

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: P247328

Luminaire Tested: **LSR8B100D010 EC8B100927 8LBM0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247328  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201734)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B100D010 EC8B100927 8LBM0WMH  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
97 CRI 2700 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8103.4 lumens  
Efficiency: N/A  
Efficacy: 76.2 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.9  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

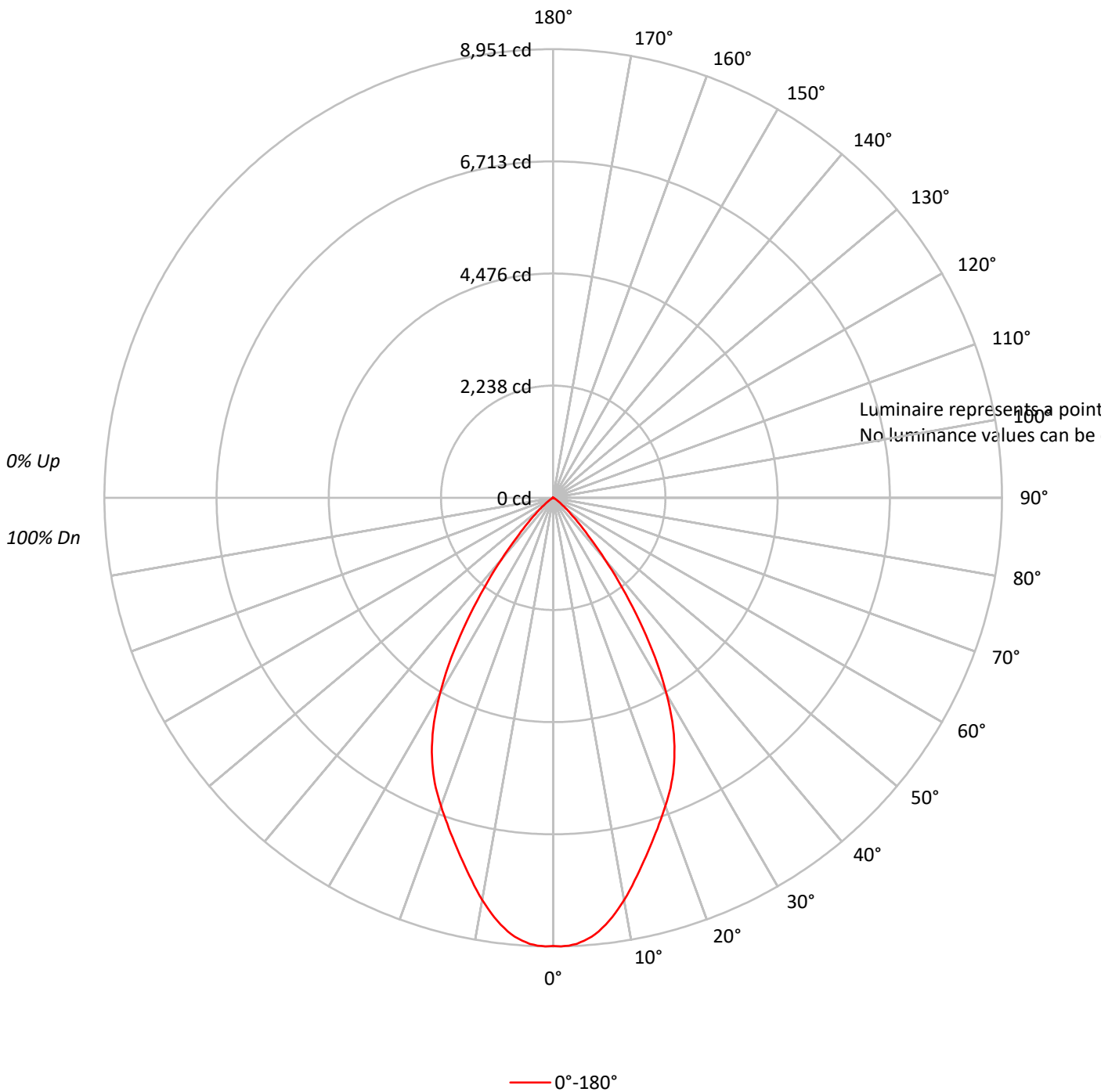
Input Watts (W): 106.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80
4	97	89	83	79	95	88	82	78	86	81	77	84	80	77	82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72	79	74	71	77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66	74	69	66	73	69	66	64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	50	49

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	818.0	10.1
10°-20°	2051.1	25.3
20°-30°	2589.2	32.0
30°-40°	1862.6	23.0
40°-50°	616.5	7.6
50°-60°	134.3	1.7
60°-70°	27.6	0.3
70°-80°	2.7	0.0
80°-90°	1.4	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°	5458.4	67.4
0°-40°	7320.9	90.3
0°-60°	8071.7	99.6
0°-90°	8103.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8103.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8939	
5°	8790	818
15°	7307	2051
25°	5719	2589
35°	3002	1863
45°	724	616
55°	131	134
65°	25	28
75°	2	3
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	8938.8
1°	8951.4
2°	8940.9
3°	8911.5
4°	8856.7
5°	8790.1
6°	8698.6
7°	8579.6
8°	8448.2
9°	8304.6
10°	8146.6
11°	7985.2
12°	7809.6
13°	7640.3
14°	7470.1
15°	7306.8
16°	7145.9
17°	6991.8
18°	6838.9
19°	6692.0
20°	6543.9
21°	6392.4
22°	6244.3
23°	6083.2
24°	5909.6
25°	5718.8
26°	5518.7
27°	5295.6
28°	5059.8
29°	4797.8
30°	4524.9
31°	4237.9
32°	3935.7
33°	3618.7
34°	3308.6
35°	3001.5
37.5°	2254.2
40°	1597.3
42.5°	1082.1
45°	723.6
47.5°	485.4
50°	324.4
52.5°	195.9
55°	131.4
57.5°	91.5



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	54.3
62.5°	37.1
65°	24.9
67.5°	22.3
70°	2.0
72.5°	5.2
75°	2.0
77.5°	2.0
80°	0.0
82.5°	5.2
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)