

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: P209508

Luminaire Tested: **LD8A10D010TE ER8A10930D2W 8LN0H**

Test Date: 09/30/16

**Test Information**

Test Method: LM-79-08  
Report Number: P209508  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-16-1119-1)  
Test Lab: INNOVATION CENTER(G1)  
Test Date: 09/30/16  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8A10D010TE ER8A10930D2W 8LN0H  
Description: 8 DIM TO WARM 1000Lm WITH NARROW DISTRIBUTION HAZE TRIM  
Light Source: (1) High Lumen 3000K 90 CRI LED  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1012.9 lumens  
Efficiency: N/A  
Efficacy: 74.5 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.72 / 0.81  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

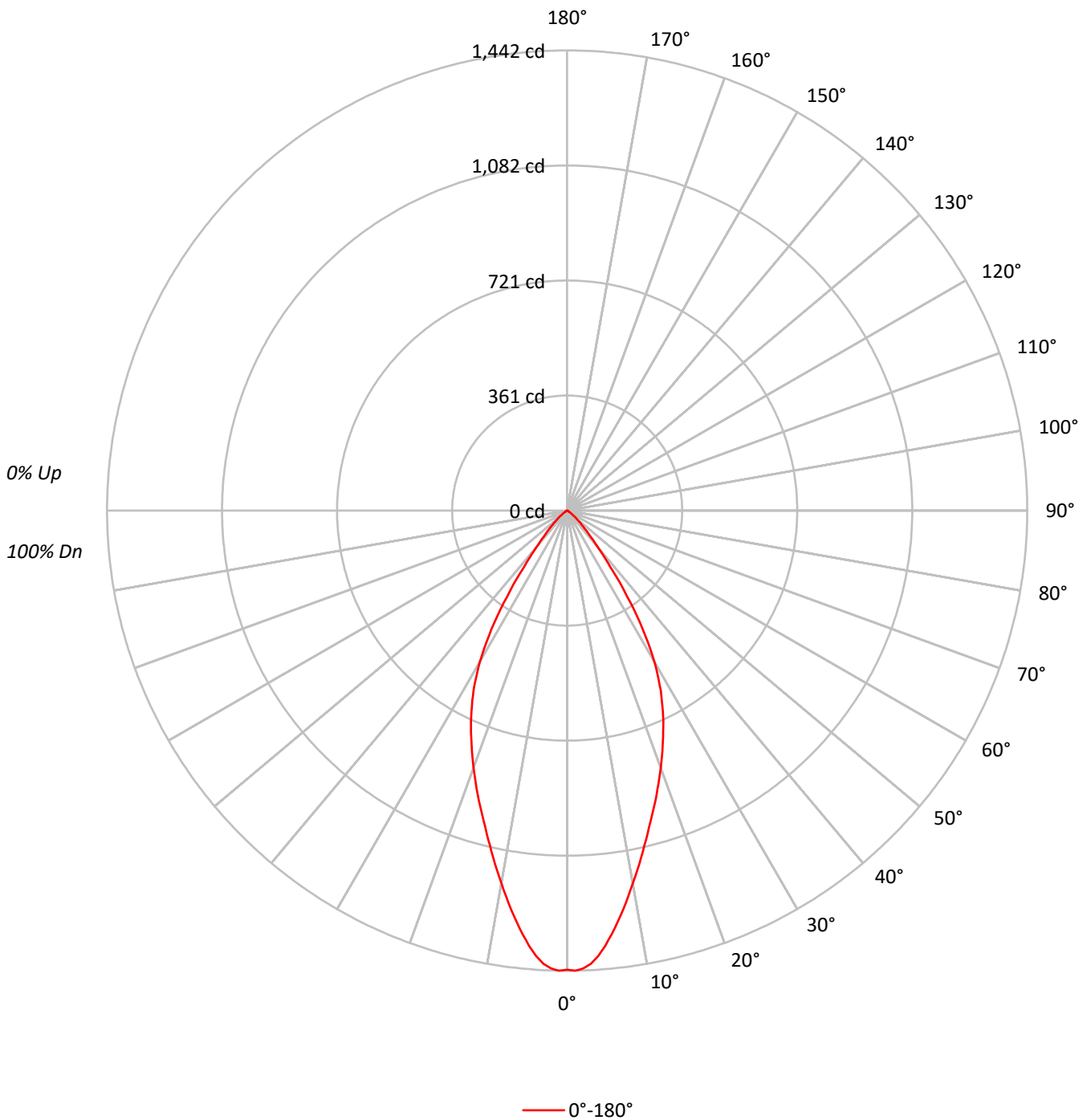
Input Watts (W): 13.6  
Input Voltage (V): 120.0  
Input Current (Ain): 0.115  
Voltage Rise (V): NR  
Power Factor: 0.9924  
Total Harmonic Distortion (THDi): 13.2%  
Frequency (hertz): 60  
Stabilization Time: 0.5 HR  
Operation Time: 24 HR  
Ambient Temperature (°C): 24.2  
Test Distance: 25 FT



TEST NUMBER: P209508

CATALOG NUMBER: LD8A10D010TE ER8A10930D2W 8LN0H

### Luminous Intensity Polar Plot





TEST NUMBER: P209508

CATALOG NUMBER: LD8A10D010TE ER8A10930D2W 8LN0H

**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	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	96	92	88	101	95	91	87	92	89	86	90	87	84	88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	77	76
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	72	71
6	88	79	74	69	87	79	73	69	77	72	69	76	72	68	75	71	68	66
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62
8	80	71	65	61	79	70	64	61	69	64	60	68	63	60	67	63	60	58
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	59	56	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52

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

	0°
0°	44373
5°	42376
10°	37136
15°	32211
20°	28156
25°	24225
30°	19477
35°	12310
40°	5958
45°	3096
50°	1583
55°	753
60°	370
65°	219
70°	90
75°	119
80°	0
85°	0



TEST NUMBER: P209508

CATALOG NUMBER: LD8A10D010TE ER8A10930D2W 8LN0H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.5	12.3
10°-20°	282.6	27.9
20°-30°	323.7	32.0
30°-40°	205.1	20.3
40°-50°	59.1	5.8
50°-60°	14.0	1.4
60°-70°	3.1	0.3
70°-80°	0.7	0.1
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
0°-30°	730.9	72.2
0°-40°	936.0	92.4
0°-60°	1009.2	99.6
0°-90°	1012.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1012.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1439	
5°	1369	125
15°	1009	283
25°	712	324
35°	327	205
45°	71	59
55°	14	14
65°	3	3
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P209508

CATALOG NUMBER: LD8A10D010TE ER8A10930D2W 8LN0H

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1439
1°	1442
2°	1436
3°	1422
4°	1399
5°	1369
6°	1335
7°	1299
8°	1262
9°	1224
10°	1186
11°	1149
12°	1113
13°	1077
14°	1042
15°	1009
17.5°	932
20°	858
22.5°	784
25°	712
27.5°	635
30°	547
32.5°	442
35°	327
37.5°	222
40°	148
42.5°	101
45°	71
47.5°	49
50°	33
52.5°	21
55°	14
57.5°	9
60°	6
62.5°	4
65°	3
67.5°	2
70°	1
72.5°	1
75°	1
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0



TEST NUMBER: P209508

CATALOG NUMBER: LD8A10D010TE ER8A10930D2W 8LN0H

CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0}$

(END OF REPORT)