens
Efficiency: N/A
Efficacy: 69.1 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.81
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

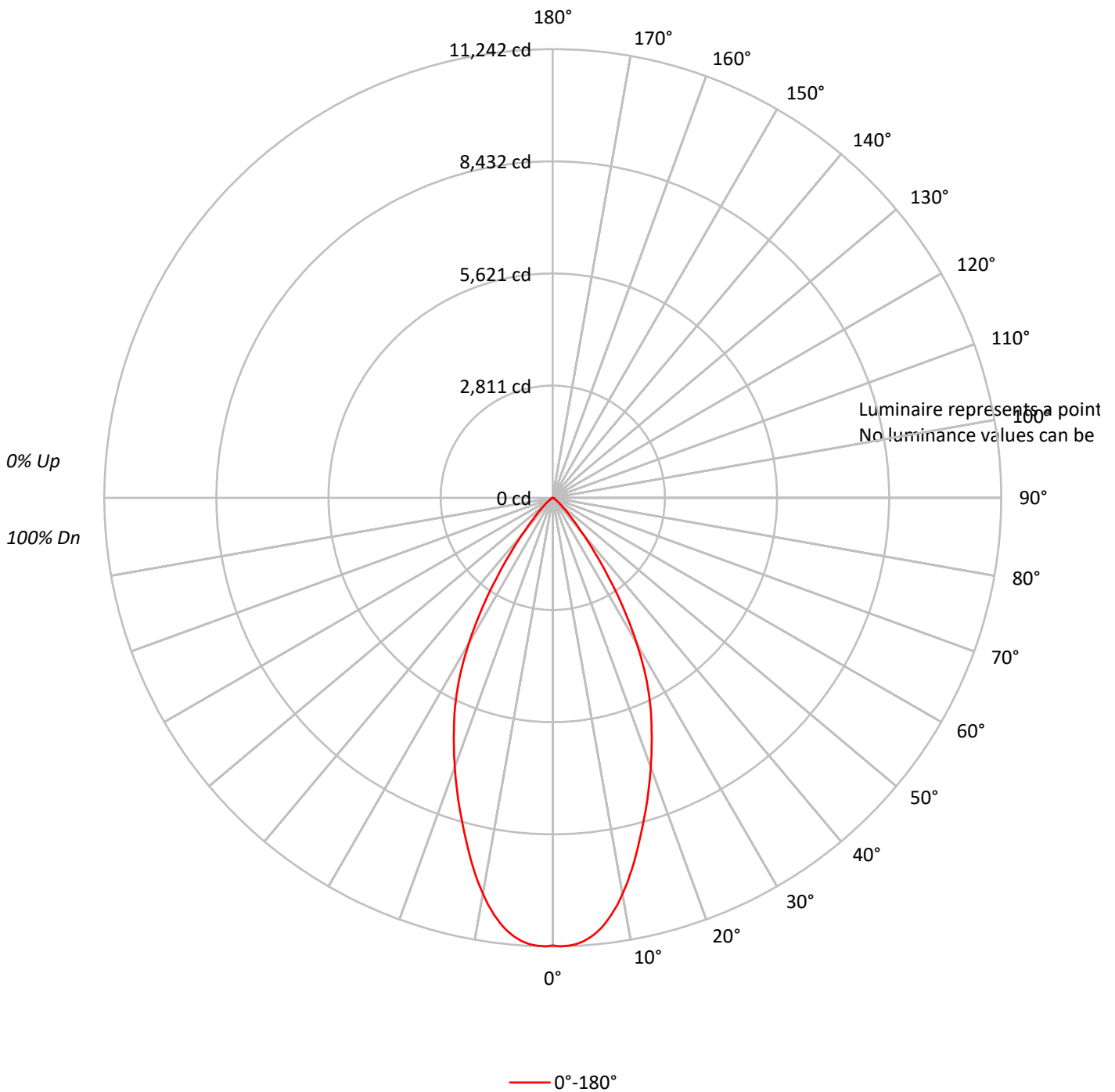
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P249864

CATALOG NUMBER: LSR8B120D010 EC8B1209730 8LBN0H

Luminous Intensity Polar Plot





TEST NUMBER: P249864

CATALOG NUMBER: LSR8B120D010 EC8B1209730 8LBN0H

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	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	103	100	96	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88	85	83	82
4	98	91	85	81	96	89	84	81	87	83	80		85	82	79		83	80	78	76
5	93	85	79	75	92	84	79	75	82	78	74		81	77	74		79	76	73	71
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75	71	68	67
7	84	75	70	66	83	75	69	65	74	69	65		72	68	65		71	67	64	63
8	81	71	65	62	79	71	65	61	70	65	61		69	64	61		68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58		65	61	57		64	60	57	56
10	73	64	58	55	72	64	58	55	63	58	54		62	57	54		61	57	54	53

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P249864

CATALOG NUMBER: LSR8B120D010 EC8B1209730 8LBN0H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1023.1	12.5
10°-20°	2401.9	29.4
20°-30°	2625.1	32.1
30°-40°	1562.2	19.1
40°-50°	428.5	5.2
50°-60°	97.1	1.2
60°-70°	30.0	0.4
70°-80°	9.1	0.1
80°-90°	3.0	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°	6050.1	74.0
0°-40°	7612.3	93.1
0°-60°	8137.9	99.5
0°-90°	8180.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8180.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11219	
5°	11040	###
15°	8620	2402
25°	5799	2625
35°	2472	1562
45°	501	429
55°	97	97
65°	30	30
75°	8	9
85°	3	3
90°	0	



TEST NUMBER: P249864

CATALOG NUMBER: LSR8B120D010 EC8B1209730 8LBN0H

CANDELA DISTRIBUTION (FULL):

	0°
0°	11219.4
1°	11241.5
2°	11227.7
3°	11200.0
4°	11136.4
5°	11039.5
6°	10914.9
7°	10748.8
8°	10555.0
9°	10330.8
10°	10078.9
11°	9810.4
12°	9522.5
13°	9226.3
14°	8919.1
15°	8620.1
16°	8326.7
17°	8038.8
18°	7750.9
19°	7463.0
20°	7183.4
22.5°	6480.3
25°	5799.3
27.5°	5049.1
30°	4215.9
32.5°	3321.8
35°	2472.0
37.5°	1719.0
40°	1140.5
42.5°	747.4
45°	501.0
47.5°	332.2
50°	221.5
52.5°	135.6
55°	96.9
57.5°	69.2
60°	52.6
62.5°	38.8
65°	30.4
67.5°	19.4
70°	13.8
72.5°	11.1
75°	8.3
77.5°	5.5
80°	5.5



TEST NUMBER: P249864

CATALOG NUMBER: LSR8B120D010 EC8B1209730 8LBN0H

CANDELA DISTRIBUTION (continued):

	0°
82.5°	2.8
85°	2.8
87.5°	2.8
90°	0.0

(END OF REPORT)