

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: P209510

Luminaire Tested: **LD8A10D010TE ER8A10930D2W 8LW0H**

Test Date: 10/01/16

**Test Information**

Test Method: LM-79-08  
Report Number: P209510  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-16-1119-3)  
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: LD8A10D010TE ER8A10930D2W 8LW0H  
Description: 8 DIM TO WARM 1000Lm WITH WIDE DISTRIBUTION HAZE TRIM  
Light Source: (1) High Lumen 3000K 90 CRI LED  
Ballast/Driver: -

**Summary**

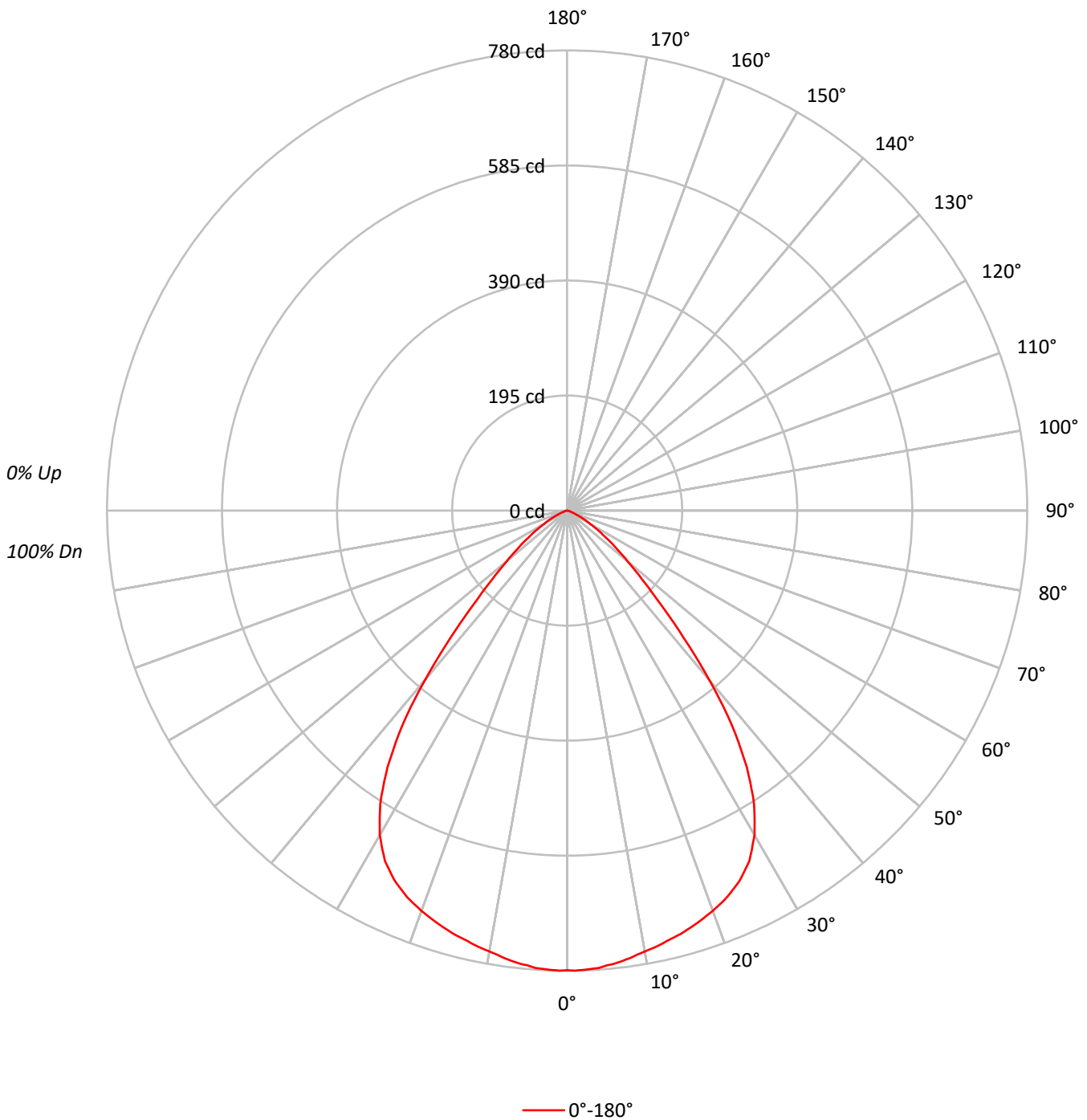
Lumens per Lamp: N/A  
Luminaire Lumens: 1207.1 lumens  
Efficiency: N/A  
Efficacy: 88.8 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.14  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 13.6  
Input Voltage (V): 120.0  
Input Current (Ain): 0.115  
Voltage Rise (V): NR  
Power Factor: 0.9922  
Total Harmonic Distortion (THDi): 13.2%  
Frequency (hertz): 60  
Stabilization Time: 0.5 HR  
Operation Time: 24 HR  
Ambient Temperature (°C): 24.4  
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	81	77	82	79	76	74
4	92	83	77	72	91	82	76	71	80	75	71	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	61	53	49	70	60	53	49	59	53	48	58	52	48	57	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	46	41	51	45	41	50	45	41	49	44	41	39

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

	0°
0°	24021
5°	23958
10°	23766
15°	23720
20°	23693
25°	23545
30°	22610
35°	19989
40°	15095
45°	9681
50°	6428
55°	4355
60°	2775
65°	1605
70°	811
75°	477
80°	178
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.4	6.1
10°-20°	209.8	17.4
20°-30°	316.9	26.3
30°-40°	324.3	26.9
40°-50°	179.3	14.9
50°-60°	74.7	6.2
60°-70°	23.8	2.0
70°-80°	4.5	0.4
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°	600.1	49.7
0°-40°	924.3	76.6
0°-60°	1178.4	97.6
0°-90°	1207.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1207.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	779	
5°	774	73
15°	743	210
25°	692	317
35°	531	324
45°	222	179
55°	81	75
65°	22	24
75°	4	4
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	779
1°	780
2°	779
3°	778
4°	777
5°	774
6°	772
7°	769
8°	766
9°	762
10°	759
11°	756
12°	753
13°	749
14°	746
15°	743
17.5°	733
20°	722
22.5°	709
25°	692
27.5°	669
30°	635
32.5°	590
35°	531
37.5°	459
40°	375
42.5°	292
45°	222
47.5°	171
50°	134
52.5°	105
55°	81
57.5°	61
60°	45
62.5°	34
65°	22
67.5°	14
70°	9
72.5°	6
75°	4
77.5°	2
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)