

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: P250789

Luminaire Tested: **LSR8B150D010 EC8B1509730 8LBM0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250789  
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 EC8B1509730 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: 11846.0 lumens  
Efficiency: N/A  
Efficacy: 74.7 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

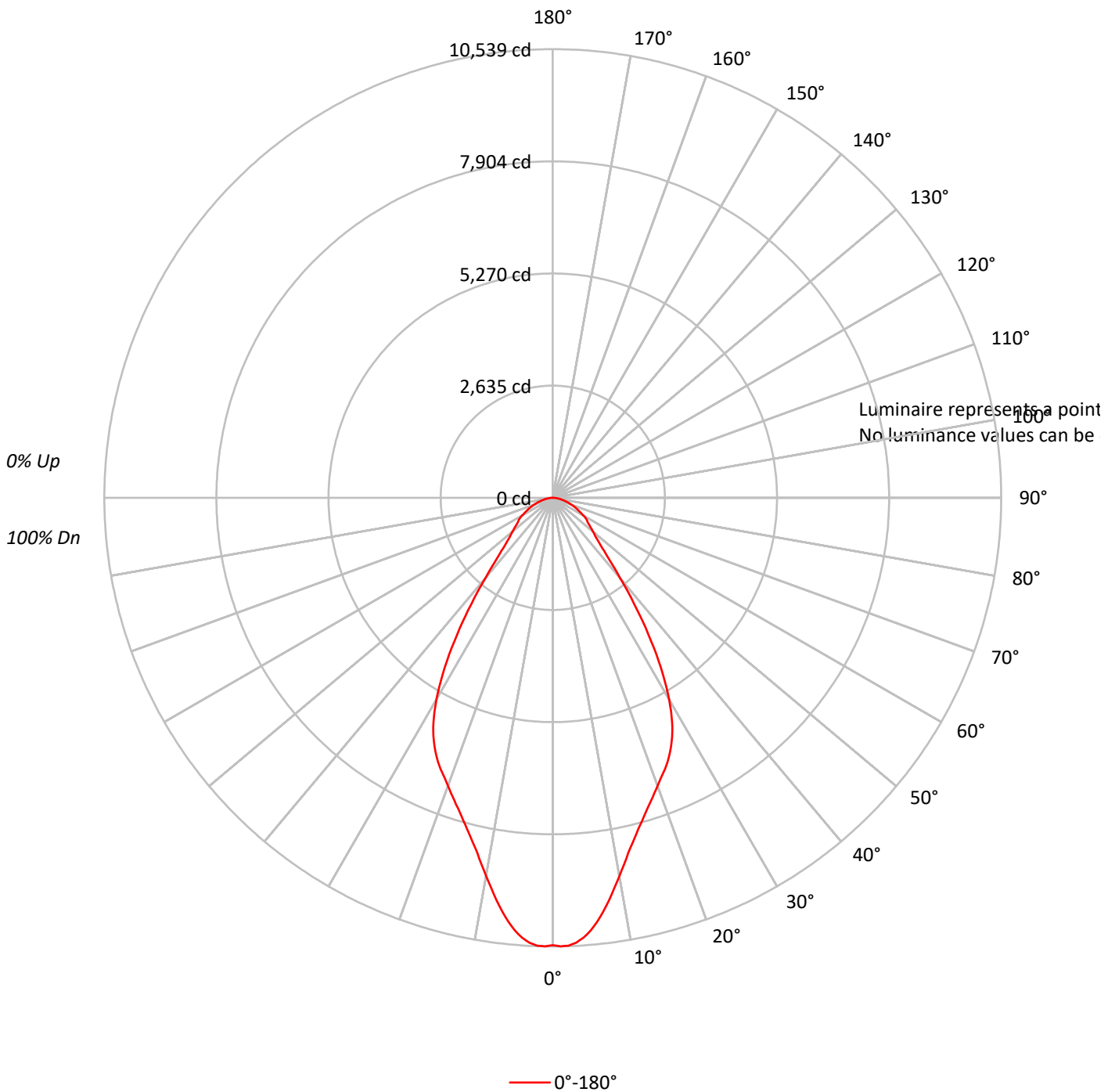
Input Watts (W): 158.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	933.9	7.9
10°-20°	2241.4	18.9
20°-30°	2970.3	25.1
30°-40°	2435.7	20.6
40°-50°	1297.2	11.0
50°-60°	913.1	7.7
60°-70°	629.6	5.3
70°-80°	327.9	2.8
80°-90°	97.0	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°	6145.6	51.9
0°-40°	8581.2	72.4
0°-60°	10791.5	91.1
0°-90°	11846.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11846.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10508	
5°	10203	934
15°	7948	2241
25°	6543	2970
35°	3917	2436
45°	1600	1297
55°	1004	913
65°	631	630
75°	312	328
85°	89	97
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	10508.0
1°	10538.9
2°	10525.1
3°	10463.4
4°	10357.2
5°	10202.9
6°	10011.1
7°	9781.4
8°	9534.6
9°	9270.7
10°	9017.2
11°	8773.8
12°	8527.0
13°	8321.4
14°	8126.1
15°	7947.9
16°	7779.9
17°	7625.7
18°	7481.7
19°	7337.8
20°	7200.7
21°	7067.0
22°	6950.5
23°	6830.5
24°	6690.1
25°	6542.6
26°	6374.7
27°	6186.2
28°	5973.7
29°	5737.2
30°	5466.5
31°	5182.0
32°	4883.9
33°	4565.1
34°	4246.4
35°	3917.3
37.5°	3139.4
40°	2460.8
42.5°	1943.3
45°	1600.5
47.5°	1374.4
50°	1233.8
52.5°	1110.5
55°	1004.2
57.5°	939.1



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	829.4
62.5°	723.1
65°	630.6
67.5°	548.4
70°	459.2
72.5°	383.8
75°	311.9
77.5°	226.2
80°	185.1
82.5°	133.7
85°	89.1
87.5°	41.1
90°	0.0

(END OF REPORT)