

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: P246588

Luminaire Tested: **LSR8B10D010 EC8B10950 8LBW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246588  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-48)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B10D010 EC8B10950 8LBW0MW  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 5000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1066.0 lumens  
Efficiency: N/A  
Efficacy: 104.5 lumens/watt  
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.05  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

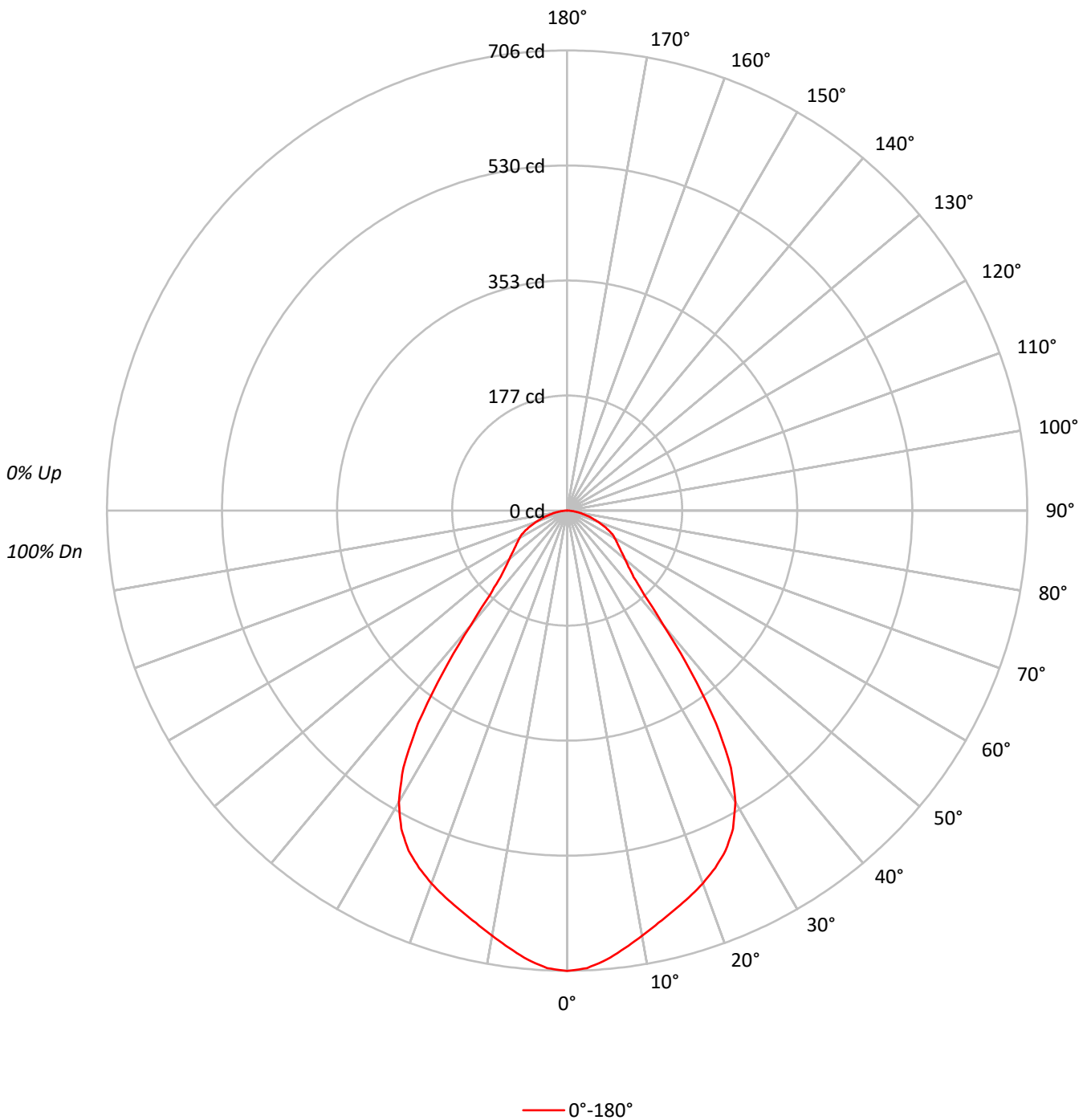
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P246588

CATALOG NUMBER: LSR8B10D010 EC8B10950 8LBW0MW

### Luminous Intensity Polar Plot





TEST NUMBER: P246588

CATALOG NUMBER: LSR8B10D010 EC8B10950 8LBW0MW

**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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51
7	74	62	55	49	72	61	54	49	60	54	49	59	53	49	57	52	48	47
8	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	48	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

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

	0°
0°	21780
5°	21414
10°	20738
15°	20259
20°	19971
25°	19581
30°	18384
35°	15005
40°	9295
45°	6297
50°	5546
55°	5236
60°	5193
65°	5035
70°	4508
75°	3908
80°	3303
85°	2618



TEST NUMBER: P246588

CATALOG NUMBER: LSR8B10D010 EC8B10950 8LBW0MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.1	6.1
10°-20°	179.2	16.8
20°-30°	262.9	24.7
30°-40°	240.3	22.5
40°-50°	119.0	11.2
50°-60°	88.0	8.3
60°-70°	67.6	6.3
70°-80°	35.2	3.3
80°-90°	8.8	0.8
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°	507.2	47.6
0°-40°	747.4	70.1
0°-60°	954.4	89.5
0°-90°	1066.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1066.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	706	
5°	692	65
15°	635	179
25°	576	263
35°	399	240
45°	144	119
55°	97	88
65°	69	68
75°	33	35
85°	7	9
90°	0	



TEST NUMBER: P246588

CATALOG NUMBER: LSR8B10D010 EC8B10950 8LBW0MW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	706.3
2.5°	702.6
5°	691.8
7.5°	677.2
10°	662.3
12.5°	647.8
15°	634.6
17.5°	622.1
20°	608.6
22.5°	593.4
25°	575.5
27.5°	550.8
30°	516.3
32.5°	467.9
35°	398.6
37.5°	312.7
40°	230.9
42.5°	174.8
45°	144.4
47.5°	127.8
50°	115.6
52.5°	105.8
55°	97.4
57.5°	90.3
60°	84.2
62.5°	77.8
65°	69.0
67.5°	59.5
70°	50.0
72.5°	41.2
75°	32.8
77.5°	25.4
80°	18.6
82.5°	12.8
85°	7.4
87.5°	2.7
90°	0.0

(END OF REPORT)