

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: P246726

Luminaire Tested: **LSR8B10D010 EC8B10940 8LBM0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246726  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201674)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B10D010 EC8B10940 8LBM0MW  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 4000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1007.0 lumens  
Efficiency: N/A  
Efficacy: 98.7 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

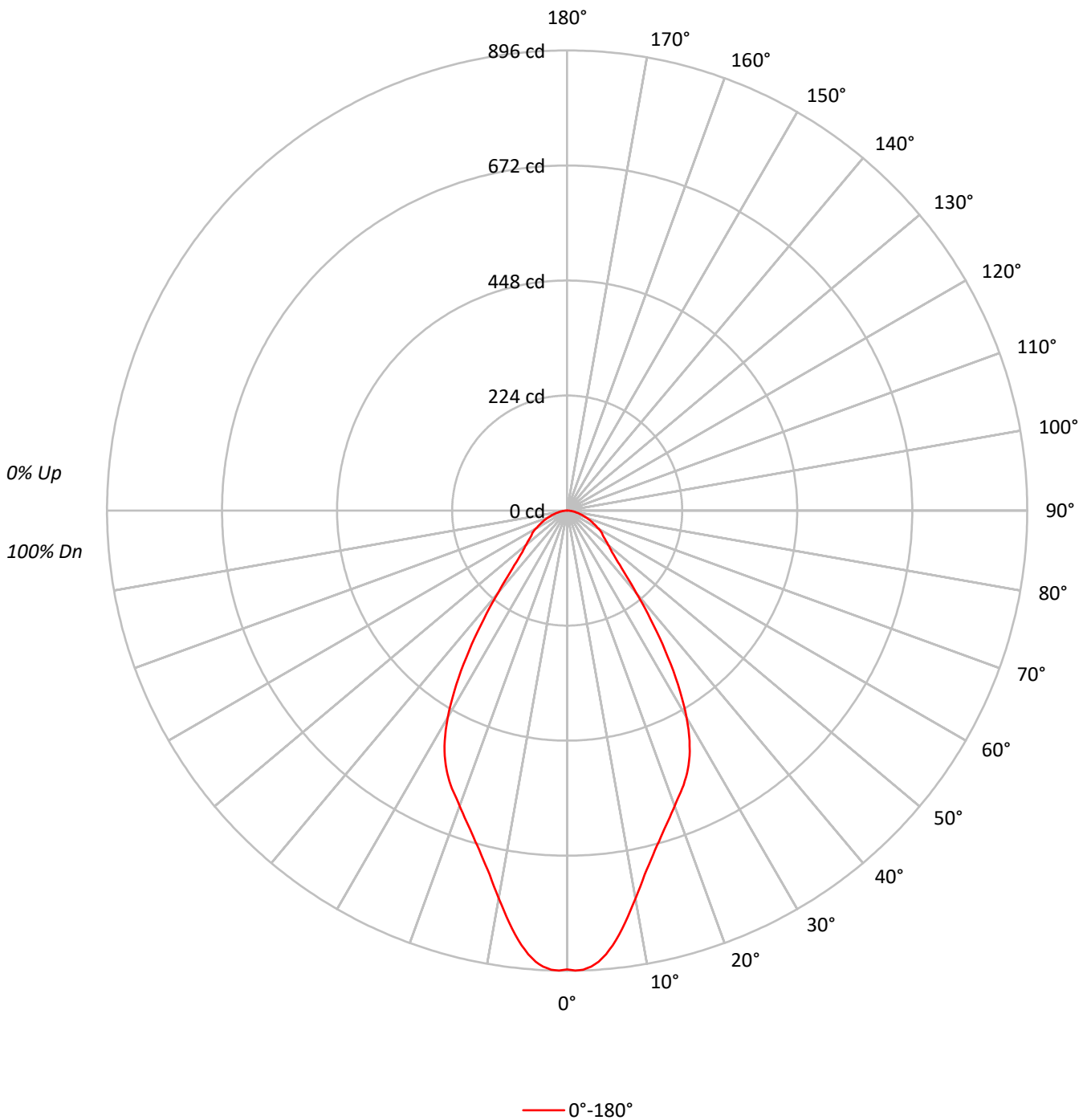
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65
5	85	75	68	63	83	74	67	62	72	66	62	70	65	61	69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	56	49	44	54	48	44	54	48	44	53	48	44	42
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	50	45	41	39

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

	0°
0°	27546
5°	26846
10°	24001
15°	21568
20°	20086
25°	18924
30°	16543
35°	12536
40°	8421
45°	5935
50°	5032
55°	4591
60°	4348
65°	3911
70°	3516
75°	3169
80°	2788
85°	2689



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.4	7.9
10°-20°	190.5	18.9
20°-30°	252.5	25.1
30°-40°	207.0	20.6
40°-50°	110.3	11.0
50°-60°	77.6	7.7
60°-70°	53.5	5.3
70°-80°	27.9	2.8
80°-90°	8.3	0.8
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°	522.4	51.9
0°-40°	729.4	72.4
0°-60°	917.4	91.1
0°-90°	1007.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1007.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	893	
5°	867	79
15°	676	191
25°	556	252
35°	333	207
45°	136	110
55°	85	78
65°	54	54
75°	27	28
85°	8	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	893.3
1°	895.8
2°	894.7
3°	889.4
4°	880.4
5°	867.3
6°	851.0
7°	831.5
8°	810.5
9°	788.1
10°	766.5
11°	745.9
12°	724.9
13°	707.4
14°	690.8
15°	675.6
16°	661.3
17°	648.2
18°	636.0
19°	623.8
20°	612.1
21°	600.7
22°	590.8
23°	580.6
24°	568.7
25°	556.2
26°	541.9
27°	525.9
28°	507.7
29°	487.7
30°	464.6
31°	440.5
32°	415.1
33°	388.1
34°	360.9
35°	333.0
37.5°	266.8
40°	209.2
42.5°	165.2
45°	136.1
47.5°	116.9
50°	104.9
52.5°	94.4
55°	85.4
57.5°	79.8



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	70.5
62.5°	61.5
65°	53.6
67.5°	46.6
70°	39.0
72.5°	32.6
75°	26.6
77.5°	19.2
80°	15.7
82.5°	11.4
85°	7.6
87.5°	3.5
90°	0.0

(END OF REPORT)