

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: P249858

Luminaire Tested: **LSR8B150D010 EC8B150927 8LBN0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249858  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13959)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B150D010 EC8B150927 8LBN0H  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11163.4 lumens  
Efficiency: N/A  
Efficacy: 70.4 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.81  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

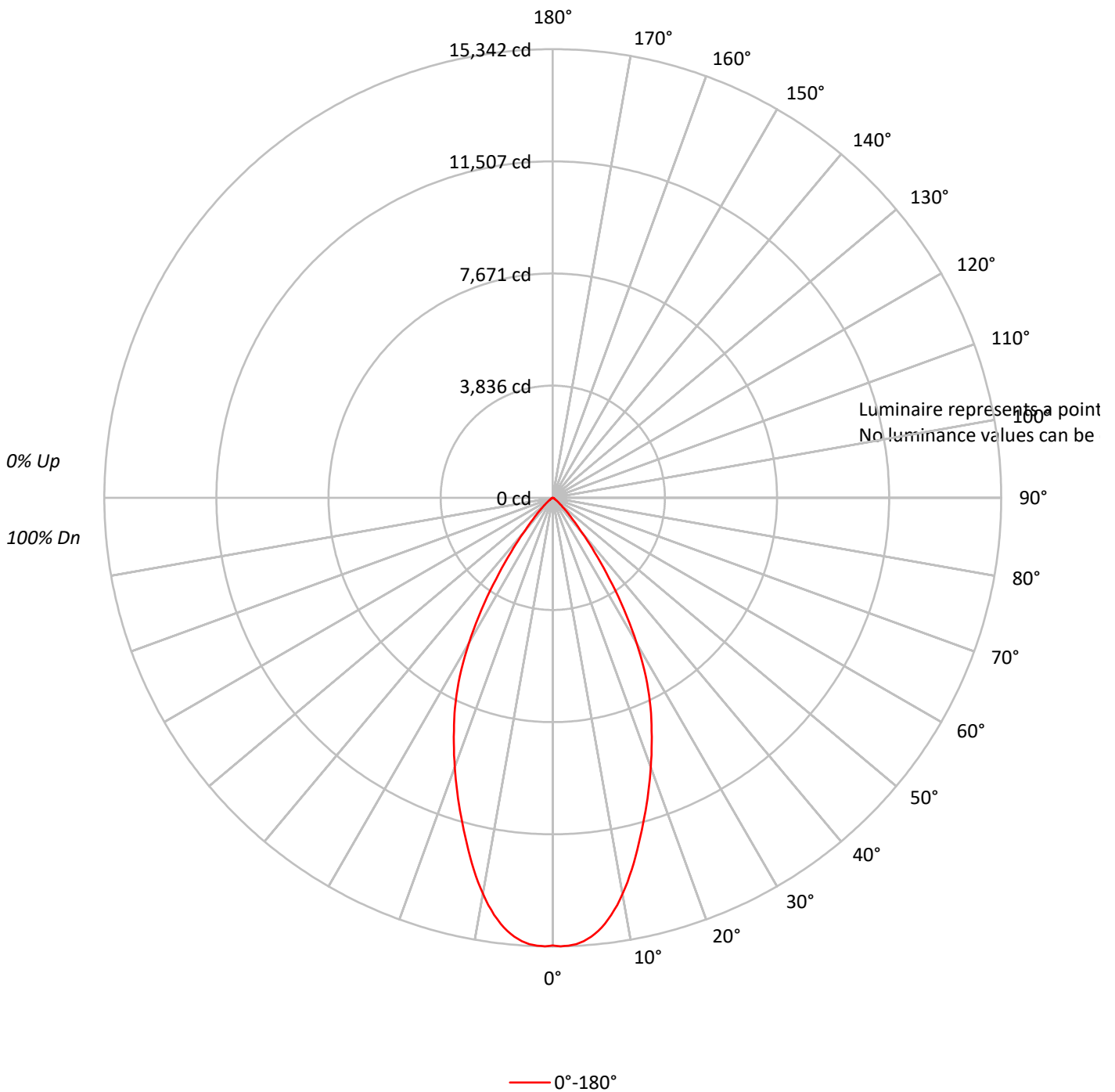
Input Watts (W): 158.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	103	100	96	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88	85	83	82
4	98	91	85	81	96	89	84	81	87	83	80		85	82	79		83	80	78	76
5	93	85	79	75	92	84	79	75	82	78	74		81	77	74		79	76	73	71
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75	71	68	67
7	84	75	70	66	83	75	69	65	74	69	65		72	68	65		71	67	64	63
8	81	71	65	62	79	71	65	61	70	65	61		69	64	61		68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58		65	61	57		64	60	57	56
10	73	64	58	55	72	64	58	55	63	58	54		62	57	54		61	57	54	53

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1396.2	12.5
10°-20°	3277.9	29.4
20°-30°	3582.6	32.1
30°-40°	2131.9	19.1
40°-50°	584.8	5.2
50°-60°	132.5	1.2
60°-70°	40.9	0.4
70°-80°	12.4	0.1
80°-90°	4.1	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°	8256.7	74.0
0°-40°	10388.6	93.1
0°-60°	11105.9	99.5
0°-90°	11163.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11163.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	15311	
5°	15066	###
15°	11764	3278
25°	7914	3583
35°	3374	2132
45°	684	585
55°	132	132
65°	42	41
75°	11	12
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	15311.2
1°	15341.5
2°	15322.6
3°	15284.8
4°	15198.0
5°	15065.8
6°	14895.8
7°	14669.1
8°	14404.6
9°	14098.6
10°	13754.8
11°	13388.4
12°	12995.6
13°	12591.3
14°	12171.9
15°	11764.0
16°	11363.5
17°	10970.7
18°	10577.7
19°	10184.8
20°	9803.4
22.5°	8843.7
25°	7914.4
27.5°	6890.6
30°	5753.6
32.5°	4533.3
35°	3373.5
37.5°	2346.0
40°	1556.4
42.5°	1020.0
45°	683.8
47.5°	453.4
50°	302.2
52.5°	185.1
55°	132.2
57.5°	94.5
60°	71.8
62.5°	52.9
65°	41.5
67.5°	26.4
70°	18.9
72.5°	15.1
75°	11.4
77.5°	7.5
80°	7.5



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**CANDELA DISTRIBUTION (continued):**

	0°
82.5°	3.8
85°	3.8
87.5°	3.8
90°	0.0

(END OF REPORT)