

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: P209512

Luminaire Tested: **LD8A15D010TE ER8A15930D2W 8LM0H**

Test Date: 10/01/16

Test Information

Test Method: LM-79-08
Report Number: P209512
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-16-1119-5)
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 8LM0H
Description: 8 DIM TO WARM 1500lm WITH MEDIUM DISTRIBUTION HAZE TRIM
Light Source: (1) High Lumen 3000K 90 CRI LED
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1652.5 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.96
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

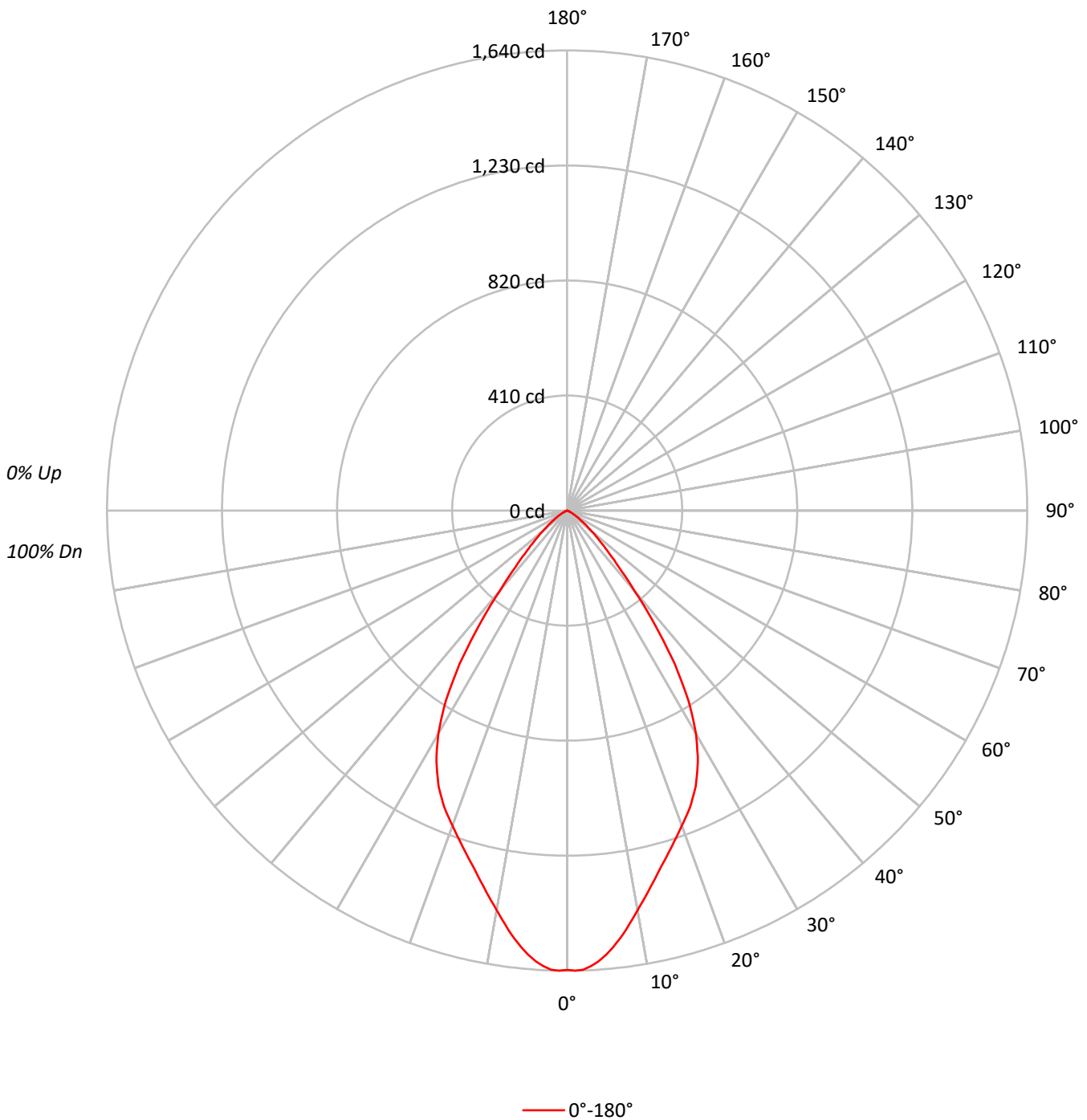
Input Watts (W): 22.3
Input Voltage (V): 120.0
Input Current (Ain): 0.191
Voltage Rise (V): NR
Power Factor: 0.9808
Total Harmonic Distortion (THDi): 12.9%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 24 HR
Ambient Temperature (°C): 24.3
Test Distance: 25 FT



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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	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85
3	101	94	89	84	99	93	88	84	90	86	82	87	84	81	85	82	80	78
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72
5	90	81	74	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	63	61
7	80	70	64	59	79	70	63	59	68	63	59	67	62	58	66	61	58	57
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	49
10	68	58	52	48	67	57	52	47	57	51	47	56	51	47	55	50	47	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	50479
5°	49186
10°	45277
15°	41725
20°	39214
25°	36882
30°	32723
35°	25184
40°	15135
45°	8765
50°	5373
55°	3118
60°	1665
65°	876
70°	451
75°	238
80°	178
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.9	8.9
10°-20°	368.3	22.3
20°-30°	493.2	29.8
30°-40°	407.2	24.6
40°-50°	165.4	10.0
50°-60°	55.5	3.4
60°-70°	13.3	0.8
70°-80°	2.4	0.1
80°-90°	0.4	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°	1008.4	61.0
0°-40°	1415.7	85.7
0°-60°	1636.5	99.0
0°-90°	1652.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1652.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1637	
5°	1589	147
15°	1307	368
25°	1084	493
35°	669	407
45°	201	165
55°	58	55
65°	12	13
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1637
1°	1640
2°	1637
3°	1626
4°	1610
5°	1589
6°	1565
7°	1538
8°	1508
9°	1477
10°	1446
11°	1417
12°	1388
13°	1360
14°	1333
15°	1307
17.5°	1249
20°	1195
22.5°	1144
25°	1084
27.5°	1009
30°	919
32.5°	805
35°	669
37.5°	515
40°	376
42.5°	272
45°	201
47.5°	151
50°	112
52.5°	82
55°	58
57.5°	41
60°	27
62.5°	18
65°	12
67.5°	8
70°	5
72.5°	3
75°	2
77.5°	1
80°	1
82.5°	1
85°	0
87.5°	0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)