

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: P244344

Luminaire Tested: **LSR8B10D010 EC8B10935 8LBN0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244344  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27944)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B10D010 EC8B10935 8LBN0H  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 891.0 lumens  
Efficiency: N/A  
Efficacy: 87.3 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.79  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

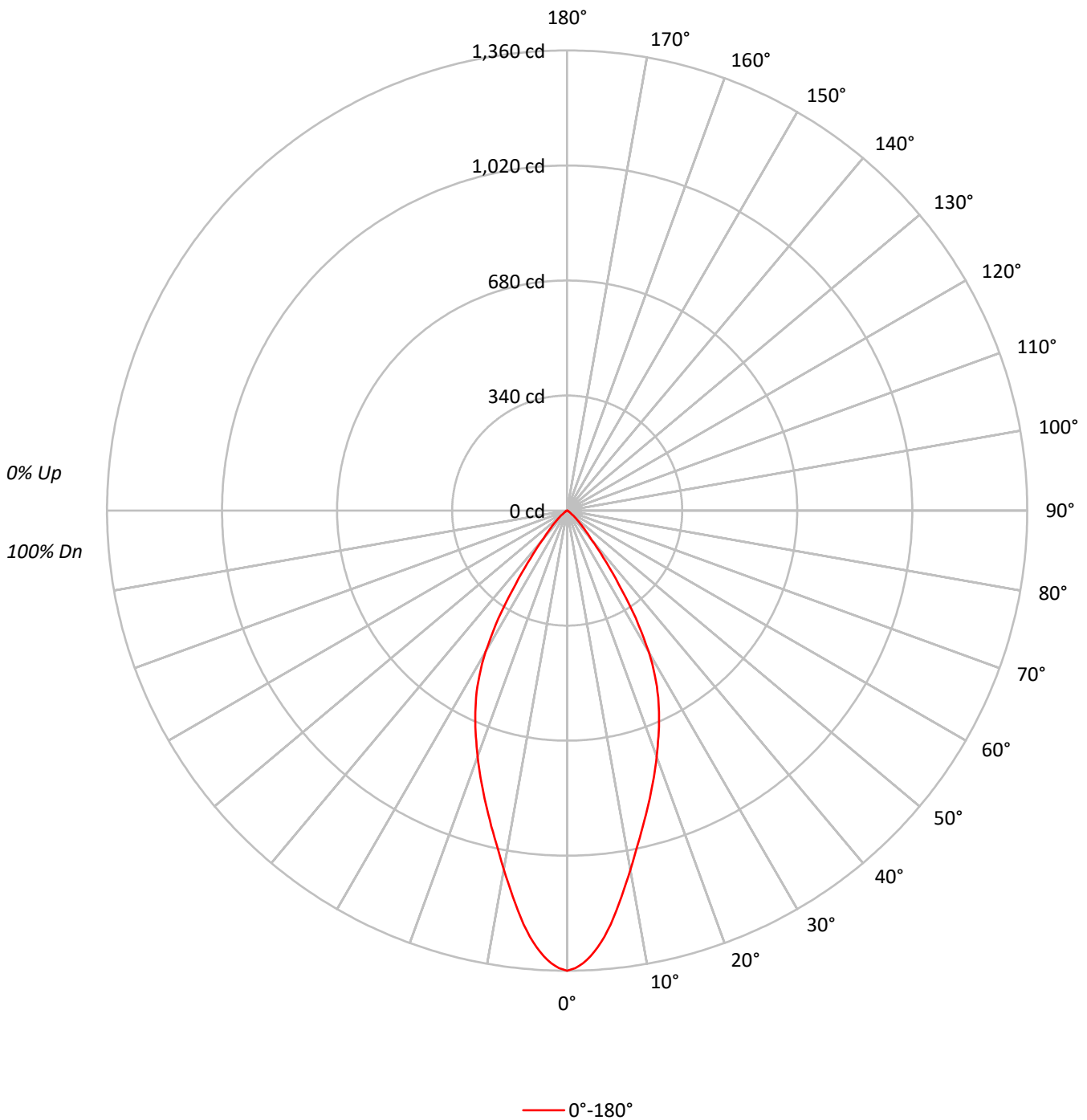
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	81	78	76
5	93	85	79	75	92	84	79	75	82	78	74	81	77	74	79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	69	67
7	85	76	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61	69	64	61	68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58	65	61	58	64	60	57	56
10	74	64	59	55	73	64	58	55	63	58	55	62	58	54	61	57	54	53

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

	0°
0°	41940
5°	39120
10°	33723
15°	29185
20°	25386
25°	21816
30°	17145
35°	10002
40°	4613
45°	2390
50°	1199
55°	581
60°	296
65°	175
70°	81
75°	71
80°	53
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.4	12.8
10°-20°	255.6	28.7
20°-30°	290.6	32.6
30°-40°	170.7	19.2
40°-50°	45.8	5.1
50°-60°	10.8	1.2
60°-70°	2.5	0.3
70°-80°	0.6	0.1
80°-90°	0.0	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°	660.6	74.1
0°-40°	831.3	93.3
0°-60°	887.9	99.7
0°-90°	891.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	891.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1360	
5°	1264	114
15°	914	256
25°	641	291
35°	266	171
45°	55	46
55°	11	11
65°	2	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1360.1
1°	1352.6
2°	1338.8
3°	1319.2
4°	1293.9
5°	1263.8
6°	1229.8
7°	1191.3
8°	1152.8
9°	1114.0
10°	1077.0
11°	1040.9
12°	1006.8
13°	975.3
14°	943.7
15°	914.2
16°	885.3
17°	856.7
18°	829.0
19°	801.0
20°	773.6
21°	746.3
22°	720.1
23°	694.2
24°	667.7
25°	641.2
26°	613.9
27°	584.1
28°	552.8
29°	518.5
30°	481.5
32.5°	377.6
35°	265.7
37.5°	175.1
40°	114.6
42.5°	79.1
45°	54.8
47.5°	37.6
50°	25.0
52.5°	16.2
55°	10.8
57.5°	7.2
60°	4.8
62.5°	3.3
65°	2.4



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.5
70°	0.9
72.5°	0.6
75°	0.6
77.5°	0.3
80°	0.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)