

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: P247044

Luminaire Tested: **LSR8B100D010 EC8B100930 8LBNOLI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247044  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-80)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B100D010 EC8B100930 8LBN0LI  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
97 CRI 3000 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8551.1 lumens  
Efficiency: N/A  
Efficacy: 80.4 lumens/watt  
Spacing Criteria (0/90/45): 0.47 / 0.47 / 0.56  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

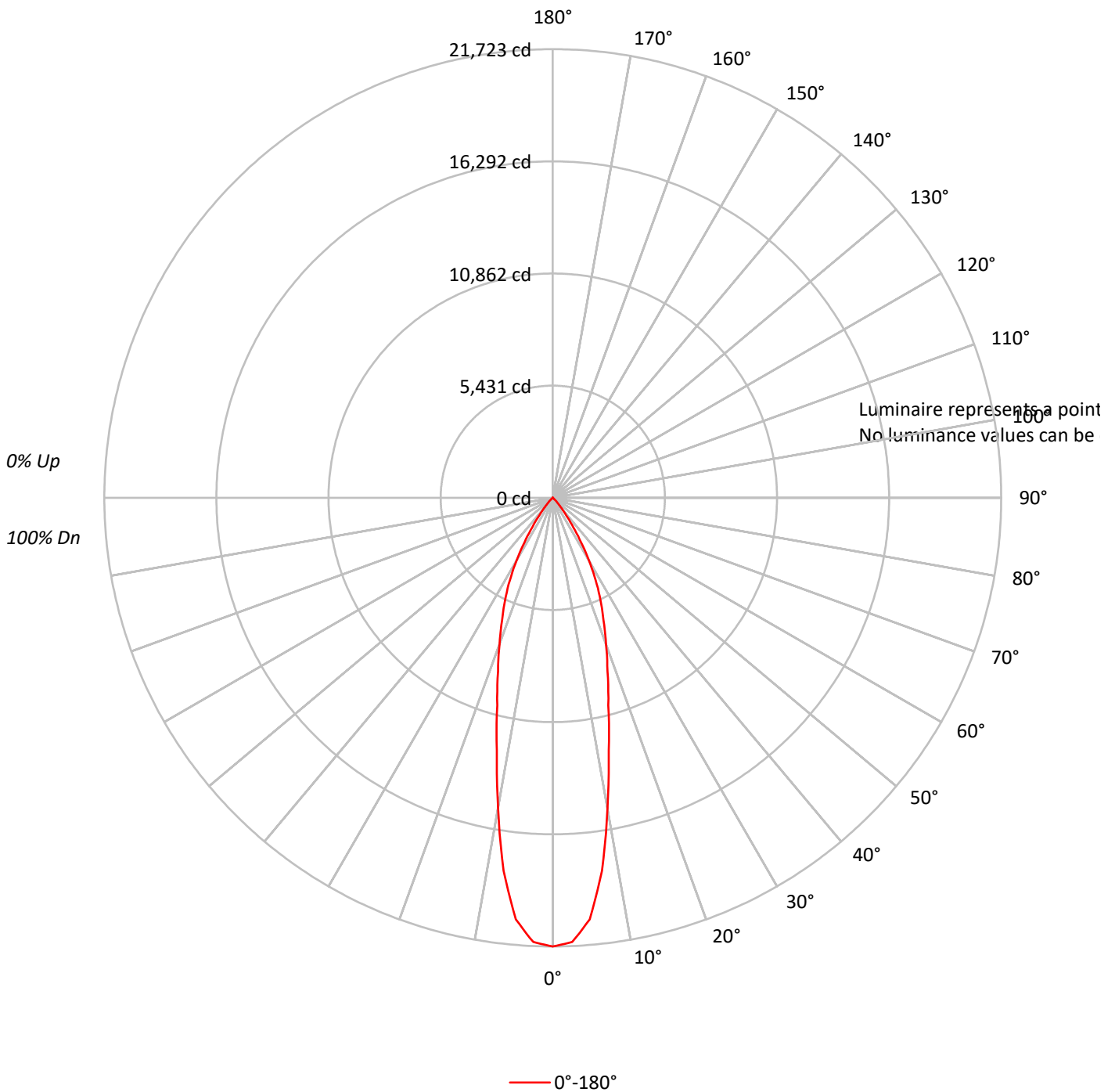
Input Watts (W): 106.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	105	102	99	107	104	100	98	100	98	96	98	95	94	95	93	92	90
3	105	100	95	92	103	98	94	91	96	92	90	93	91	88	91	89	87	85
4	101	94	90	86	99	93	89	85	91	87	84	89	86	83	87	85	83	81
5	97	90	85	81	95	89	84	80	87	83	80	85	82	79	84	81	78	77
6	93	85	80	76	91	84	80	76	83	79	76	82	78	75	80	77	75	73
7	89	81	76	72	88	81	76	72	79	75	72	78	74	72	77	74	71	70
8	86	78	72	69	85	77	72	69	76	72	69	75	71	68	74	71	68	67
9	82	74	69	66	81	74	69	66	73	69	65	72	68	65	71	68	65	64
10	79	71	66	63	79	71	66	63	70	66	63	69	65	62	69	65	62	61

**AVERAGE LUMINANCE (cd/sqm):**





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1781.6	20.8
10°-20°	2946.3	34.5
20°-30°	2483.9	29.0
30°-40°	1127.1	13.2
40°-50°	196.8	2.3
50°-60°	10.7	0.1
60°-70°	1.6	0.0
70°-80°	1.8	0.0
80°-90°	1.2	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°	7211.8	84.3
0°-40°	8338.9	97.5
0°-60°	8546.4	99.9
0°-90°	8551.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8551.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	21723	
5°	20489	###
15°	10399	2946
25°	5475	2484
35°	1732	1127
45°	214	197
55°	9	11
65°	3	2
75°	0	2
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	21722.9
2.5°	21530.7
5°	20488.7
7.5°	18219.2
10°	15254.1
12.5°	12513.5
15°	10399.4
17.5°	8811.3
20°	7541.8
22.5°	6424.7
25°	5475.0
27.5°	4509.2
30°	3498.3
32.5°	2546.5
35°	1731.9
37.5°	1063.5
40°	625.6
42.5°	367.0
45°	213.6
47.5°	127.7
50°	49.3
52.5°	7.5
55°	8.6
57.5°	7.5
60°	1.1
62.5°	1.1
65°	3.3
67.5°	0.0
70°	3.3
72.5°	5.4
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	1.1
87.5°	3.3
90°	0.0

(END OF REPORT)