

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: P209515

Luminaire Tested: **LD8A20D010TE ER8A20930D2W 8LM0H**

Test Date: 10/01/16

Test Information

Test Method: LM-79-08
Report Number: P209515
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-16-1119-8)
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 8LM0H
Description: 8 DIM TO WARM 2000Lm WITH MEDIUM DISTRIBUTION HAZE TRIM
Light Source: (1) High Lumen 3000K 90 CRI LED
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1784.5 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

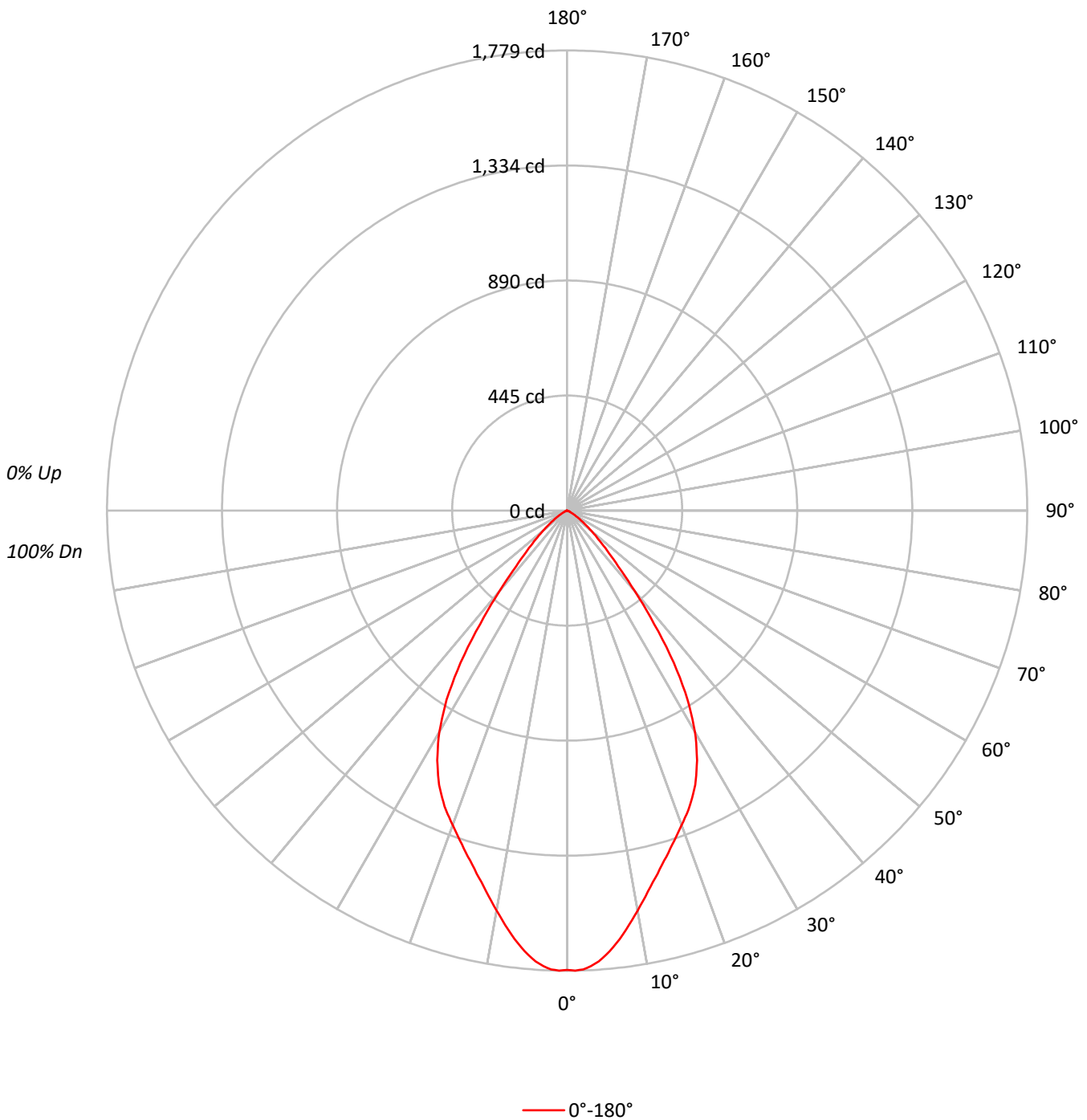
Input Watts (W): 23.9
Input Voltage (V): 120.1
Input Current (Ain): 0.202
Voltage Rise (V): NR
Power Factor: 0.9873
Total Harmonic Distortion (THDi): 11.3%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 24 HR
Ambient Temperature (°C): 24.3
Test Distance: 25 FT



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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	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	77	93	86	80	76	84	79	75	82	78	74	80	76	73	72
5	90	81	75	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	68	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	55	63	58	54	62	57	54	53
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	58	52	48	57	51	47	56	51	47	55	50	47	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	54765
5°	53365
10°	49160
15°	45236
20°	42463
25°	39842
30°	35215
35°	27066
40°	16303
45°	9463
50°	5805
55°	3387
60°	1789
65°	949
70°	541
75°	238
80°	178
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.5	8.9
10°-20°	399.2	22.4
20°-30°	532.6	29.8
30°-40°	438.0	24.5
40°-50°	178.1	10.0
50°-60°	59.8	3.3
60°-70°	14.1	0.8
70°-80°	3.0	0.2
80°-90°	0.1	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°	1091.3	61.2
0°-40°	1529.3	85.7
0°-60°	1767.2	99.0
0°-90°	1784.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1784.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1776	
5°	1724	159
15°	1417	399
25°	1171	533
35°	719	438
45°	217	178
55°	63	60
65°	13	14
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1776
1°	1779
2°	1775
3°	1764
4°	1747
5°	1724
6°	1698
7°	1669
8°	1636
9°	1603
10°	1570
11°	1537
12°	1505
13°	1474
14°	1446
15°	1417
17.5°	1353
20°	1294
22.5°	1238
25°	1171
27.5°	1088
30°	989
32.5°	867
35°	719
37.5°	553
40°	405
42.5°	292
45°	217
47.5°	163
50°	121
52.5°	88
55°	63
57.5°	44
60°	29
62.5°	19
65°	13
67.5°	8
70°	6
72.5°	4
75°	2
77.5°	2
80°	1
82.5°	0
85°	0
87.5°	0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)