

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: P209514

Luminaire Tested: **LD8A20D010TE ER8A20930D2W 8LN0H**

Test Date: 10/01/16

Test Information

Test Method: LM-79-08
Report Number: P209514
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-16-1119-7)
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: LD8A20D010TE ER8A20930D2W 8LN0H
Description: 8 DIM TO WARM 2000Lm WITH NARROW DISTRIBUTION HAZE TRIM
Light Source: (1) High Lumen 3000K 90 CRI LED
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1596.5 lumens
Efficiency: N/A
Efficacy: 66.8 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.72 / 0.82
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

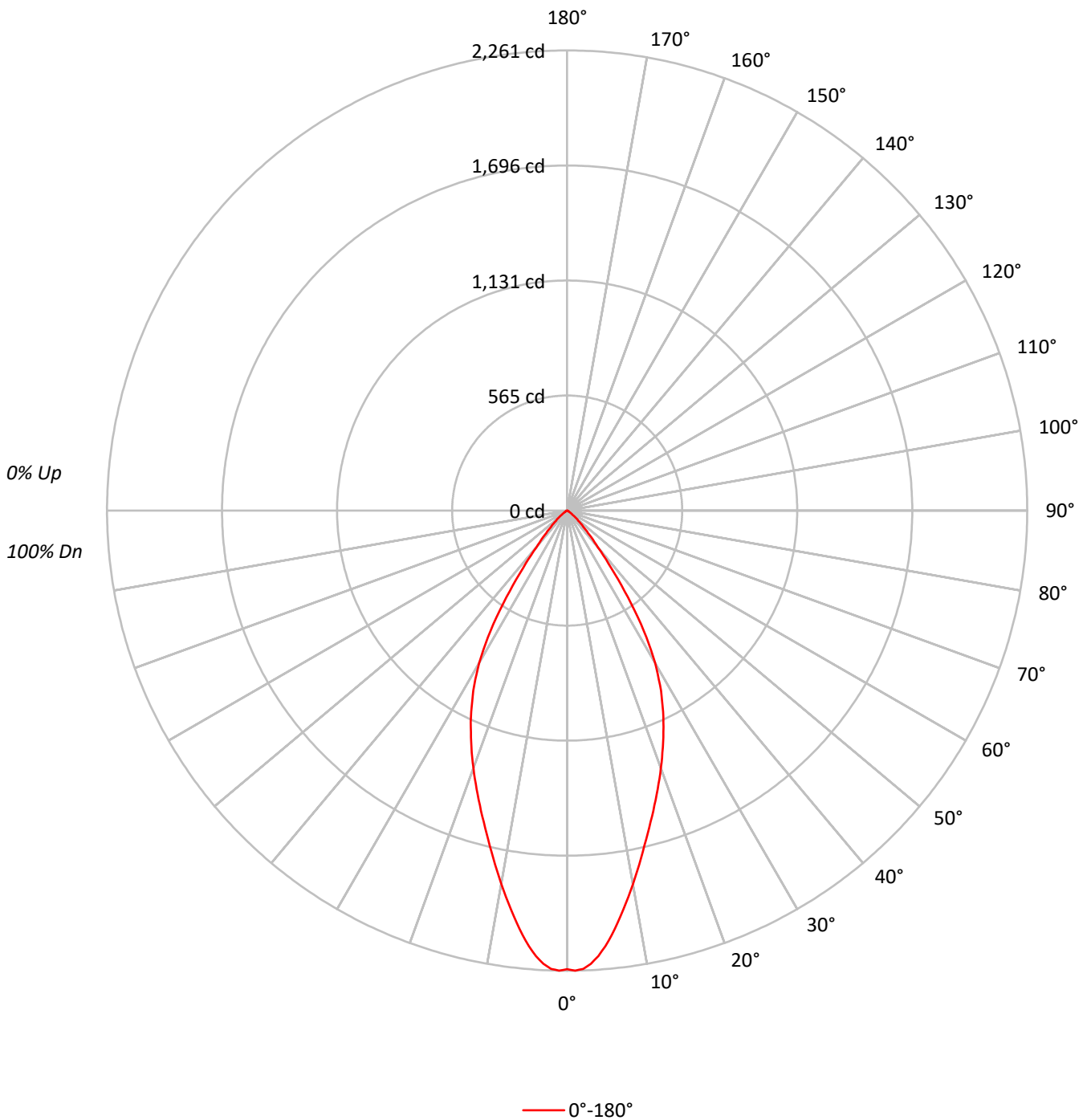
Input Watts (W): 23.9
Input Voltage (V): 120.1
Input Current (Ain): 0.202
Voltage Rise (V): NR
Power Factor: 0.9874
Total Harmonic Distortion (THDi): 11.3%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 24 HR
Ambient Temperature (°C): 24.3
Test Distance: 25 FT



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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	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	90	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	68	65	73	68	64	72	67	64	71	67	63	62
8	80	71	65	61	79	70	64	60	69	64	60	68	63	60	67	63	60	58
9	76	67	61	57	75	66	61	57	65	60	57	64	60	56	64	59	56	55
10	73	63	57	54	72	63	57	54	62	57	53	61	57	53	60	56	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	69474
5°	66520
10°	58334
15°	50568
20°	44202
25°	38073
30°	30764
35°	19575
40°	9460
45°	4884
50°	2495
55°	1183
60°	617
65°	365
70°	180
75°	119
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.5	12.2
10°-20°	443.5	27.8
20°-30°	509.0	31.9
30°-40°	325.8	20.4
40°-50°	93.9	5.9
50°-60°	22.3	1.4
60°-70°	5.2	0.3
70°-80°	1.3	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°	1148.0	71.9
0°-40°	1473.8	92.3
0°-60°	1590.0	99.6
0°-90°	1596.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1596.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2253	
5°	2149	195
15°	1584	444
25°	1119	509
35°	520	326
45°	112	94
55°	22	22
65°	5	5
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2253
1°	2261
2°	2253
3°	2230
4°	2195
5°	2149
6°	2097
7°	2040
8°	1980
9°	1921
10°	1863
11°	1804
12°	1746
13°	1689
14°	1635
15°	1584
17.5°	1462
20°	1347
22.5°	1232
25°	1119
27.5°	998
30°	864
32.5°	702
35°	520
37.5°	354
40°	235
42.5°	161
45°	112
47.5°	78
50°	52
52.5°	33
55°	22
57.5°	15
60°	10
62.5°	7
65°	5
67.5°	3
70°	2
72.5°	2
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)