

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: P247297

Luminaire Tested: **LSR8B120D010 EC8B120835 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201734)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B120D010 EC8B120835 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11727.0 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.9
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

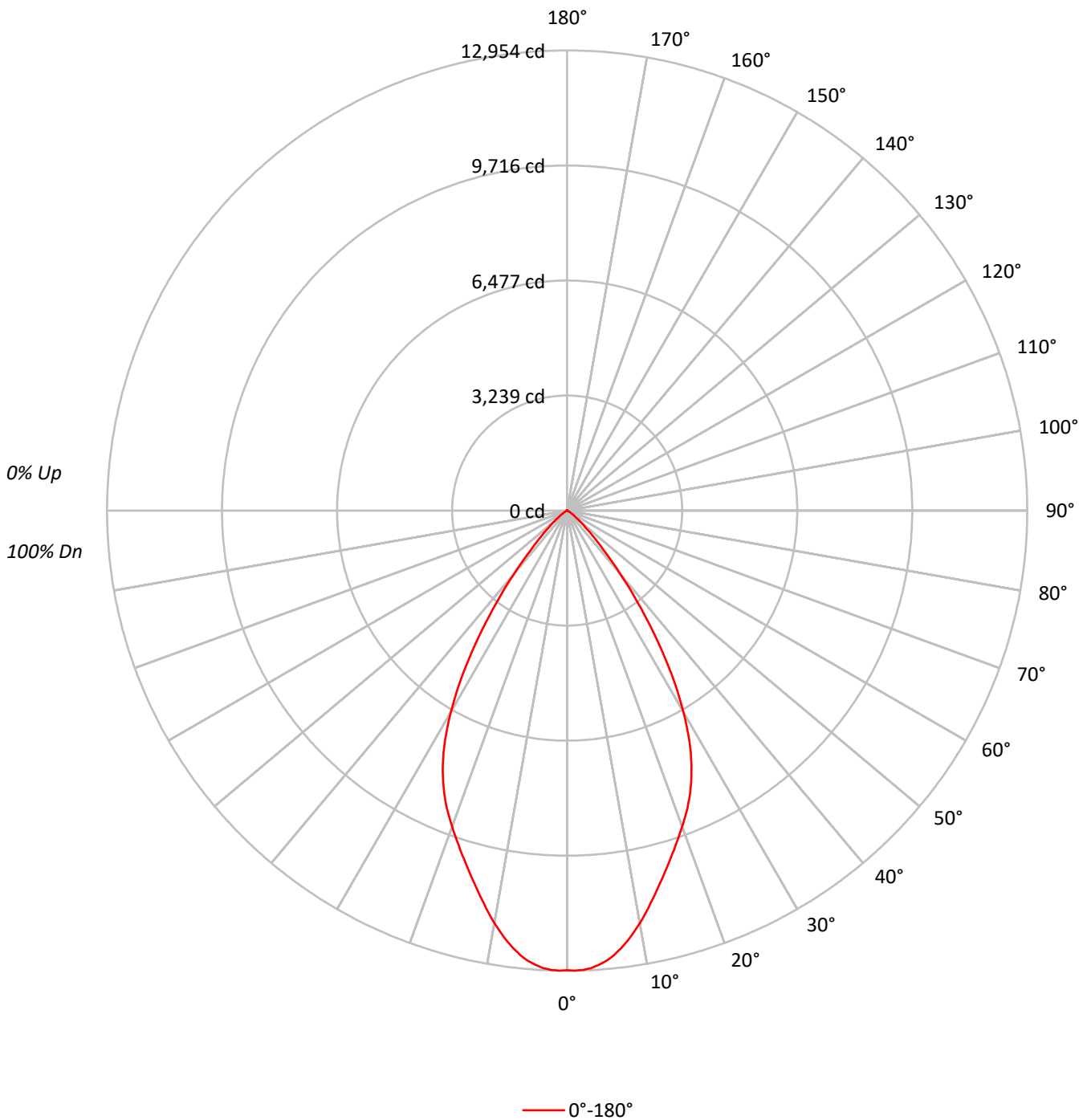
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P247297

CATALOG NUMBER: LSR8B120D010 EC8B120835 8LBM0WMH

Luminous Intensity Polar Plot





TEST NUMBER: P247297

CATALOG NUMBER: LSR8B120D010 EC8B120835 8LBM0WMH

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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80
4	97	89	83	79	95	88	82	78	86	81	77	84	80	77	82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72	79	74	71	77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66	74	69	66	73	69	66	64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	50	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	398902
5°	393761
10°	369156
15°	337569
20°	310768
25°	281590
30°	233163
35°	163519
40°	93051
45°	45667
50°	22523
55°	10220
60°	4847
65°	2619
70°	270
75°	357
80°	0
85°	0



TEST NUMBER: P247297

CATALOG NUMBER: LSR8B120D010 EC8B120835 8LBM0WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1183.8	10.1
10°-20°	2968.3	25.3
20°-30°	3747.1	32.0
30°-40°	2695.5	23.0
40°-50°	892.2	7.6
50°-60°	194.3	1.7
60°-70°	40.0	0.3
70°-80°	3.9	0.0
80°-90°	2.0	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°	7899.2	67.4
0°-40°	10594.7	90.3
0°-60°	11681.1	99.6
0°-90°	11727.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11727.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12936	
5°	12721	###
15°	10574	2968
25°	8276	3747
35°	4344	2695
45°	1047	892
55°	190	194
65°	36	40
75°	3	4
85°	0	2
90°	0	



TEST NUMBER: P247297

CATALOG NUMBER: LSR8B120D010 EC8B120835 8LBM0WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	12936.1
1°	12954.2
2°	12939.0
3°	12896.4
4°	12817.1
5°	12720.8
6°	12588.5
7°	12416.2
8°	12226.1
9°	12018.2
10°	11789.6
11°	11556.1
12°	11301.9
13°	11056.9
14°	10810.5
15°	10574.1
16°	10341.4
17°	10118.3
18°	9897.1
19°	9684.4
20°	9470.2
21°	9250.8
22°	9036.6
23°	8803.5
24°	8552.3
25°	8276.2
26°	7986.4
27°	7663.7
28°	7322.4
29°	6943.3
30°	6548.3
31°	6132.9
32°	5695.6
33°	5236.8
34°	4788.1
35°	4343.8
37.5°	3262.1
40°	2311.6
42.5°	1566.0
45°	1047.2
47.5°	702.6
50°	469.5
52.5°	283.5
55°	190.1
57.5°	132.3



TEST NUMBER: P247297

CATALOG NUMBER: LSR8B120D010 EC8B120835 8LBM0WMH

CANDELA DISTRIBUTION (continued):

	0°
60°	78.6
62.5°	53.7
65°	35.9
67.5°	32.2
70°	3.0
72.5°	7.4
75°	3.0
77.5°	3.0
80°	0.0
82.5°	7.4
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)