

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: P243894

Luminaire Tested: **LSR8B10D010 EC8B10850 8LBN0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P243894
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-10)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B10D010 EC8B10850 8LBNOLI
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1122.1 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Spacing Criteria (0/90/45): 0.25 / 0.25 / 0.32
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

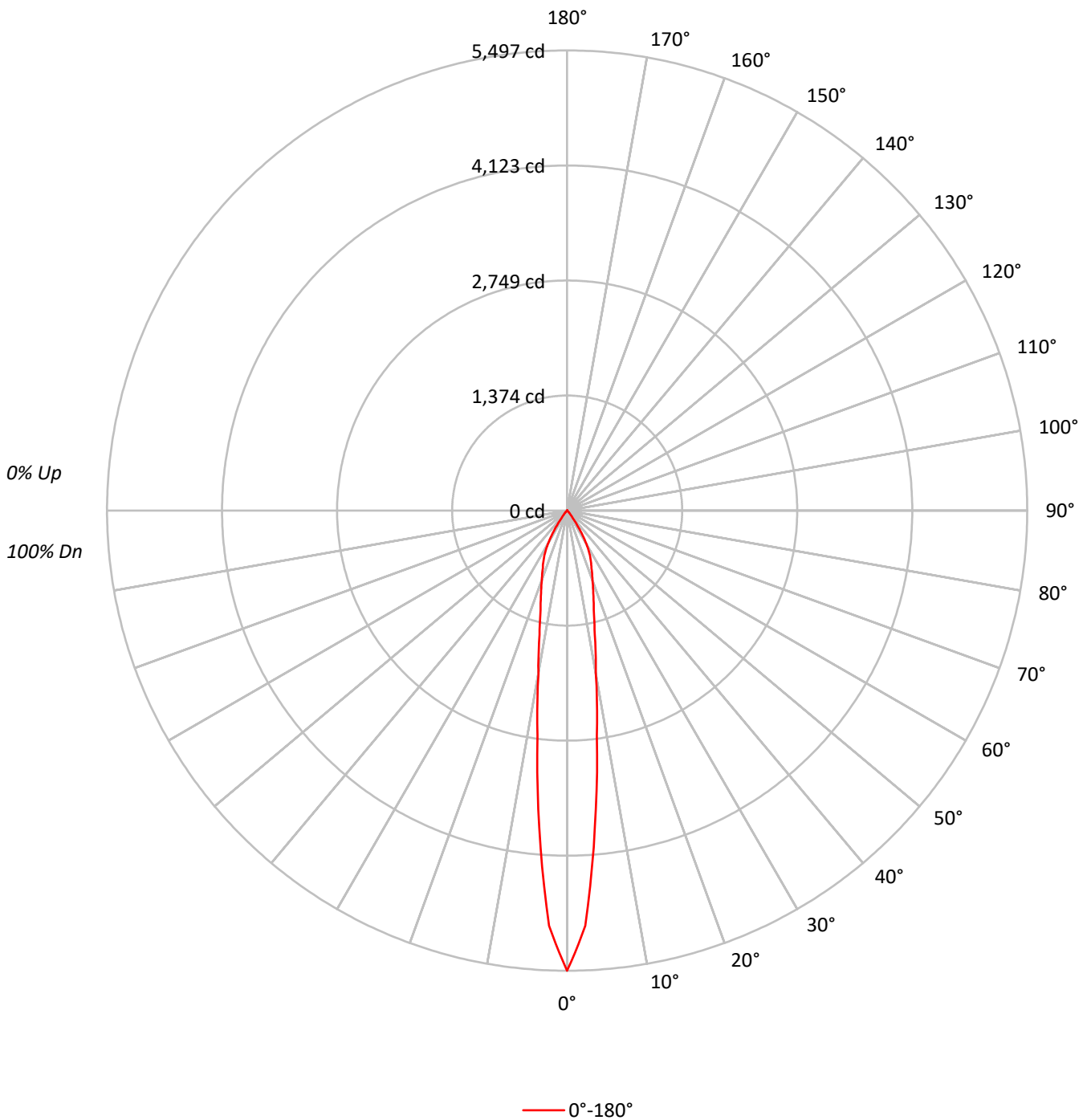
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	100	108	104	101	99	101	99	96	98	96	94	95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	92	89	92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	84	81	85	83	80	79
6	94	87	82	79	93	86	82	78	85	81	78	83	80	77	82	79	77	76
7	91	83	78	75	90	83	78	75	81	77	74	80	77	74	79	76	74	72
8	88	80	75	72	86	79	75	71	78	74	71	77	74	71	76	73	71	70
9	85	77	72	69	84	76	72	69	75	71	68	75	71	68	74	70	68	67
10	82	74	69	66	81	73	69	66	73	69	66	72	68	66	71	68	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	169510
5°	117734
10°	61954
15°	39200
20°	29130
25°	22902
30°	16489
35°	7077
40°	2468
45°	946
50°	221
55°	81
60°	0
65°	109
70°	36
75°	95
80°	142
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.9	27.2
10°-20°	354.3	31.6
20°-30°	305.8	27.3
30°-40°	132.7	11.8
40°-50°	20.8	1.9
50°-60°	1.5	0.1
60°-70°	0.8	0.1
70°-80°	0.9	0.1
80°-90°	0.4	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°	965.0	86.0
0°-40°	1097.6	97.8
0°-60°	1119.9	99.8
0°-90°	1122.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1122.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5497	
5°	3804	305
15°	1228	354
25°	673	306
35°	188	133
45°	22	21
55°	2	2
65°	2	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5497.1
2.5°	4964.0
5°	3803.5
7.5°	2712.6
10°	1978.6
12.5°	1518.2
15°	1227.9
17.5°	1032.7
20°	887.7
22.5°	764.0
25°	673.1
27.5°	577.2
30°	463.1
32.5°	321.9
35°	188.0
37.5°	105.0
40°	61.3
42.5°	38.0
45°	21.7
47.5°	17.5
50°	4.6
52.5°	2.3
55°	1.5
57.5°	0.8
60°	0.0
62.5°	0.4
65°	1.5
67.5°	1.1
70°	0.4
72.5°	1.9
75°	0.8
77.5°	0.0
80°	0.8
82.5°	0.4
85°	0.0
87.5°	0.8
90°	0.0

(END OF REPORT)