

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: P250787

Luminaire Tested: **LSR8B100D010 EC8B1009730 8LBM0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250787  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13935)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B100D010 EC8B1009730 8LBM0MW  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
97 CRI 3000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7995.0 lumens  
Efficiency: N/A  
Efficacy: 75.2 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

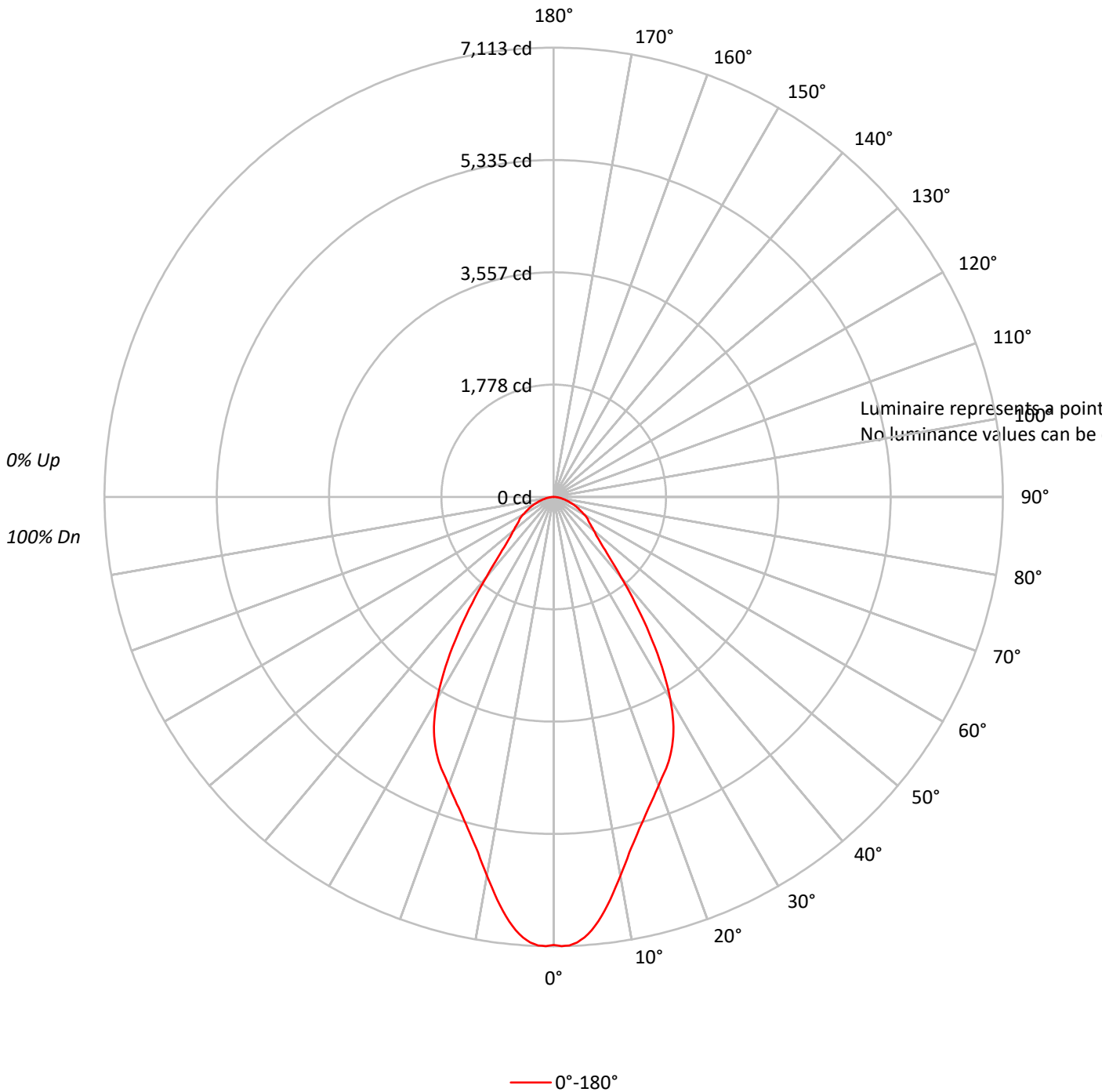
Input Watts (W): 106.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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):**





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	630.3	7.9
10°-20°	1512.8	18.9
20°-30°	2004.7	25.1
30°-40°	1643.9	20.6
40°-50°	875.5	11.0
50°-60°	616.2	7.7
60°-70°	424.9	5.3
70°-80°	221.3	2.8
80°-90°	65.5	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°	4147.7	51.9
0°-40°	5791.6	72.4
0°-60°	7283.3	91.1
0°-90°	7995.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7995.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7092	
5°	6886	630
15°	5364	1513
25°	4416	2005
35°	2644	1644
45°	1080	876
55°	678	616
65°	426	425
75°	210	221
85°	60	65
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7092.0
1°	7112.8
2°	7103.5
3°	7061.9
4°	6990.2
5°	6886.1
6°	6756.6
7°	6601.6
8°	6435.0
9°	6256.9
10°	6085.8
11°	5921.5
12°	5755.0
13°	5616.2
14°	5484.4
15°	5364.1
16°	5250.7
17°	5146.7
18°	5049.5
19°	4952.4
20°	4859.8
21°	4769.6
22°	4691.0
23°	4610.0
24°	4515.2
25°	4415.7
26°	4302.4
27°	4175.2
28°	4031.7
29°	3872.1
30°	3689.4
31°	3497.4
32°	3296.2
33°	3081.1
34°	2865.9
35°	2643.8
37.5°	2118.8
40°	1660.8
42.5°	1311.5
45°	1080.2
47.5°	927.6
50°	832.7
52.5°	749.5
55°	677.8
57.5°	633.8



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	559.8
62.5°	488.0
65°	425.6
67.5°	370.1
70°	309.9
72.5°	259.0
75°	210.5
77.5°	152.6
80°	124.9
82.5°	90.2
85°	60.2
87.5°	27.7
90°	0.0

(END OF REPORT)