

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: P136154

Luminaire Tested: **LD6A15D010TE ERW6A15835 6LW1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P136154
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 ERW6A15835 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: 1543.0 lumens
Efficiency: N/A
Efficacy: 68.3 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

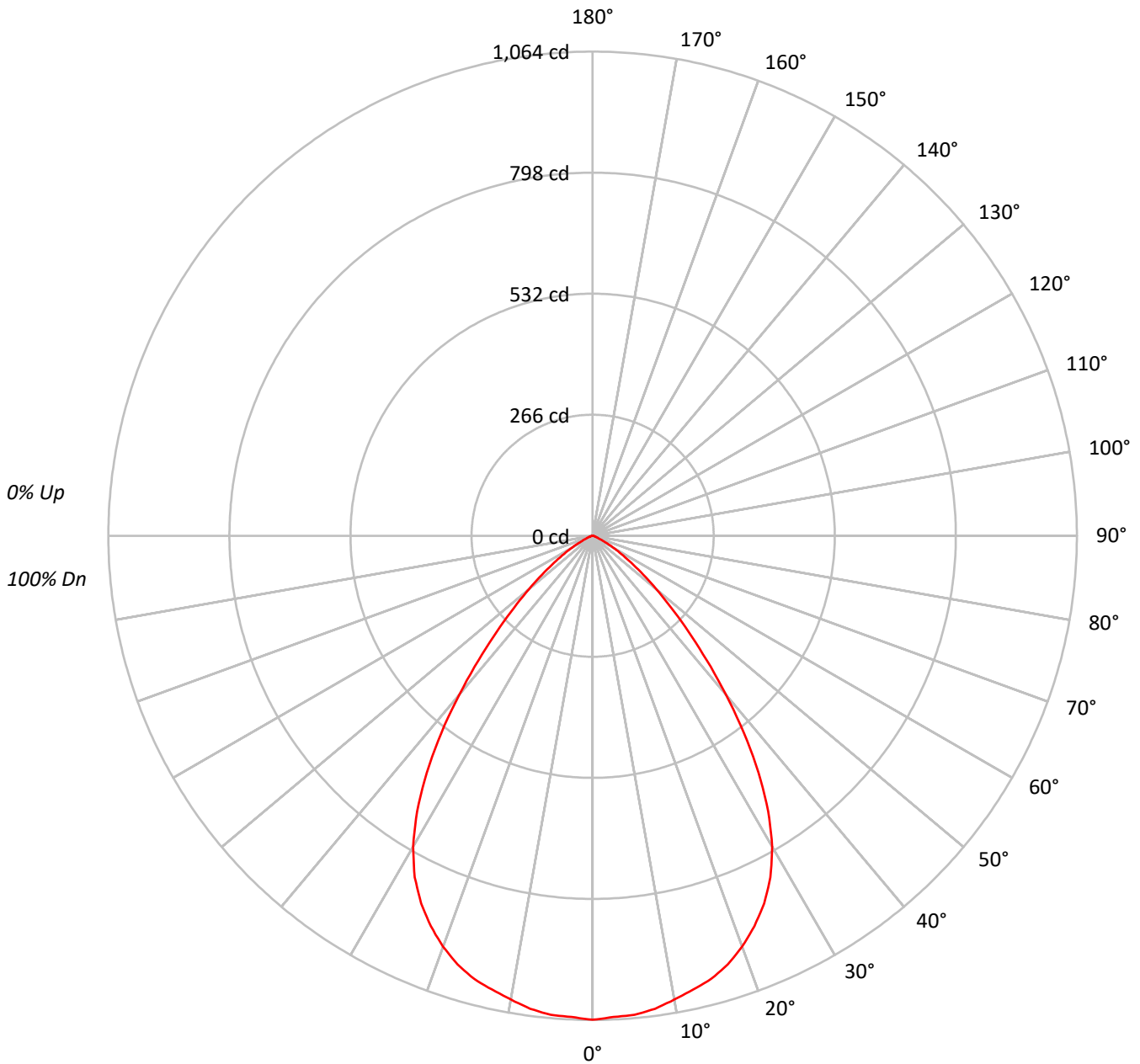
Input Watts (W): 22.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	69383
5°	69210
10°	68559
15°	68076
20°	66699
25°	64182
30°	59423
35°	50606
40°	38759
45°	27366
50°	18472
55°	11693
60°	6811
65°	3118
70°	1927
75°	1286
80°	639
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.2	6.5
10°-20°	283.5	18.4
20°-30°	407.5	26.4
30°-40°	391.9	25.4
40°-50°	233.4	15.1
50°-60°	96.2	6.2
60°-70°	24.2	1.6
70°-80°	5.6	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°	791.1	51.3
0°-40°	1183.0	76.7
0°-60°	1512.6	98.0
0°-90°	1543.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1543.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1064	
5°	1057	100
15°	1008	283
25°	892	407
35°	635	392
45°	297	233
55°	103	96
65°	20	24
75°	5	6
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1063.5
2.5°	1058.5
5°	1056.8
7.5°	1048.4
10°	1034.9
12.5°	1021.4
15°	1007.9
17.5°	987.7
20°	960.7
22.5°	928.7
25°	891.6
27.5°	846.1
30°	788.8
32.5°	718.0
35°	635.4
37.5°	546.1
40°	455.1
42.5°	370.8
45°	296.6
47.5°	234.3
50°	182.0
52.5°	139.9
55°	102.8
57.5°	74.2
60°	52.2
62.5°	33.7
65°	20.2
67.5°	13.5
70°	10.1
72.5°	6.7
75°	5.1
77.5°	3.4
80°	1.7
82.5°	1.7
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)