

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: P209516

Luminaire Tested: **LD8A20D010TE ER8A20930D2W 8LW0H**

Test Date: 10/02/16

**Test Information**

Test Method: LM-79-08  
Report Number: P209516  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-16-1119-9)  
Test Lab: INNOVATION CENTER(G1)  
Test Date: 10/02/16  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8A20D010TE ER8A20930D2W 8LW0H  
Description: 8 DIM TO WARM 2000Lm WITH WIDE DISTRIBUTION HAZE TRIM  
Light Source: (1) High Lumen 3000K 90 CRI LED  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1885.0 lumens  
Efficiency: N/A  
Efficacy: 78.9 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

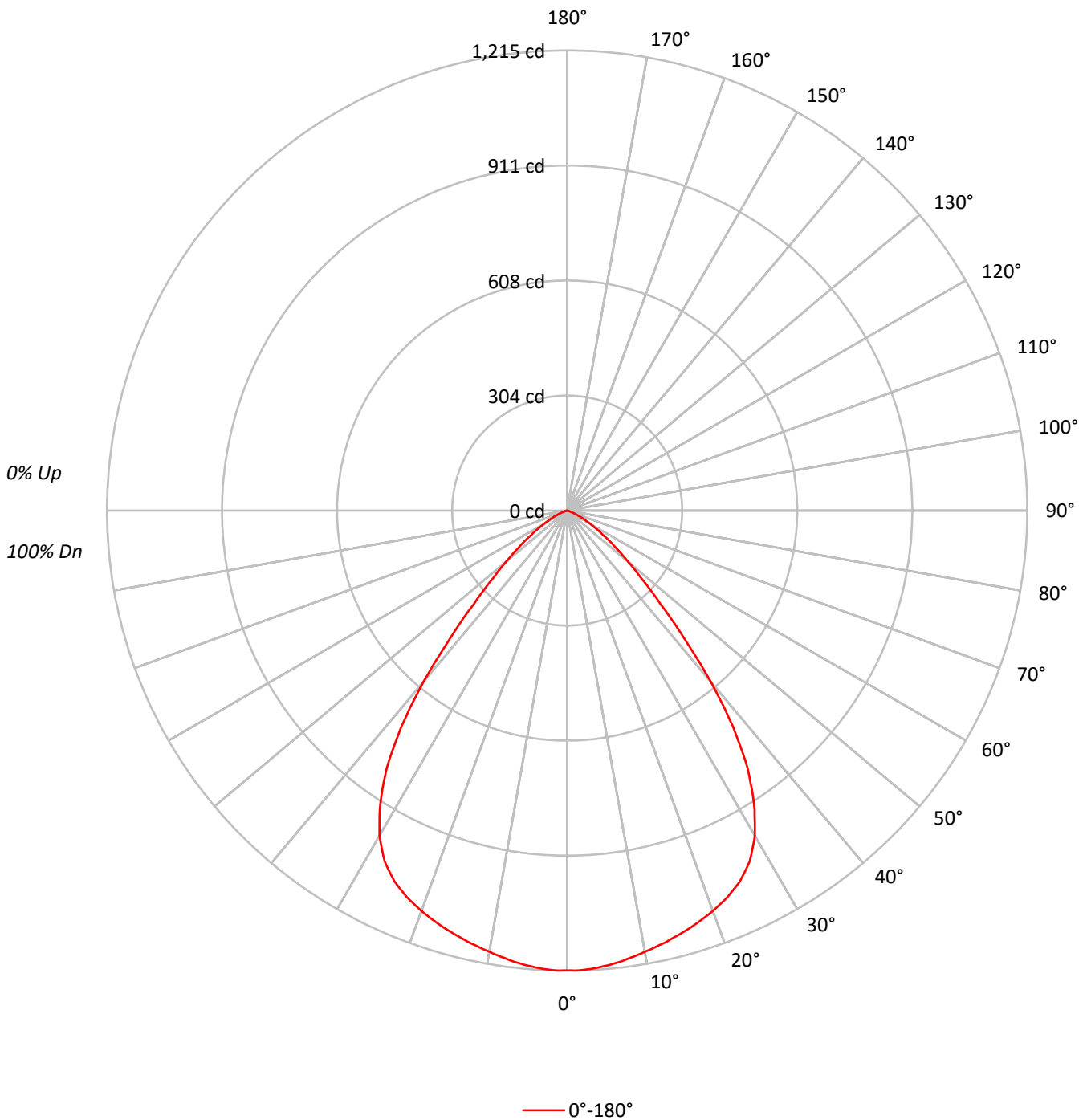
Input Watts (W): 23.9  
Input Voltage (V): 120.1  
Input Current (Ain): 0.203  
Voltage Rise (V): NR  
Power Factor: 0.9868  
Total Harmonic Distortion (THDi): 11.5%  
Frequency (hertz): 60  
Stabilization Time: 0.5 HR  
Operation Time: 24 HR  
Ambient Temperature (°C): 24.5  
Test Distance: 25 FT



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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	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	46	41	51	45	41	50	45	41	49	44	41	39

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

	0°
0°	37435
5°	37331
10°	37042
15°	36936
20°	36917
25°	36746
30°	35286
35°	31282
40°	23710
45°	15176
50°	10074
55°	6774
60°	4379
65°	2554
70°	1262
75°	715
80°	355
85°	354



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.4	6.1
10°-20°	326.8	17.3
20°-30°	494.3	26.2
30°-40°	506.9	26.9
40°-50°	281.1	14.9
50°-60°	116.7	6.2
60°-70°	37.2	2.0
70°-80°	6.8	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°	935.5	49.6
0°-40°	1442.4	76.5
0°-60°	1840.2	97.6
0°-90°	1885.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1885.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1214	
5°	1206	114
15°	1157	327
25°	1080	494
35°	831	507
45°	348	281
55°	126	117
65°	35	37
75°	6	7
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1214
1°	1215
2°	1214
3°	1212
4°	1209
5°	1206
6°	1202
7°	1198
8°	1193
9°	1188
10°	1183
11°	1178
12°	1173
13°	1168
14°	1162
15°	1157
17.5°	1142
20°	1125
22.5°	1105
25°	1080
27.5°	1044
30°	991
32.5°	919
35°	831
37.5°	719
40°	589
42.5°	457
45°	348
47.5°	268
50°	210
52.5°	164
55°	126
57.5°	95
60°	71
62.5°	52
65°	35
67.5°	22
70°	14
72.5°	9
75°	6
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)