

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: P250782

Luminaire Tested: **LSR8B150D010 EC8B1509727 8LBM0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250782  
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: LSR8B150D010 EC8B1509727 8LBM0MW  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
97 CRI 2700 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11197.0 lumens  
Efficiency: N/A  
Efficacy: 70.6 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

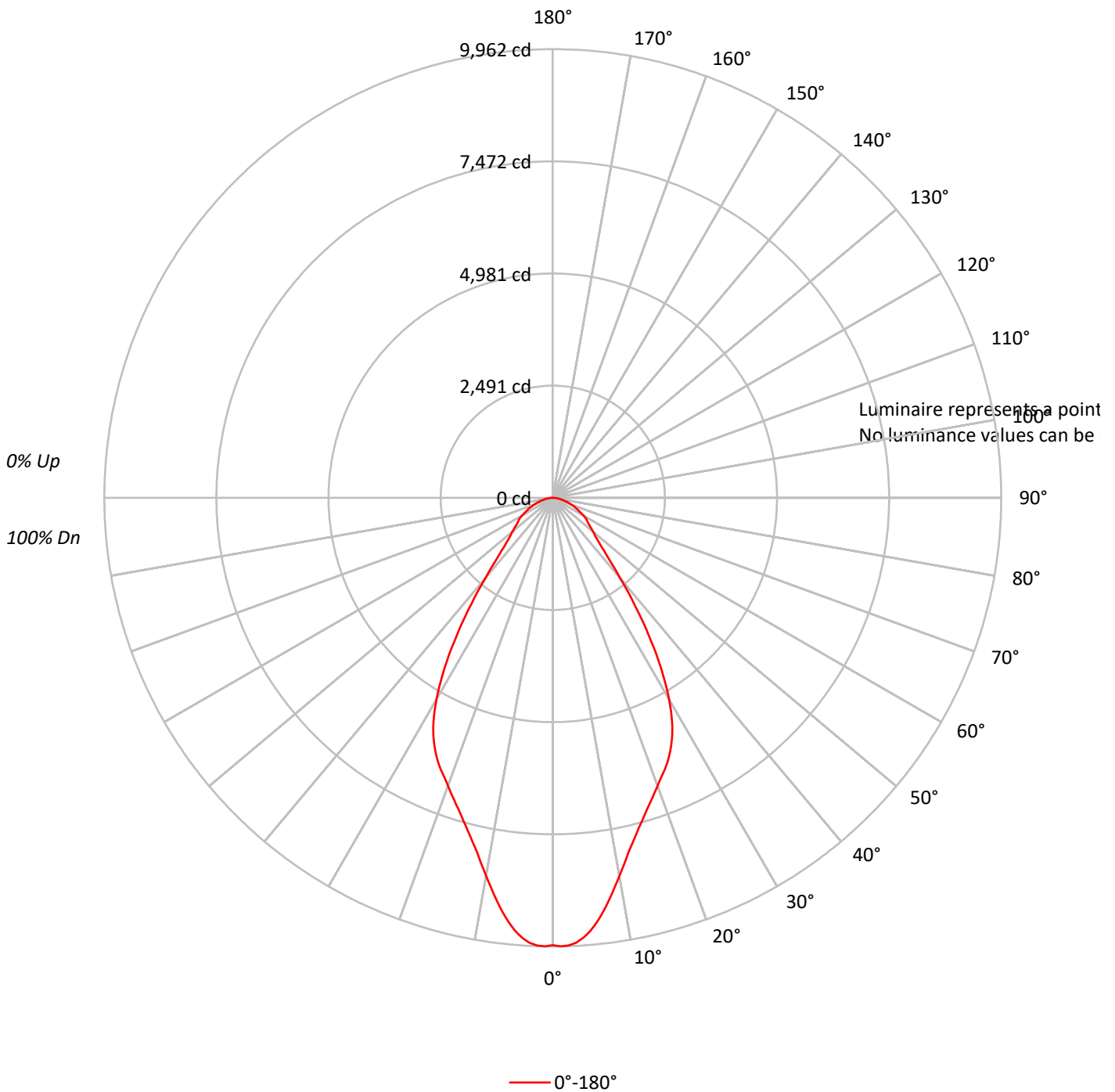
Input Watts (W): 158.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	882.7	7.9
10°-20°	2118.6	18.9
20°-30°	2807.6	25.1
30°-40°	2302.2	20.6
40°-50°	1226.2	11.0
50°-60°	863.0	7.7
60°-70°	595.1	5.3
70°-80°	309.9	2.8
80°-90°	91.7	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°	5808.9	51.9
0°-40°	8111.1	72.4
0°-60°	10200.3	91.1
0°-90°	11197.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11197.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9932	
5°	9644	883
15°	7512	2119
25°	6184	2808
35°	3703	2302
45°	1513	1226
55°	949	863
65°	596	595
75°	295	310
85°	84	92
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	9932.3
1°	9961.5
2°	9948.5
3°	9890.1
4°	9789.8
5°	9643.9
6°	9462.6
7°	9245.6
8°	9012.3
9°	8762.8
10°	8523.1
11°	8293.1
12°	8059.8
13°	7865.5
14°	7680.9
15°	7512.4
16°	7353.7
17°	7207.9
18°	7071.8
19°	6935.8
20°	6806.2
21°	6679.8
22°	6569.7
23°	6456.3
24°	6323.5
25°	6184.2
26°	6025.5
27°	5847.3
28°	5646.4
29°	5422.9
30°	5167.0
31°	4898.1
32°	4616.3
33°	4315.0
34°	4013.7
35°	3702.7
37.5°	2967.4
40°	2326.0
42.5°	1836.8
45°	1512.9
47.5°	1299.1
50°	1166.2
52.5°	1049.6
55°	949.2
57.5°	887.6



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	783.9
62.5°	683.5
65°	596.1
67.5°	518.3
70°	434.1
72.5°	362.8
75°	294.8
77.5°	213.8
80°	174.9
82.5°	126.3
85°	84.3
87.5°	38.8
90°	0.0

(END OF REPORT)