

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: P250621

Luminaire Tested: **LSR8B150D010 EC8B1509730 8LBM0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250621  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13928)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B150D010 EC8B1509730 8LBM0B  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
97 CRI 3000 CCT WITH SPECULAR BLACK TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7532.0 lumens  
Efficiency: N/A  
Efficacy: 47.5 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.87  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

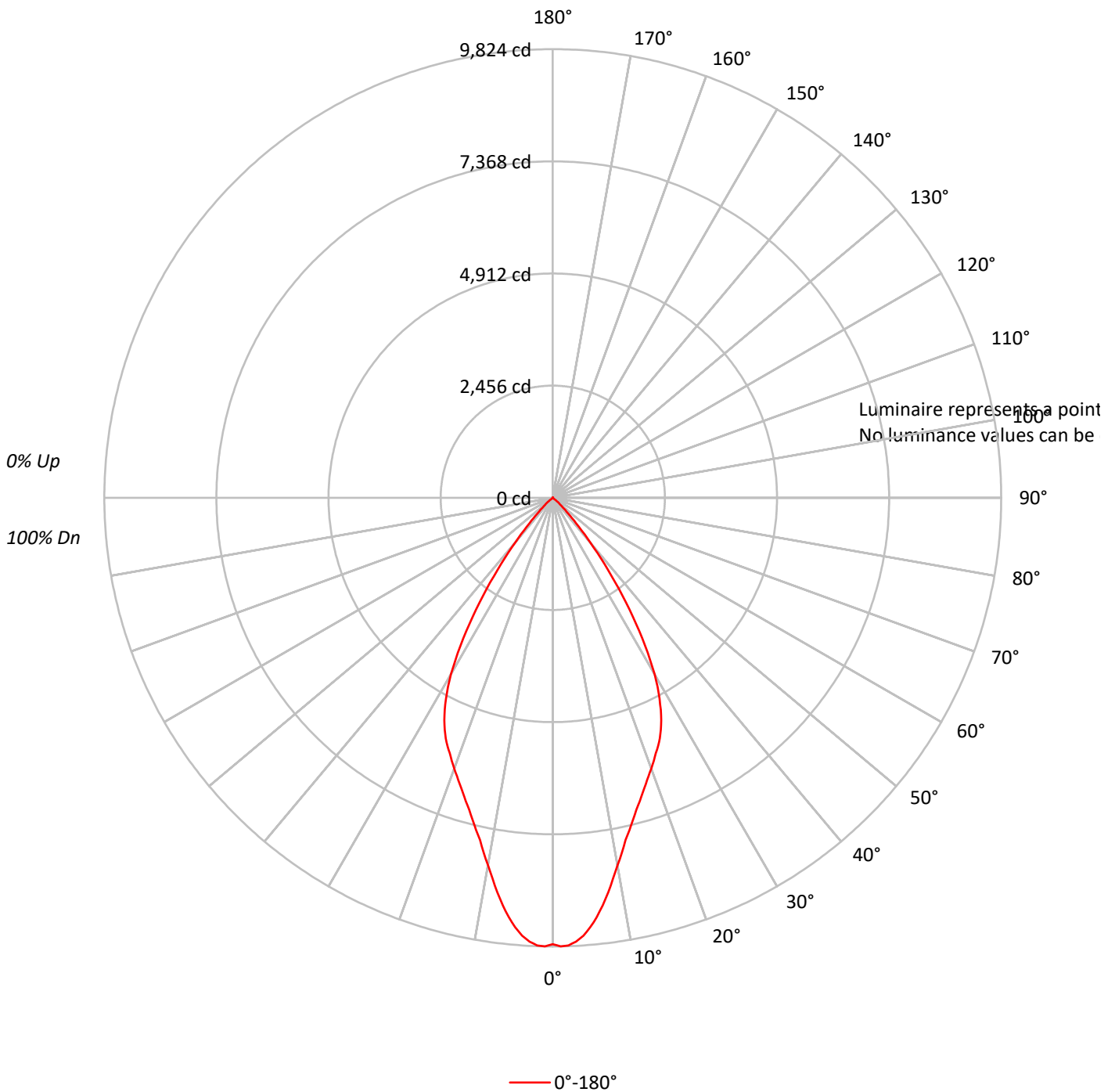
Input Watts (W): 158.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				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	50	30	10	50	30	10	
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	100	100	
1	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94	94	94	94	94	94	
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87	87	87	87	87	87	
3	103	96	92	88	101	95	91	87	92	89	86	90	87	84	88	85	83	81	81	81	81	81	81	
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	77	76	76	76	76	76	76	
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	72	71	71	71	71	71	71	
6	88	79	74	69	87	79	73	69	77	72	69	76	71	68	74	71	68	66	66	66	66	66	66	
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	70	66	63	62	62	62	62	62	62	
8	80	70	64	60	79	70	64	60	69	64	60	68	63	60	67	63	60	58	58	58	58	58	58	
9	76	66	61	57	75	66	60	57	65	60	56	64	60	56	63	59	56	55	55	55	55	55	55	
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	51	51	51	51	51	51	

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	858.4	11.4
10°-20°	1993.5	26.5
20°-30°	2529.1	33.6
30°-40°	1732.6	23.0
40°-50°	394.8	5.2
50°-60°	19.7	0.3
60°-70°	0.9	0.0
70°-80°	1.5	0.0
80°-90°	1.5	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°	5381.0	71.4
0°-40°	7113.6	94.4
0°-60°	7528.1	99.9
0°-90°	7532.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7532.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9773	
5°	9438	858
15°	7076	1994
25°	5602	2529
35°	2799	1733
45°	426	395
55°	7	20
65°	4	1
75°	0	1
85°	0	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	9773.0
1°	9824.0
2°	9805.7
3°	9733.0
4°	9609.2
5°	9438.2
6°	9230.6
7°	8990.4
8°	8724.7
9°	8440.8
10°	8171.4
11°	7923.9
12°	7658.3
13°	7465.4
14°	7261.5
15°	7075.9
16°	6908.5
17°	6744.6
18°	6591.8
19°	6442.5
20°	6307.8
21°	6169.5
22°	6027.6
23°	5903.9
24°	5765.5
25°	5601.8
26°	5419.7
27°	5208.6
28°	4983.0
29°	4731.8
30°	4455.2
31°	4142.1
32°	3818.2
33°	3479.7
34°	3133.9
35°	2799.0
37.5°	1976.4
40°	1273.9
42.5°	749.8
45°	425.9
47.5°	229.3
50°	116.5
52.5°	21.8
55°	7.3
57.5°	3.7



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	0.0
62.5°	0.0
65°	3.7
67.5°	0.0
70°	0.0
72.5°	3.7
75°	0.0
77.5°	0.0
80°	3.7
82.5°	0.0
85°	0.0
87.5°	3.7
90°	0.0

(END OF REPORT)