

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: P247317

Luminaire Tested: **LSR8B120D010 EC8B120935 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247317
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 EC8B120935 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10000.0 lumens
Efficiency: N/A
Efficacy: 84.5 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

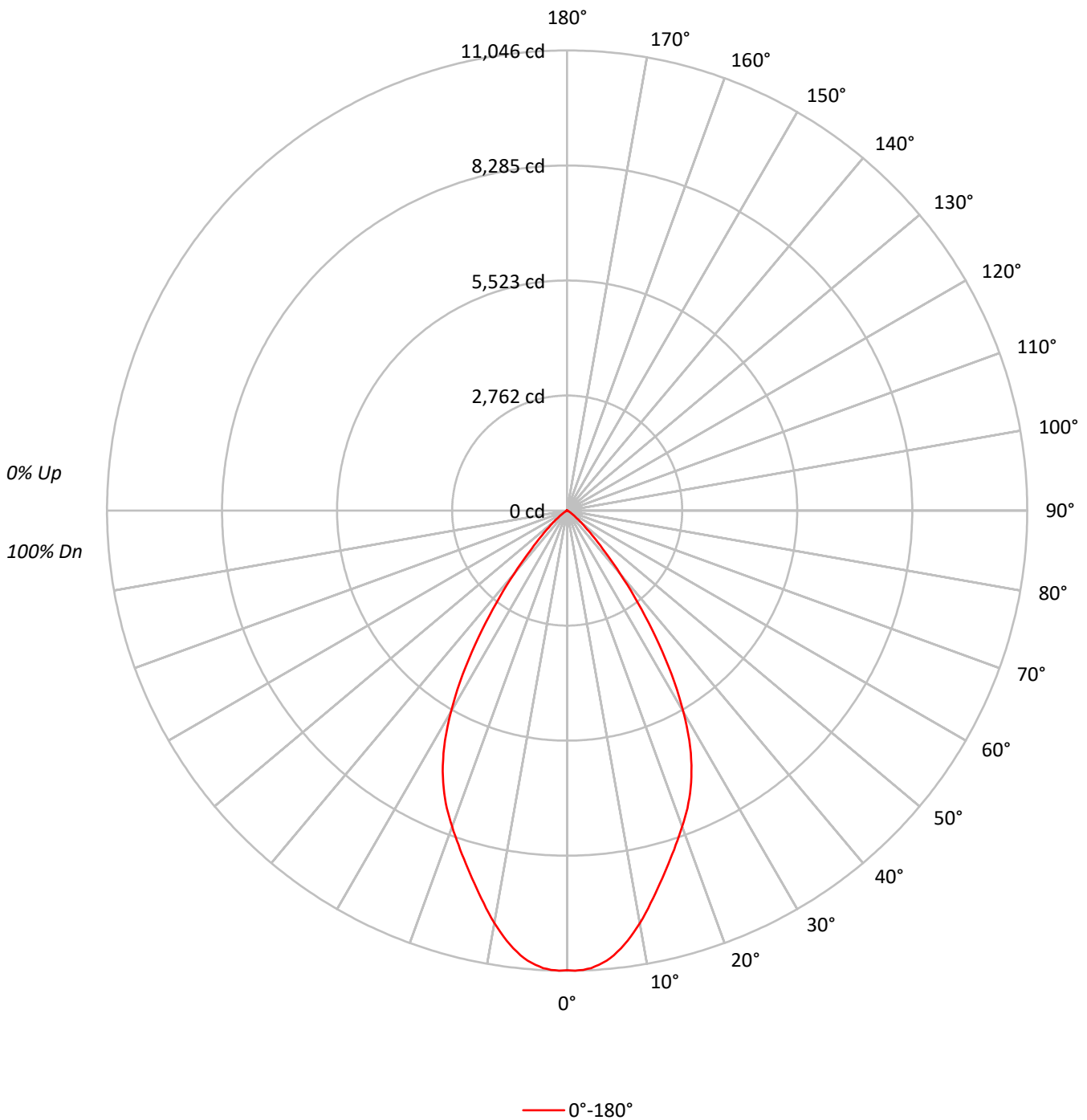
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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°	340155
5°	335772
10°	314789
15°	287856
20°	265000
25°	240122
30°	198824
35°	139438
40°	79349
45°	38943
50°	19208
55°	8715
60°	4132
65°	2240
70°	225
75°	298
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1009.5	10.1
10°-20°	2531.2	25.3
20°-30°	3195.3	32.0
30°-40°	2298.5	23.0
40°-50°	760.8	7.6
50°-60°	165.7	1.7
60°-70°	34.1	0.3
70°-80°	3.3	0.0
80°-90°	1.7	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°	6735.9	67.4
0°-40°	9034.4	90.3
0°-60°	9960.9	99.6
0°-90°	10000.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10000.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11031	
5°	10847	###
15°	9017	2531
25°	7057	3195
35°	3704	2299
45°	893	761
55°	162	166
65°	31	34
75°	2	3
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11031.0
1°	11046.5
2°	11033.6
3°	10997.2
4°	10929.6
5°	10847.4
6°	10734.6
7°	10587.7
8°	10425.6
9°	10248.3
10°	10053.3
11°	9854.3
12°	9637.5
13°	9428.6
14°	9218.5
15°	9016.9
16°	8818.4
17°	8628.2
18°	8439.6
19°	8258.2
20°	8075.5
21°	7888.5
22°	7705.8
23°	7507.1
24°	7292.8
25°	7057.4
26°	6810.3
27°	6535.1
28°	6244.0
29°	5920.8
30°	5583.9
31°	5229.7
32°	4856.8
33°	4465.6
34°	4083.0
35°	3704.1
37.5°	2781.7
40°	1971.2
42.5°	1335.4
45°	893.0
47.5°	599.1
50°	400.4
52.5°	241.7
55°	162.1
57.5°	112.8



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CANDELA DISTRIBUTION (continued):

	0°
60°	67.0
62.5°	45.8
65°	30.7
67.5°	27.5
70°	2.5
72.5°	6.3
75°	2.5
77.5°	2.5
80°	0.0
82.5°	6.3
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)