

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: P244932

Luminaire Tested: **LD8B10D010 ER8B10950 8LBS0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244932  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-14)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B10D010 ER8B10950 8LBS0WMH  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 5000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1118.0 lumens  
Efficiency: N/A  
Efficacy: 109.6 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.25  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

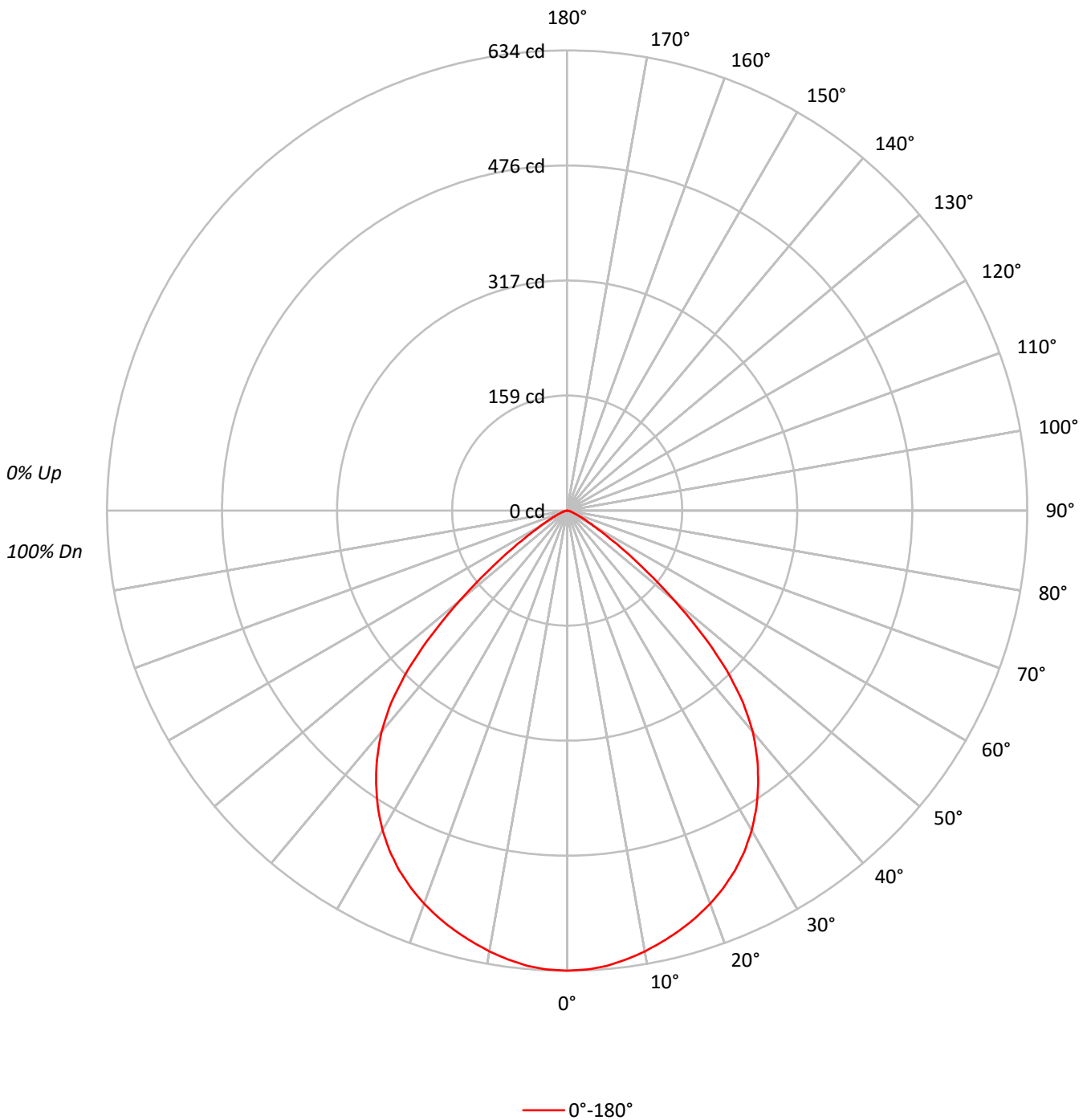
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P244932

CATALOG NUMBER: LD8B10D010 ER8B10950 8LBS0WMH

### Luminous Intensity Polar Plot





TEST NUMBER: P244932

CATALOG NUMBER: LD8B10D010 ER8B10950 8LBS0WMH

**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	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65
5	85	74	67	62	83	73	67	61	71	65	61	70	64	60	68	63	60	58
6	79	68	61	55	77	67	60	55	66	59	55	64	58	54	63	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	54	48	45	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

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

	0°
0°	19547
5°	19486
10°	19310
15°	19119
20°	18915
25°	18615
30°	18106
35°	17279
40°	16013
45°	13523
50°	9278
55°	5118
60°	2572
65°	1445
70°	784
75°	560
80°	355
85°	248



TEST NUMBER: P244932

CATALOG NUMBER: LD8B10D010 ER8B10950 8LBS0WMH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.7	5.3
10°-20°	168.9	15.1
20°-30°	251.5	22.5
30°-40°	285.7	25.6
40°-50°	233.5	20.9
50°-60°	91.5	8.2
60°-70°	21.3	1.9
70°-80°	5.1	0.5
80°-90°	0.8	0.1
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°	480.1	42.9
0°-40°	765.7	68.5
0°-60°	1090.8	97.6
0°-90°	1118.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1118.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	634	
5°	630	60
15°	599	169
25°	547	251
35°	459	286
45°	310	234
55°	95	92
65°	20	21
75°	5	5
85°	1	1
90°	0	



TEST NUMBER: P244932

CATALOG NUMBER: LD8B10D010 ER8B10950 8LBS0WMH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	633.9
2.5°	632.9
5°	629.5
7.5°	623.8
10°	616.7
12.5°	608.0
15°	598.9
17.5°	588.2
20°	576.4
22.5°	562.6
25°	547.1
27.5°	529.0
30°	508.5
32.5°	485.3
35°	459.0
37.5°	430.1
40°	397.8
42.5°	358.8
45°	310.1
47.5°	252.9
50°	193.4
52.5°	138.9
55°	95.2
57.5°	62.2
60°	41.7
62.5°	28.6
65°	19.8
67.5°	13.1
70°	8.7
72.5°	6.1
75°	4.7
77.5°	3.4
80°	2.0
82.5°	1.0
85°	0.7
87.5°	0.3
90°	0.0

(END OF REPORT)