

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: P244416

Luminaire Tested: **LSR8B10D010 EC8B10935 8LBM0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244416  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27951)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B10D010 EC8B10935 8LBM0H  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG 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: 945.0 lumens  
Efficiency: N/A  
Efficacy: 92.6 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.93  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

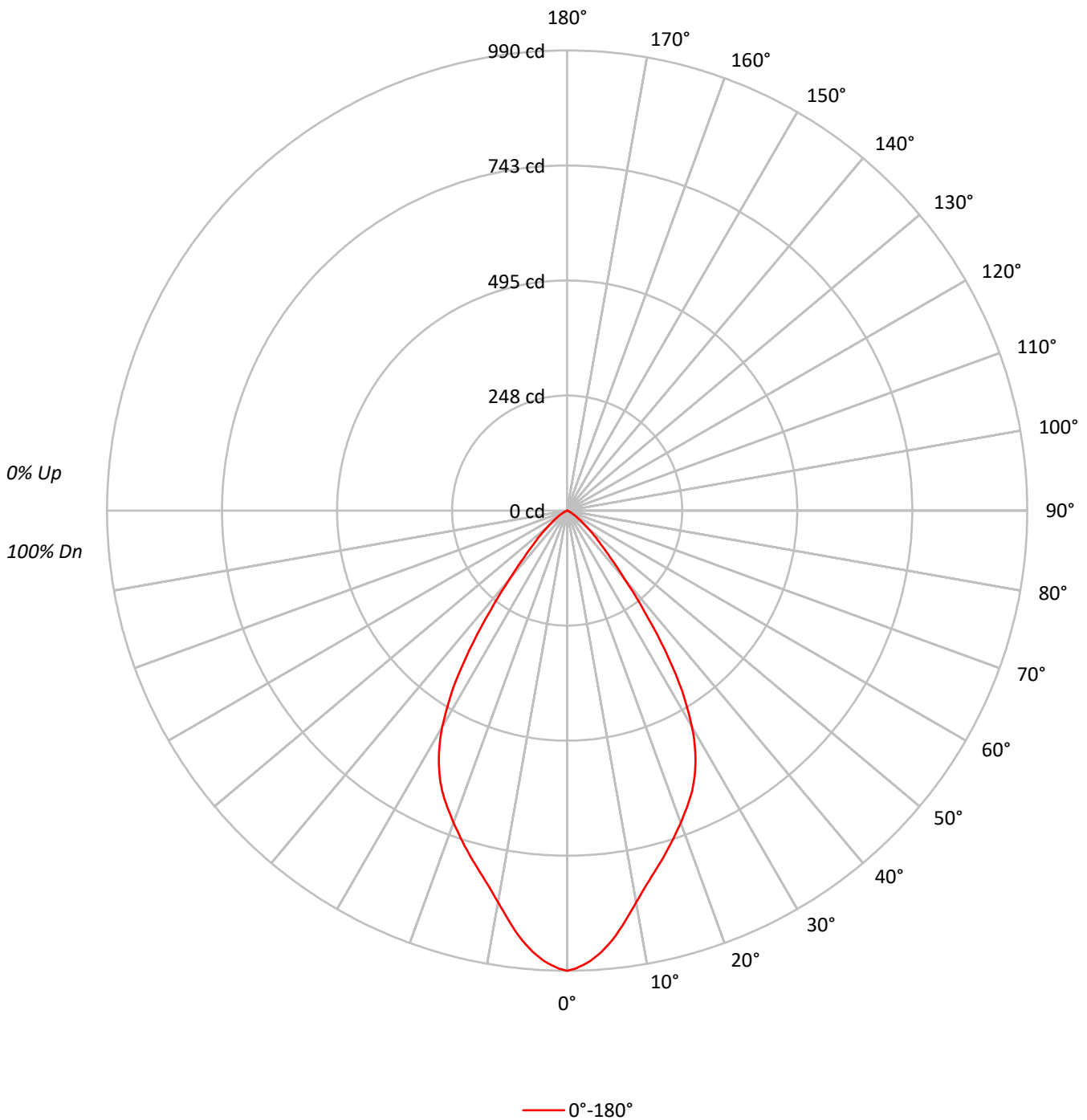
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67
6	85	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50
10	69	59	53	49	68	58	53	49	58	52	48	57	52	48	56	51	48	47

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

	0°
0°	30534
5°	29239
10°	26794
15°	24930
20°	23450
25°	21939
30°	19131
35°	13827
40°	7753
45°	4461
50°	2730
55°	1554
60°	808
65°	409
70°	225
75°	131
80°	89
85°	71



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.2	9.2
10°-20°	219.5	23.2
20°-30°	292.9	31.0
30°-40°	225.8	23.9
40°-50°	84.2	8.9
50°-60°	27.5	2.9
60°-70°	6.3	0.7
70°-80°	1.3	0.1
80°-90°	0.2	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°	599.7	63.5
0°-40°	825.5	87.4
0°-60°	937.2	99.2
0°-90°	945.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	945.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	990	
5°	945	87
15°	781	220
25°	645	293
35°	367	226
45°	102	84
55°	29	28
65°	6	6
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	990.2
1°	985.9
2°	978.7
3°	969.5
4°	958.2
5°	944.6
6°	929.3
7°	911.7
8°	892.9
9°	873.5
10°	855.7
11°	838.5
12°	822.5
13°	807.8
14°	794.3
15°	780.9
16°	767.4
17°	754.3
18°	740.8
19°	727.4
20°	714.6
21°	701.2
22°	688.4
23°	674.8
24°	660.6
25°	644.8
26°	627.4
27°	608.2
28°	587.0
29°	563.3
30°	537.3
32.5°	461.3
35°	367.3
37.5°	272.1
40°	192.6
42.5°	137.9
45°	102.3
47.5°	77.0
50°	56.9
52.5°	40.6
55°	28.9
57.5°	19.9
60°	13.1
62.5°	8.6
65°	5.6



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	3.8
70°	2.5
72.5°	1.6
75°	1.1
77.5°	0.7
80°	0.5
82.5°	0.2
85°	0.2
87.5°	0.0
90°	0.0

(END OF REPORT)