

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: P249928

Luminaire Tested: **LSR8B150D010 EC8B150940 8LBM0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249928  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13954)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B150D010 EC8B150940 8LBM0H  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14042.0 lumens  
Efficiency: N/A  
Efficacy: 88.6 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.93  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

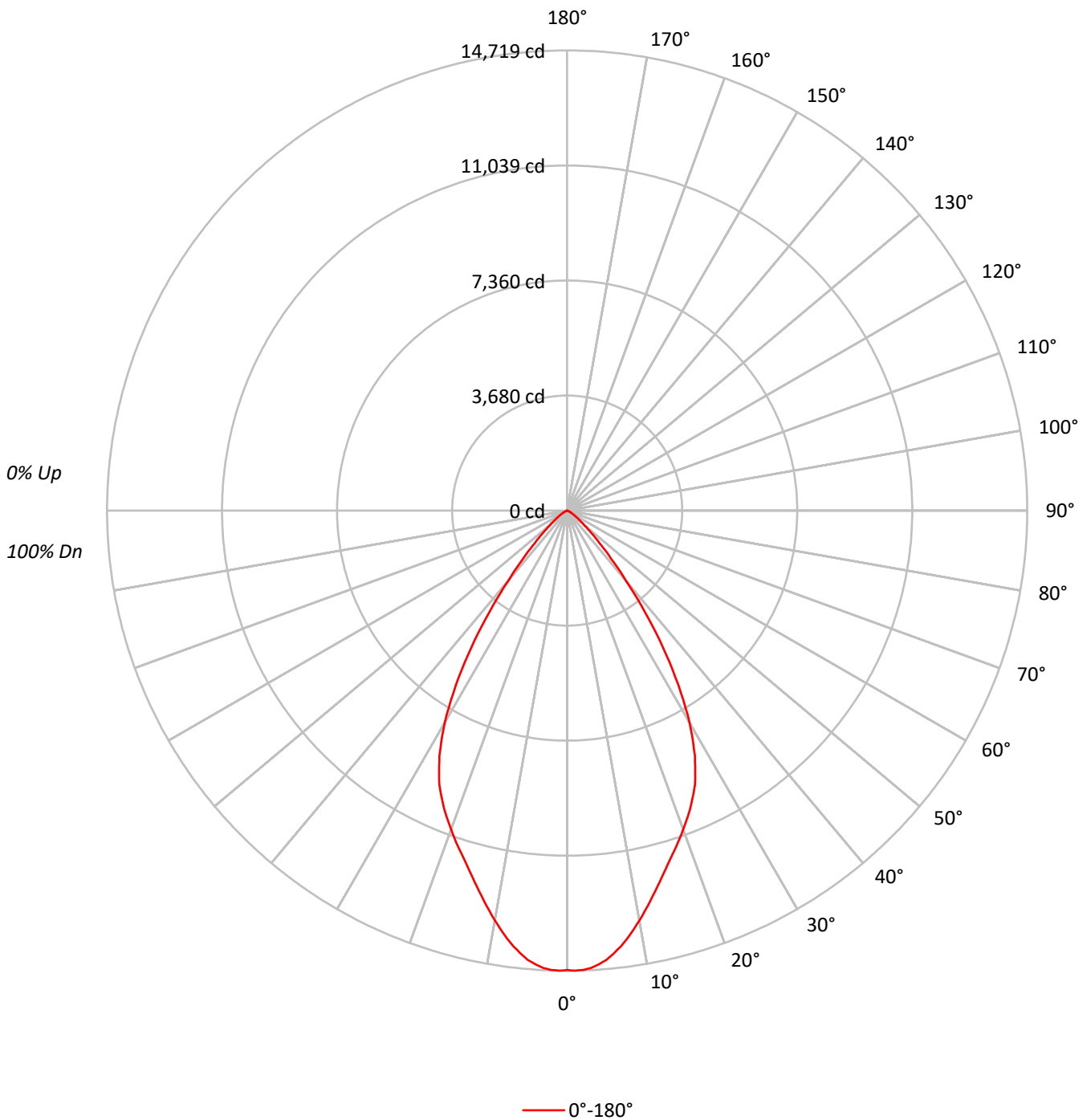
Input Watts (W): 158.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86
3	101	95	90	85	99	93	89	85	91	87	83	88	85	82	86	83	81	79
4	96	88	82	78	94	87	82	77	85	80	76	83	79	76	81	77	75	73
5	91	82	76	71	89	81	75	71	79	74	70	78	73	70	76	72	69	68
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63
7	81	72	65	61	80	71	65	61	70	64	60	68	64	60	67	63	60	58
8	77	67	61	57	76	67	61	56	65	60	56	64	60	56	63	59	56	54
9	73	63	57	53	72	63	57	53	62	56	53	61	56	52	60	55	52	51
10	70	60	53	49	69	59	53	49	58	53	49	57	53	49	57	52	49	48

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

	0°
0°	453217
5°	446541
10°	416738
15°	382521
20°	356266
25°	329156
30°	279128
35°	200802
40°	118290
45°	63216
50°	32986
55°	18601
60°	10262
65°	6071
70°	2768
75°	1561
80°	781
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1339.9	9.5
10°-20°	3371.2	24.0
20°-30°	4376.6	31.2
30°-40°	3303.3	23.5
40°-50°	1208.7	8.6
50°-60°	337.9	2.4
60°-70°	88.8	0.6
70°-80°	14.9	0.1
80°-90°	0.6	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°	9087.7	64.7
0°-40°	12391.0	88.2
0°-60°	13937.6	99.3
0°-90°	14042.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14042.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	14698	
5°	14426	###
15°	11982	3371
25°	9674	4377
35°	5334	3303
45°	1450	1209
55°	346	338
65°	83	89
75°	13	15
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	14697.5
1°	14719.4
2°	14701.9
3°	14644.9
4°	14548.6
5°	14425.9
6°	14246.4
7°	14049.3
8°	13821.6
9°	13572.0
10°	13309.2
11°	13046.4
12°	12774.9
13°	12499.0
14°	12236.2
15°	11982.2
16°	11741.3
17°	11509.2
18°	11299.0
19°	11080.0
20°	10856.7
22.5°	10300.5
25°	9674.2
27.5°	8846.5
30°	7839.2
32.5°	6626.1
35°	5334.2
37.5°	4072.9
40°	2938.6
42.5°	2080.2
45°	1449.6
47.5°	1020.4
50°	687.6
52.5°	503.6
55°	346.0
57.5°	249.6
60°	166.4
62.5°	122.6
65°	83.2
67.5°	56.9
70°	30.7
72.5°	21.9
75°	13.1
77.5°	4.4
80°	4.4



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**CANDELA DISTRIBUTION (continued):**

	0°
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)