

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: P209511

Luminaire Tested: **LD8A15D010TE ER8A15930D2W 8LN0H**

Test Date: 10/01/16

Test Information

Test Method: LM-79-08
Report Number: P209511
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-16-1119-4)
Test Lab: INNOVATION CENTER(G1)
Test Date: 10/01/16
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8A15D010TE ER8A15930D2W 8LN0H
Description: 8 DIM TO WARM 1500lm WITH NARROW DISTRIBUTION HAZE TRIM
Light Source: (1) High Lumen 3000K 90 CRI LED
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1471.8 lumens
Efficiency: N/A
Efficacy: 66.0 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

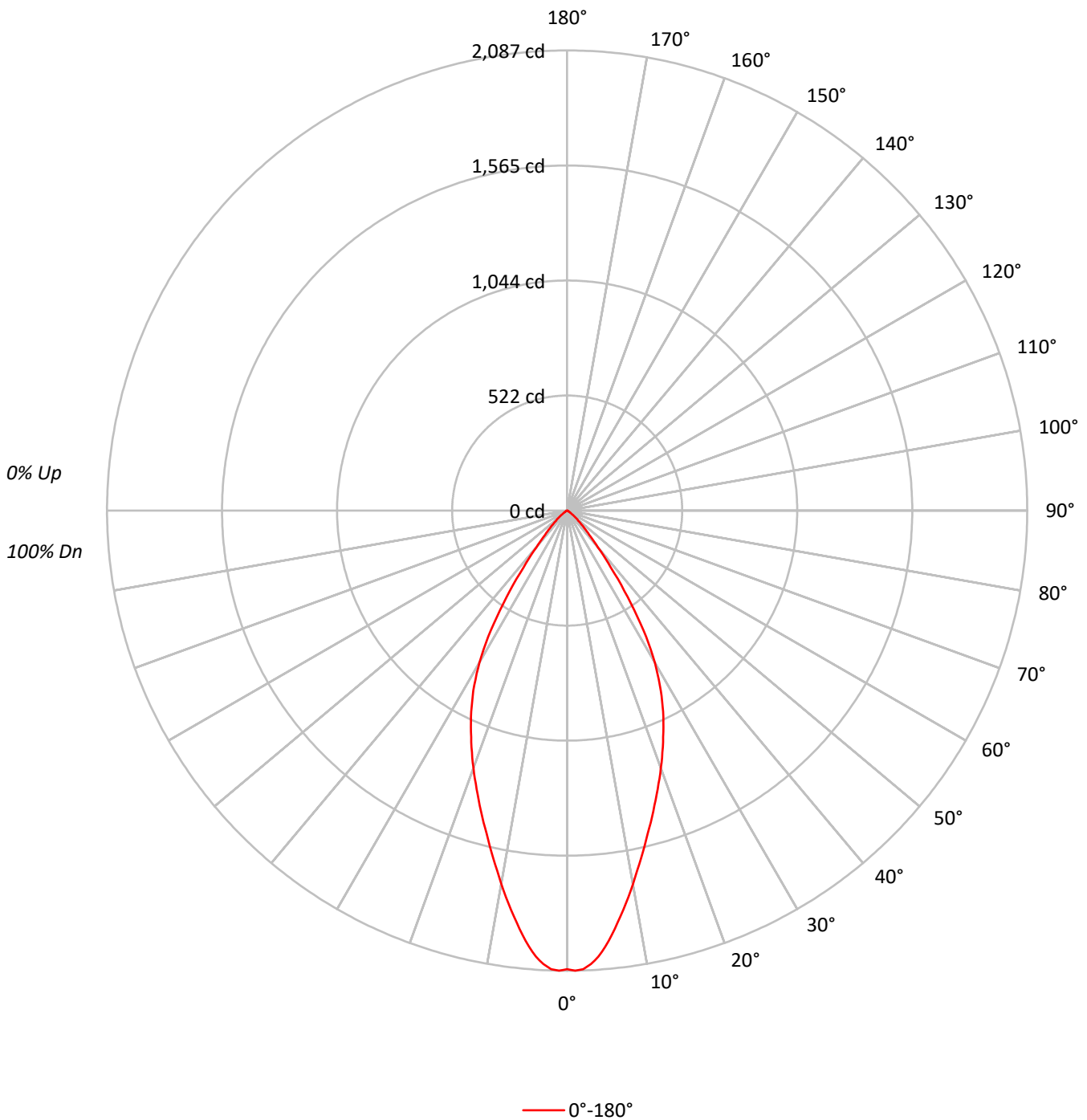
Input Watts (W): 22.3
Input Voltage (V): 120.0
Input Current (Ain): 0.191
Voltage Rise (V): NR
Power Factor: 0.9811
Total Harmonic Distortion (THDi): 12.8%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 24 HR
Ambient Temperature (°C): 24.5
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	91	88	101	95	91	87	92	89	85	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	71	68	74	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	64	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°	64140
5°	61444
10°	53825
15°	46737
20°	40789
25°	35113
30°	28343
35°	17994
40°	8735
45°	4492
50°	2303
55°	1075
60°	555
65°	292
70°	180
75°	119
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.5	12.3
10°-20°	409.5	27.8
20°-30°	469.5	31.9
30°-40°	299.6	20.4
40°-50°	86.5	5.9
50°-60°	20.7	1.4
60°-70°	4.5	0.3
70°-80°	1.1	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°	1059.5	72.0
0°-40°	1359.0	92.3
0°-60°	1466.2	99.6
0°-90°	1471.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1471.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2080	
5°	1985	181
15°	1464	410
25°	1032	469
35°	478	300
45°	103	86
55°	20	21
65°	4	5
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2080
1°	2087
2°	2081
3°	2060
4°	2028
5°	1985
6°	1936
7°	1882
8°	1829
9°	1775
10°	1719
11°	1663
12°	1613
13°	1561
14°	1510
15°	1464
17.5°	1349
20°	1243
22.5°	1136
25°	1032
27.5°	921
30°	796
32.5°	645
35°	478
37.5°	325
40°	217
42.5°	148
45°	103
47.5°	72
50°	48
52.5°	31
55°	20
57.5°	14
60°	9
62.5°	6
65°	4
67.5°	3
70°	2
72.5°	1
75°	1
77.5°	1
80°	0
82.5°	0
85°	0
87.5°	0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)