

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: P247760

Luminaire Tested: **LD8B100D010 ER8B1009727 8LBS0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247760  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-88)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B100D010 ER8B1009727 8LBS0MW  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
97 CRI 2700 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8383.1 lumens  
Efficiency: N/A  
Efficacy: 78.9 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.24  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

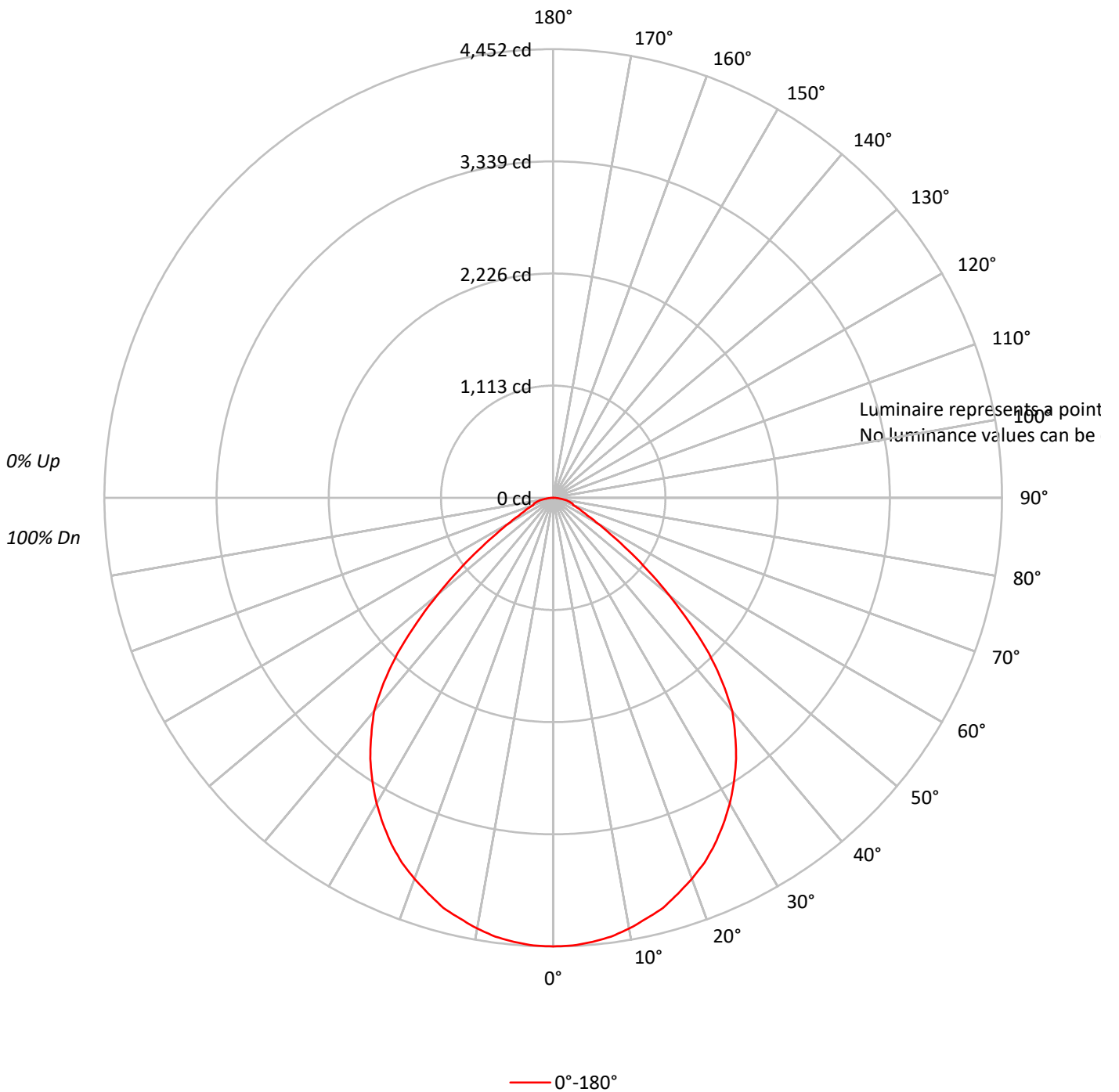
Input Watts (W): 106.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P247760

CATALOG NUMBER: LD8B100D010 ER8B1009727 8LBS0MW

### Luminous Intensity Polar Plot





TEST NUMBER: P247760

CATALOG NUMBER: LD8B100D010 ER8B1009727 8LBS0MW

**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	108	104	101	109	105	102	100	101	99	96	97	95	94	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	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	58	69	62	58	67	61	57	65	60	57	55
6	77	66	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37
10	60	47	40	36	58	47	40	35	46	40	35	45	39	35	44	39	35	33

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





TEST NUMBER: P247760

CATALOG NUMBER: LD8B100D010 ER8B1009727 8LBS0MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	419.8	5.0
10°-20°	1185.0	14.1
20°-30°	1743.4	20.8
30°-40°	1969.2	23.5
40°-50°	1658.4	19.8
50°-60°	836.7	10.0
60°-70°	327.8	3.9
70°-80°	185.1	2.2
80°-90°	57.6	0.7
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°	3348.2	39.9
0°-40°	5317.4	63.4
0°-60°	7812.6	93.2
0°-90°	8383.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8383.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4452	
5°	4423	420
15°	4213	1185
25°	3794	1743
35°	3163	1969
45°	2184	1658
55°	903	837
65°	318	328
75°	180	185
85°	52	58
90°	0	



TEST NUMBER: P247760

CATALOG NUMBER: LD8B100D010 ER8B1009727 8LBS0MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4451.5
2.5°	4446.9
5°	4423.4
7.5°	4392.7
10°	4340.2
12.5°	4275.0
15°	4212.6
17.5°	4117.6
20°	4022.6
22.5°	3919.5
25°	3793.7
27.5°	3651.6
30°	3503.3
32.5°	3336.8
35°	3163.1
37.5°	2964.0
40°	2762.3
42.5°	2487.2
45°	2184.1
47.5°	1836.7
50°	1492.9
52.5°	1182.5
55°	903.0
57.5°	680.4
60°	512.1
62.5°	390.9
65°	317.6
67.5°	258.8
70°	209.9
72.5°	202.7
75°	180.0
77.5°	150.2
80°	126.7
82.5°	80.5
85°	51.6
87.5°	16.3
90°	0.0

(END OF REPORT)