

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: P246957

Luminaire Tested: **LSR8B120D010 EC8B120830 8LBM0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246957
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-81)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B120D010 EC8B120830 8LBMOLI
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12186.0 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.75
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

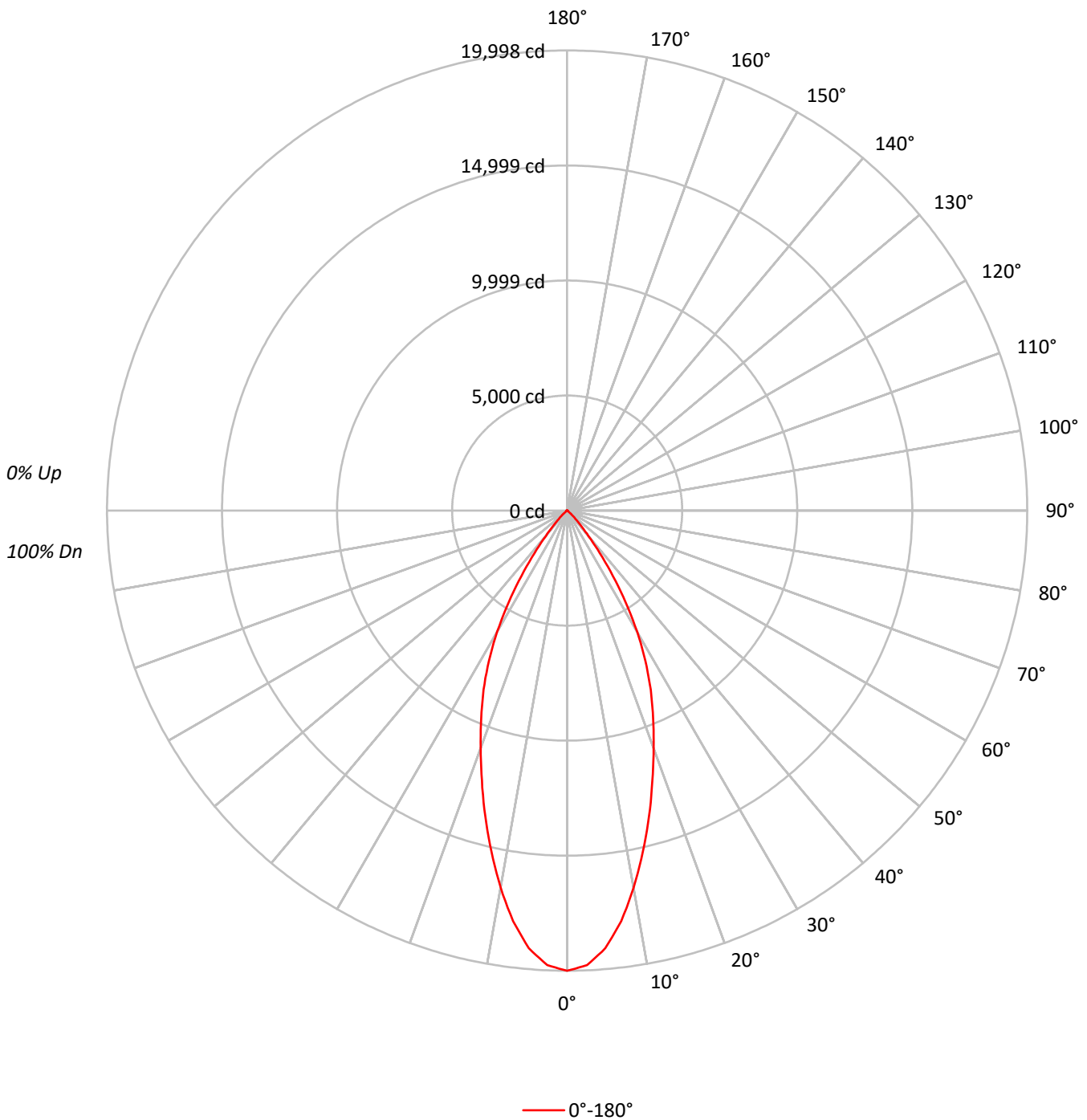
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	79	75	71	78	74	71	77	73	70	69
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65
8	82	73	68	64	81	73	67	64	72	67	63	71	66	63	70	66	63	62
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	67	63	60	58
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	64	60	57	55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	616652
5°	590945
10°	521079
15°	439142
20°	360562
25°	292240
30°	216350
35°	130230
40°	57994
45°	22550
50°	8088
55°	2360
60°	1659
65°	1240
70°	126
75°	679
80°	0
85°	2017



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1742.9	14.3
10°-20°	3820.7	31.4
20°-30°	3896.5	32.0
30°-40°	2182.3	17.9
40°-50°	465.4	3.8
50°-60°	57.6	0.5
60°-70°	15.0	0.1
70°-80°	3.5	0.0
80°-90°	1.9	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°	9460.1	77.6
0°-40°	11642.4	95.5
0°-60°	12165.5	99.8
0°-90°	12186.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12186.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19998	
5°	19091	###
15°	13756	3821
25°	8589	3897
35°	3460	2182
45°	517	465
55°	44	58
65°	17	15
75°	6	4
85°	6	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19997.6
2.5°	19772.4
5°	19091.0
7.5°	17994.5
10°	16641.5
12.5°	15189.5
15°	13755.8
17.5°	12313.6
20°	10987.6
22.5°	9753.7
25°	8589.2
27.5°	7366.6
30°	6076.1
32.5°	4727.4
35°	3459.5
37.5°	2317.7
40°	1440.7
42.5°	861.3
45°	517.1
47.5°	287.6
50°	168.6
52.5°	89.2
55°	43.9
57.5°	31.2
60°	26.9
62.5°	12.7
65°	17.0
67.5°	17.0
70°	1.4
72.5°	4.2
75°	5.7
77.5°	2.8
80°	0.0
82.5°	1.4
85°	5.7
87.5°	0.0
90°	0.0

(END OF REPORT)