

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P136122

Luminaire Tested: **LD6A10D010TE ERW6A10835 6LW1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P136122
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23374)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6A10D010TE ERW6A10835 6LW1H
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 3500K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1158.0 lumens
Efficiency: N/A
Efficacy: 82.7 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.09
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

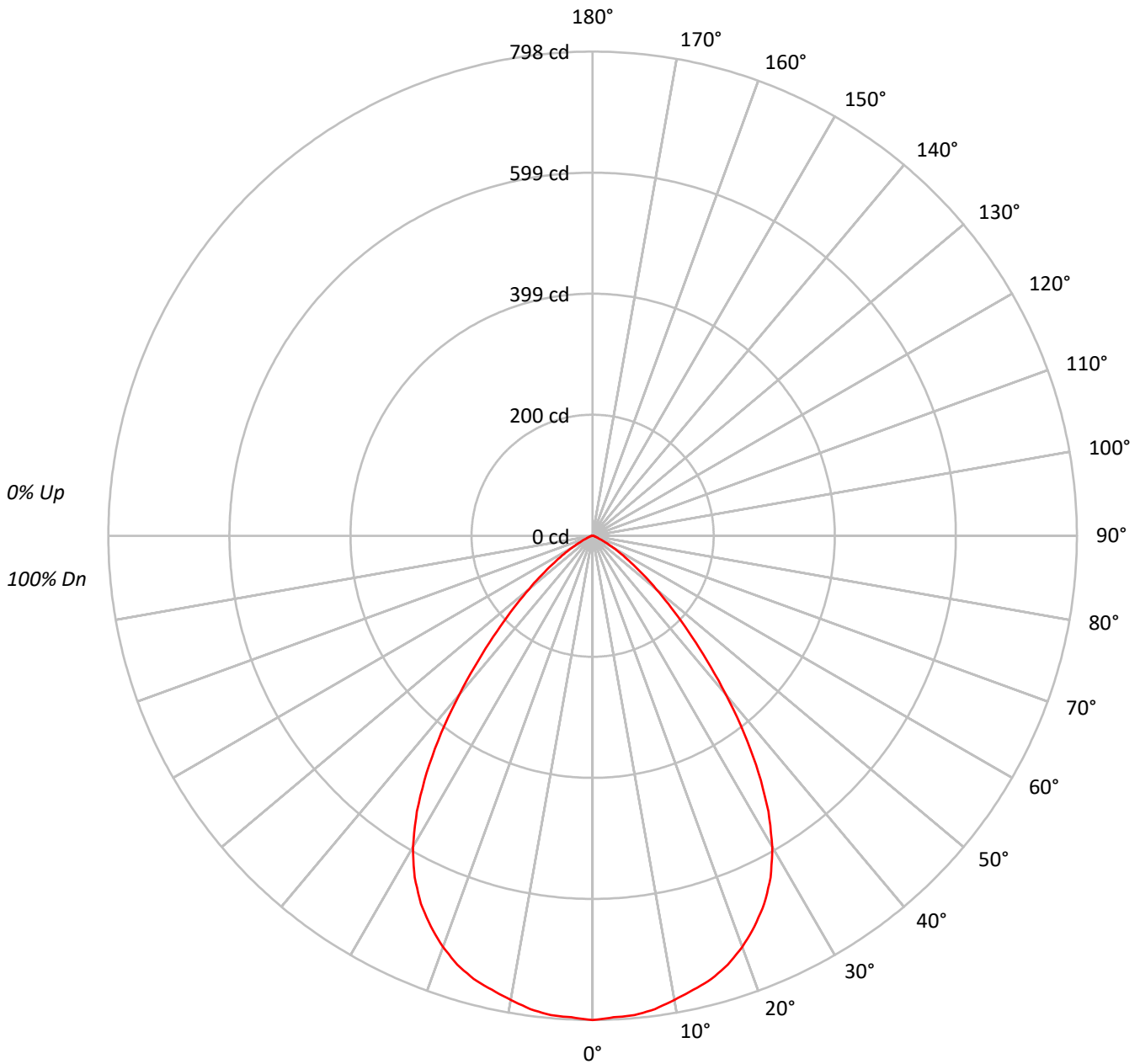
Input Watts (W): 14
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P136122

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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	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	105	102	103	101	99	99	98	96	96	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83			
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75			
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68			
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	61			
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	58	56			
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51			
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49	47			
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	49	45	43			
10	64	53	46	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	52075
5°	51940
10°	51454
15°	51089
20°	50057
25°	48165
30°	44597
35°	37982
40°	29084
45°	20538
50°	13864
55°	8781
60°	5115
65°	2346
70°	1450
75°	958
80°	488
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.2	6.5
10°-20°	212.7	18.4
20°-30°	305.8	26.4
30°-40°	294.1	25.4
40°-50°	175.1	15.1
50°-60°	72.2	6.2
60°-70°	18.2	1.6
70°-80°	4.2	0.4
80°-90°	0.5	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°	593.7	51.3
0°-40°	887.8	76.7
0°-60°	1135.2	98.0
0°-90°	1158.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1158.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	798	
5°	793	75
15°	756	213
25°	669	306
35°	477	294
45°	223	175
55°	77	72
65°	15	18
75°	4	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	798.2
2.5°	794.4
5°	793.1
7.5°	786.8
10°	776.7
12.5°	766.5
15°	756.4
17.5°	741.2
20°	721.0
22.5°	697.0
25°	669.1
27.5°	635.0
30°	592.0
32.5°	538.9
35°	476.9
37.5°	409.8
40°	341.5
42.5°	278.3
45°	222.6
47.5°	175.8
50°	136.6
52.5°	105.0
55°	77.2
57.5°	55.7
60°	39.2
62.5°	25.3
65°	15.2
67.5°	10.1
70°	7.6
72.5°	5.1
75°	3.8
77.5°	2.5
80°	1.3
82.5°	1.3
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)