

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: P247841

Luminaire Tested: **LSR8B150D010 EC8B150830 8LBM0LI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247841  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-90)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B150D010 EC8B150830 8LBMOLI  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 3000 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15963.0 lumens  
Efficiency: N/A  
Efficacy: 100.7 lumens/watt  
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

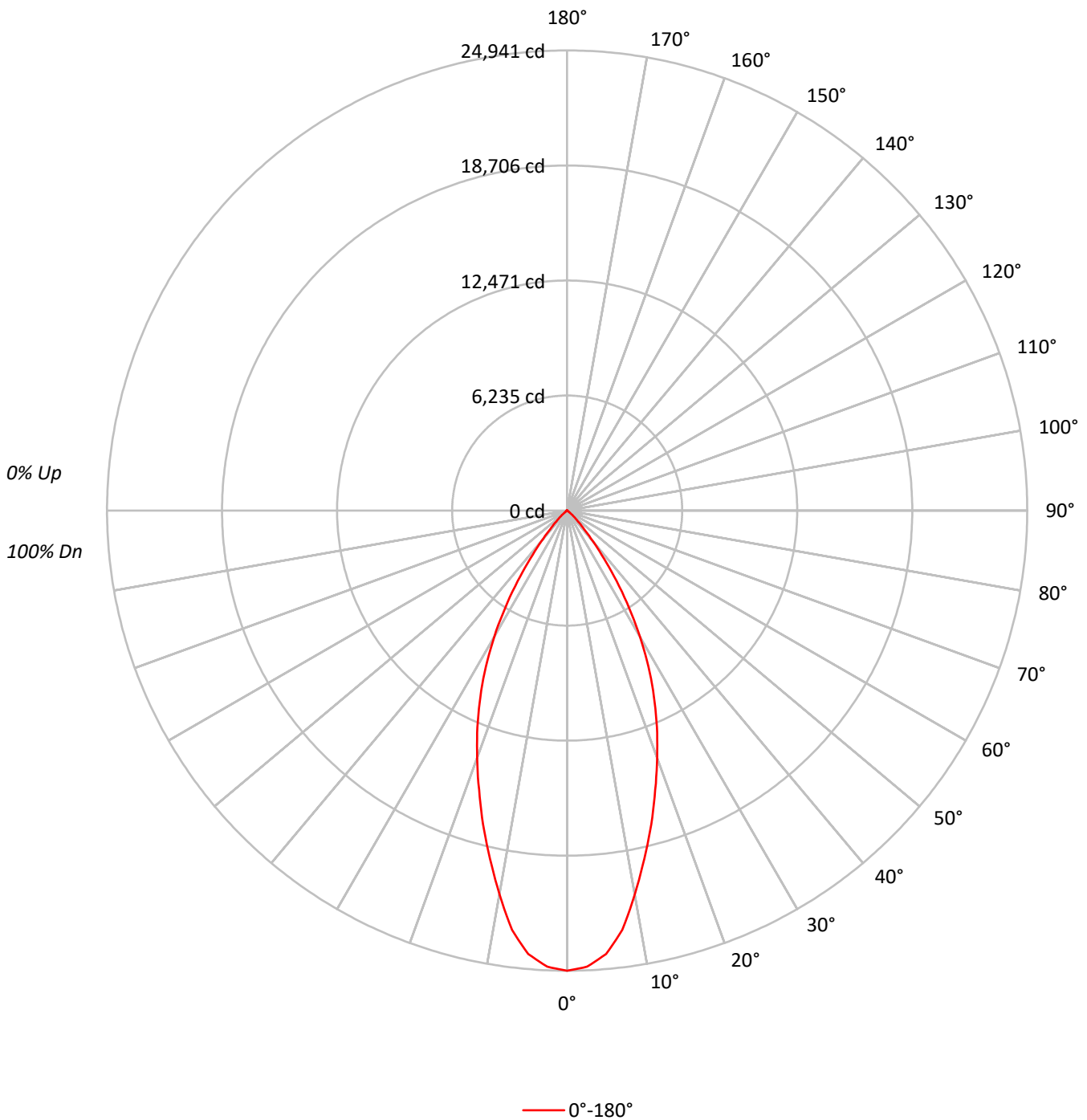
Input Watts (W): 158.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P247841

CATALOG NUMBER: LSR8B150D010 EC8B150830 8LBM0LI

### Luminous Intensity Polar Plot





TEST NUMBER: P247841

CATALOG NUMBER: LSR8B150D010 EC8B150830 8LBM0LI

**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	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	91	90	88
3	103	97	93	89	102	96	92	88	93	90	87		91	88	85		89	86	84	83
4	99	91	86	82	97	90	86	82	88	84	81		86	83	80		84	81	79	78
5	94	86	81	77	92	85	80	76	83	79	76		82	78	75		80	77	74	73
6	90	81	76	72	88	80	75	71	79	74	71		78	73	70		76	73	70	68
7	86	77	71	67	84	76	71	67	75	70	67		74	69	66		73	69	66	65
8	82	73	67	63	80	72	67	63	71	66	63		70	66	62		69	65	62	61
9	78	69	63	60	77	68	63	59	68	63	59		67	62	59		66	62	59	58
10	75	66	60	56	74	65	60	56	64	59	56		64	59	56		63	59	56	55

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

	0°
0°	769101
5°	747034
10°	661125
15°	561938
20°	467874
25°	378386
30°	281211
35°	175531
40°	86437
45°	36566
50°	13240
55°	4086
60°	2196
65°	912
70°	956
75°	226
80°	337
85°	0



TEST NUMBER: P247841

CATALOG NUMBER: LSR8B150D010 EC8B150830 8LBM0LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2207.2	13.8
10°-20°	4896.0	30.7
20°-30°	5057.7	31.7
30°-40°	2948.5	18.5
40°-50°	738.9	4.6
50°-60°	89.6	0.6
60°-70°	18.7	0.1
70°-80°	2.4	0.0
80°-90°	3.9	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°	12161.0	76.2
0°-40°	15109.5	94.7
0°-60°	15938.0	99.8
0°-90°	15963.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15963.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	24941	
5°	24134	###
15°	17602	4896
25°	11121	5058
35°	4663	2949
45°	838	739
55°	76	90
65°	12	19
75°	2	2
85°	0	4
90°	0	



TEST NUMBER: P247841

CATALOG NUMBER: LSR8B150D010 EC8B150830 8LBM0LI

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	24941.4
2.5°	24748.1
5°	24133.6
7.5°	22923.9
10°	21114.1
12.5°	19321.7
15°	17602.3
17.5°	15877.2
20°	14257.8
22.5°	12702.0
25°	11121.1
27.5°	9548.8
30°	7897.7
32.5°	6268.8
35°	4662.9
37.5°	3276.2
40°	2147.3
42.5°	1353.0
45°	838.5
47.5°	511.6
50°	276.0
52.5°	134.6
55°	76.0
57.5°	41.3
60°	35.6
62.5°	25.0
65°	12.5
67.5°	15.4
70°	10.6
72.5°	0.0
75°	1.9
77.5°	1.0
80°	1.9
82.5°	2.9
85°	0.0
87.5°	10.6
90°	0.0

(END OF REPORT)