

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: P209513

Luminaire Tested: **LD8A15D010TE ER8A15930D2W 8LW0H**

Test Date: 10/01/16

**Test Information**

Test Method: LM-79-08  
Report Number: P209513  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-16-1119-6)  
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 8LW0H  
Description: 8 DIM TO WARM 1500LM WITH WIDE DISTRIBUTION HAZE TRIM  
Light Source: (1) High Lumen 3000K 90 CRI LED  
Ballast/Driver: -

**Summary**

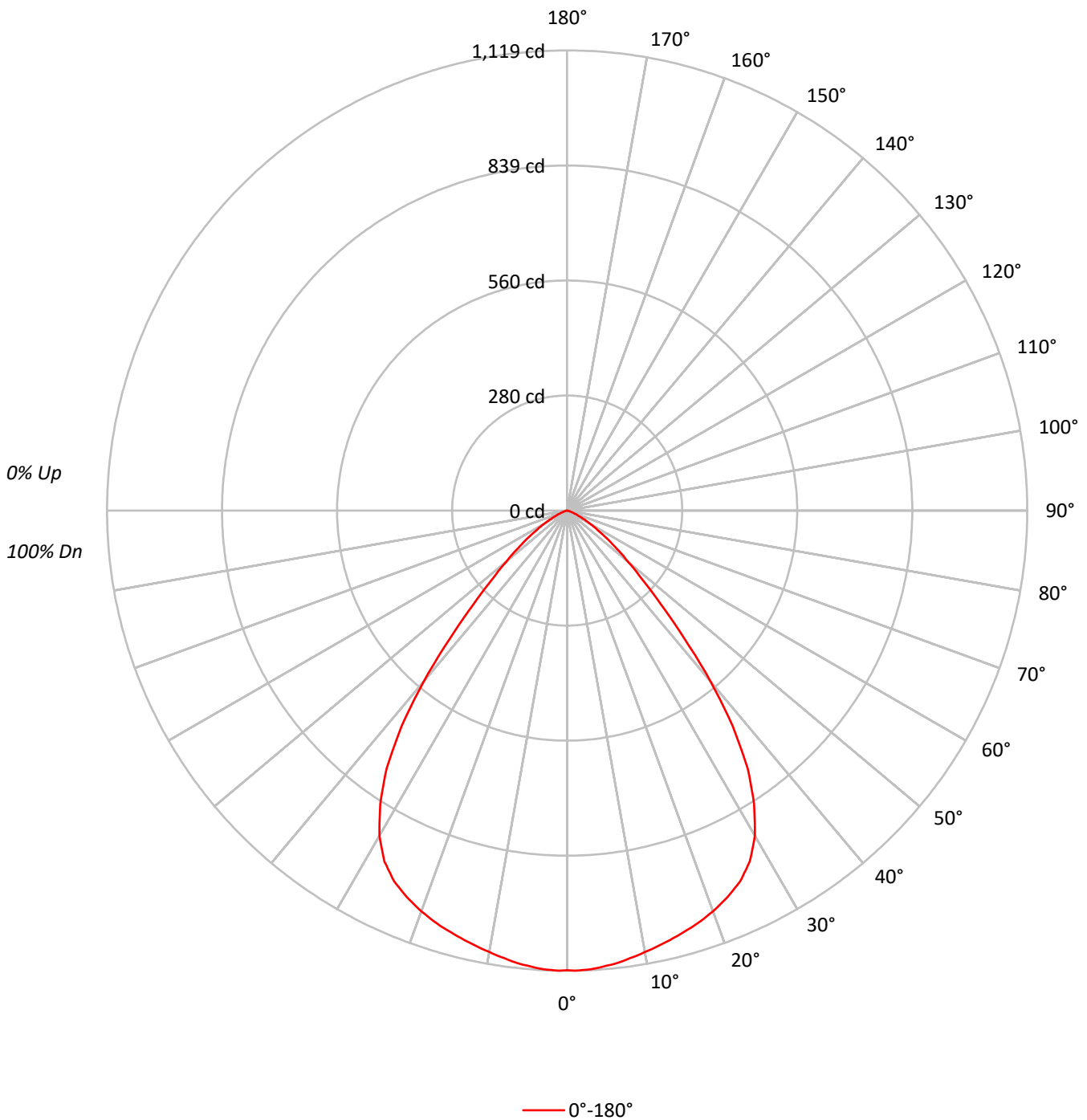
Lumens per Lamp: N/A  
Luminaire Lumens: 1737.0 lumens  
Efficiency: N/A  
Efficacy: 77.9 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.14  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 22.3  
Input Voltage (V): 120.0  
Input Current (Ain): 0.191  
Voltage Rise (V): NR  
Power Factor: 0.9807  
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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50
8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	56	52	48	46
9	67	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43
10	64	52	46	41	63	52	45	41	51	45	41	50	45	41	49	44	41	39

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

	0°
0°	34475
5°	34390
10°	34130
15°	34031
20°	34029
25°	33854
30°	32509
35°	28798
40°	21858
45°	13999
50°	9259
55°	6290
60°	4070
65°	2335
70°	1172
75°	596
80°	355
85°	354



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.4	6.1
10°-20°	301.2	17.3
20°-30°	455.5	26.2
30°-40°	466.6	26.9
40°-50°	259.0	14.9
50°-60°	107.8	6.2
60°-70°	34.5	2.0
70°-80°	6.2	0.4
80°-90°	0.8	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°	862.1	49.6
0°-40°	1328.7	76.5
0°-60°	1695.5	97.6
0°-90°	1737.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1737.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1118	
5°	1111	105
15°	1066	301
25°	995	455
35°	765	467
45°	321	259
55°	117	108
65°	32	35
75°	5	6
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1118
1°	1119
2°	1118
3°	1117
4°	1114
5°	1111
6°	1108
7°	1104
8°	1099
9°	1095
10°	1090
11°	1086
12°	1081
13°	1076
14°	1071
15°	1066
17.5°	1053
20°	1037
22.5°	1018
25°	995
27.5°	962
30°	913
32.5°	846
35°	765
37.5°	661
40°	543
42.5°	421
45°	321
47.5°	247
50°	193
52.5°	151
55°	117
57.5°	88
60°	66
62.5°	48
65°	32
67.5°	21
70°	13
72.5°	8
75°	5
77.5°	3
80°	2
82.5°	1
85°	1
87.5°	0



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0}$

(END OF REPORT)