

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: P246300

Luminaire Tested: **LSR8B10D010 EC8B10950 8LBW0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246300  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-47)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B10D010 EC8B10950 8LBW0B  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 5000 CCT WITH SPECULAR BLACK TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 676.0 lumens  
Efficiency: N/A  
Efficacy: 66.3 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.02  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

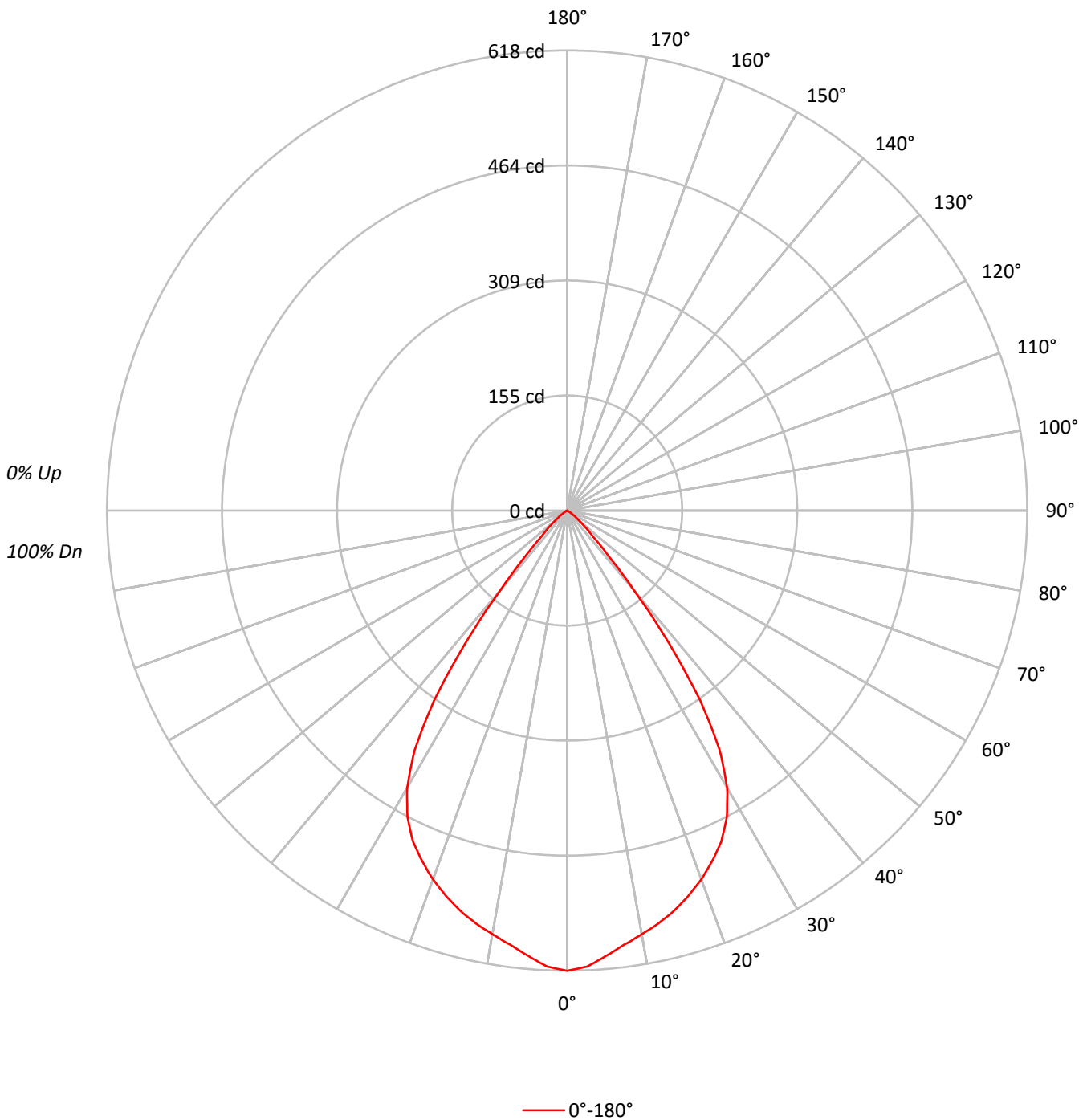
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P246300

CATALOG NUMBER: LSR8B10D010 EC8B10950 8LBW0B

### Luminous Intensity Polar Plot





TEST NUMBER: P246300

CATALOG NUMBER: LSR8B10D010 EC8B10950 8LBW0B

**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	106	111	108	106	104	104	102	101		101	99	98		97	96	95	93
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92	90	88	86
3	102	95	90	86	100	94	89	85	91	87	84		89	85	82		86	84	81	80
4	96	88	83	78	94	87	82	78	85	80	77		83	79	76		81	78	75	74
5	91	82	76	72	89	81	76	71	80	75	71		78	74	70		76	73	70	68
6	86	77	71	66	85	76	70	66	74	69	65		73	68	65		72	68	65	63
7	82	72	66	61	80	71	65	61	70	64	61		69	64	60		67	63	60	58
8	77	67	61	57	76	67	61	57	66	60	56		65	60	56		64	59	56	54
9	73	63	57	53	72	63	57	53	62	56	52		61	56	52		60	55	52	51
10	70	59	53	49	68	59	53	49	58	53	49		57	52	49		57	52	49	47

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

	0°
0°	19063
5°	18582
10°	18089
15°	17750
20°	17290
25°	16675
30°	15300
35°	11734
40°	5583
45°	2124
50°	1036
55°	425
60°	105
65°	22
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P246300

CATALOG NUMBER: LSR8B10D010 EC8B10950 8LBW0B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.6	8.4
10°-20°	156.5	23.1
20°-30°	223.4	33.1
30°-40°	185.2	27.4
40°-50°	45.7	6.8
50°-60°	8.2	1.2
60°-70°	0.4	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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
<hr/>		
0°-30°	436.5	64.6
0°-40°	621.7	92.0
0°-60°	675.6	99.9
0°-90°	676.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	676.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	618	
5°	600	57
15°	556	156
25°	490	223
35°	312	185
45°	49	46
55°	8	8
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P246300

CATALOG NUMBER: LSR8B10D010 EC8B10950 8LBW0B

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	618.2
2.5°	613.0
5°	600.3
7.5°	588.0
10°	577.7
12.5°	567.7
15°	556.0
17.5°	542.3
20°	526.9
22.5°	509.4
25°	490.1
27.5°	464.1
30°	429.7
32.5°	381.3
35°	311.7
37.5°	225.2
40°	138.7
42.5°	80.7
45°	48.7
47.5°	32.3
50°	21.6
52.5°	14.1
55°	7.9
57.5°	3.8
60°	1.7
62.5°	0.7
65°	0.3
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)