

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: P249879

Luminaire Tested: **LSR8B150D010 EC8B150830 8LBM0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249879  
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 EC8B150830 8LBM0H  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15161.0 lumens  
Efficiency: N/A  
Efficacy: 95.7 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

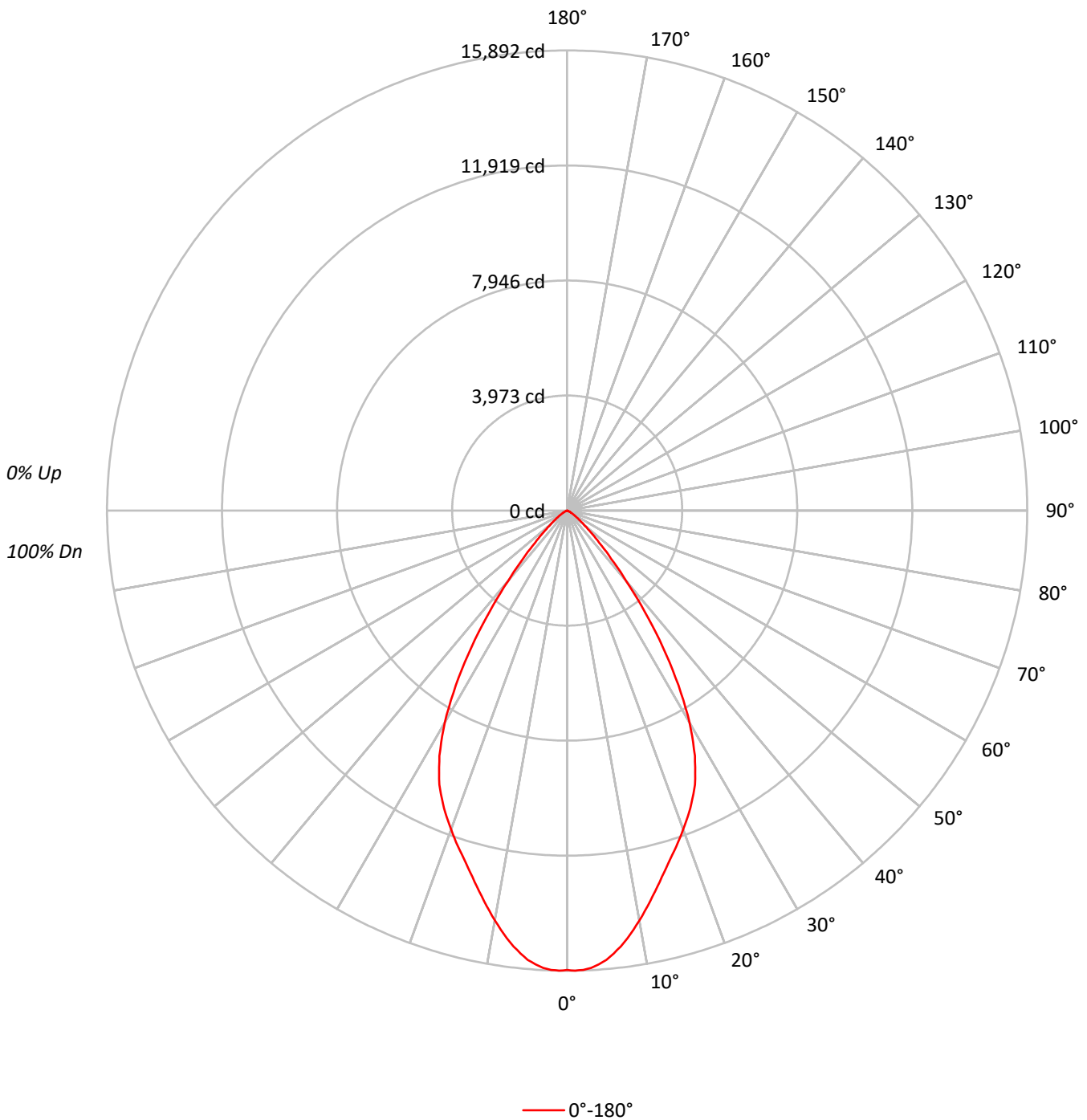
Input Watts (W): 158.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	489332
5°	482126
10°	449947
15°	413005
20°	384655
25°	355389
30°	301372
35°	216804
40°	127718
45°	68253
50°	35615
55°	20080
60°	11083
65°	6552
70°	2984
75°	1692
80°	835
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1446.7	9.5
10°-20°	3639.9	24.0
20°-30°	4725.3	31.2
30°-40°	3566.6	23.5
40°-50°	1305.0	8.6
50°-60°	364.8	2.4
60°-70°	95.9	0.6
70°-80°	16.1	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°	9811.9	64.7
0°-40°	13378.5	88.2
0°-60°	15048.3	99.3
0°-90°	15161.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15161.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	15869	
5°	15576	###
15°	12937	3640
25°	10445	4725
35°	5759	3567
45°	1565	1305
55°	374	365
65°	90	96
75°	14	16
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	15868.7
1°	15892.3
2°	15873.4
3°	15812.0
4°	15707.9
5°	15575.5
6°	15381.7
7°	15168.9
8°	14923.0
9°	14653.5
10°	14369.8
11°	14086.1
12°	13792.9
13°	13495.0
14°	13211.3
15°	12937.1
16°	12677.0
17°	12426.4
18°	12199.4
19°	11963.0
20°	11721.8
22.5°	11121.3
25°	10445.2
27.5°	9551.5
30°	8463.9
32.5°	7154.2
35°	5759.3
37.5°	4397.5
40°	3172.8
42.5°	2246.0
45°	1565.1
47.5°	1101.7
50°	742.4
52.5°	543.8
55°	373.5
57.5°	269.5
60°	179.7
62.5°	132.4
65°	89.8
67.5°	61.5
70°	33.1
72.5°	23.6
75°	14.2
77.5°	4.7
80°	4.7



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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)