

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: P246964

Luminaire Tested: **LSR8B100D010 EC8B100840 8LBM0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246964
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: LSR8B100D010 EC8B100840 8LBMOLI
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11105.0 lumens
Efficiency: N/A
Efficacy: 104.5 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

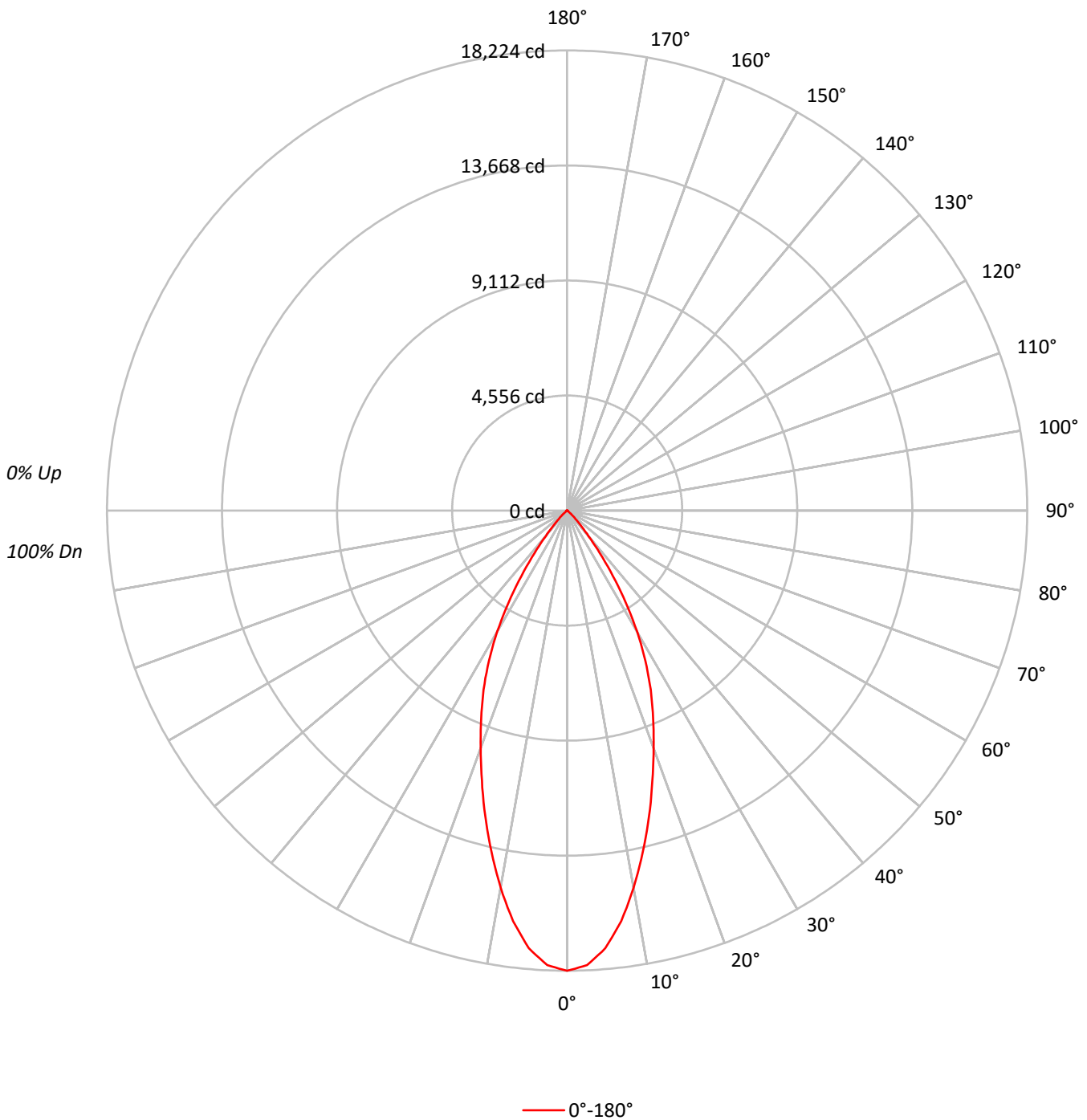
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88	88	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83	83	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78	78	78
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73	73	73
6	90	82	76	72	89	81	76	72	79	75	71	78	74	71	77	73	70	69	69	69
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65	65	65
8	82	73	68	64	81	73	67	64	72	67	63	71	66	63	70	66	63	62	62	62
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	67	63	60	58	58	58
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	64	60	57	55	55	55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	561952
5°	538521
10°	474856
15°	400185
20°	328577
25°	266317
30°	197158
35°	118677
40°	52849
45°	20549
50°	7369
55°	2150
60°	1511
65°	1131
70°	117
75°	620
80°	0
85°	1840



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1588.3	14.3
10°-20°	3481.8	31.4
20°-30°	3550.9	32.0
30°-40°	1988.7	17.9
40°-50°	424.1	3.8
50°-60°	52.5	0.5
60°-70°	13.7	0.1
70°-80°	3.3	0.0
80°-90°	1.8	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°	8620.9	77.6
0°-40°	10609.7	95.5
0°-60°	11086.3	99.8
0°-90°	11105.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11105.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18224	
5°	17397	###
15°	12536	3482
25°	7827	3551
35°	3153	1989
45°	471	424
55°	40	53
65°	16	14
75°	5	3
85°	5	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	18223.7
2.5°	18018.4
5°	17397.4
7.5°	16398.2
10°	15165.3
12.5°	13842.0
15°	12535.5
17.5°	11221.3
20°	10012.9
22.5°	8888.5
25°	7827.3
27.5°	6713.2
30°	5537.1
32.5°	4308.0
35°	3152.6
37.5°	2112.1
40°	1312.9
42.5°	784.9
45°	471.2
47.5°	262.1
50°	153.6
52.5°	81.3
55°	40.0
57.5°	28.4
60°	24.5
62.5°	11.6
65°	15.5
67.5°	15.5
70°	1.3
72.5°	3.9
75°	5.2
77.5°	2.6
80°	0.0
82.5°	1.3
85°	5.2
87.5°	0.0
90°	0.0

(END OF REPORT)