

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: P136158

Luminaire Tested: **LD6A15D010TE ERW6A15935 6LW1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P136158
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: LD6A15D010TE ERW6A15935 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: 1421.1 lumens
Efficiency: N/A
Efficacy: 62.9 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

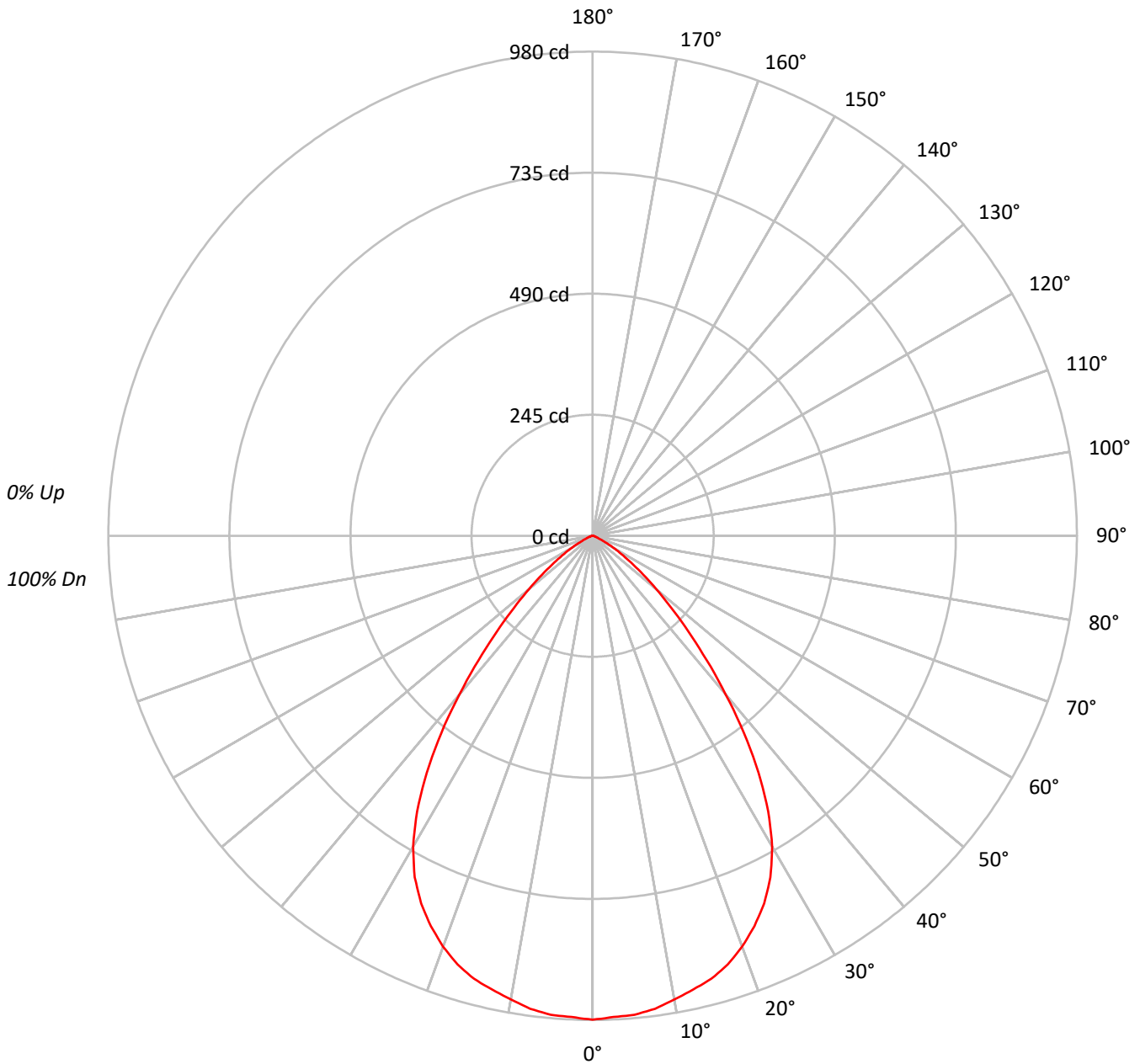
Input Watts (W): 22.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			100
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83			83
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75			75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68			68
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	61			61
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	58	56			56
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51			51
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49	47			47
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	49	45	43			43
10	64	53	46	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40			40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	63903
5°	63741
10°	63140
15°	62699
20°	61430
25°	59114
30°	54730
35°	46608
40°	35693
45°	25207
50°	17011
55°	10772
60°	6276
65°	2871
70°	1774
75°	1185
80°	601
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.2	6.5
10°-20°	261.1	18.4
20°-30°	375.3	26.4
30°-40°	360.9	25.4
40°-50°	214.9	15.1
50°-60°	88.6	6.2
60°-70°	22.3	1.6
70°-80°	5.1	0.4
80°-90°	0.7	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°	728.6	51.3
0°-40°	1089.5	76.7
0°-60°	1393.1	98.0
0°-90°	1421.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1421.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	980	
5°	973	92
15°	928	261
25°	821	375
35°	585	361
45°	273	215
55°	95	89
65°	19	22
75°	5	5
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	979.5
2.5°	974.9
5°	973.3
7.5°	965.6
10°	953.1
12.5°	940.7
15°	928.3
17.5°	909.7
20°	884.8
22.5°	855.3
25°	821.2
27.5°	779.3
30°	726.5
32.5°	661.3
35°	585.2
37.5°	503.0
40°	419.1
42.5°	341.5
45°	273.2
47.5°	215.8
50°	167.6
52.5°	128.8
55°	94.7
57.5°	68.3
60°	48.1
62.5°	31.0
65°	18.6
67.5°	12.4
70°	9.3
72.5°	6.2
75°	4.7
77.5°	3.1
80°	1.6
82.5°	1.6
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)