

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: P136126

Luminaire Tested: **LD6A10D010TE ERW6A10935 6LW1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P136126
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 ERW6A10935 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: 1063.1 lumens
Efficiency: N/A
Efficacy: 75.9 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

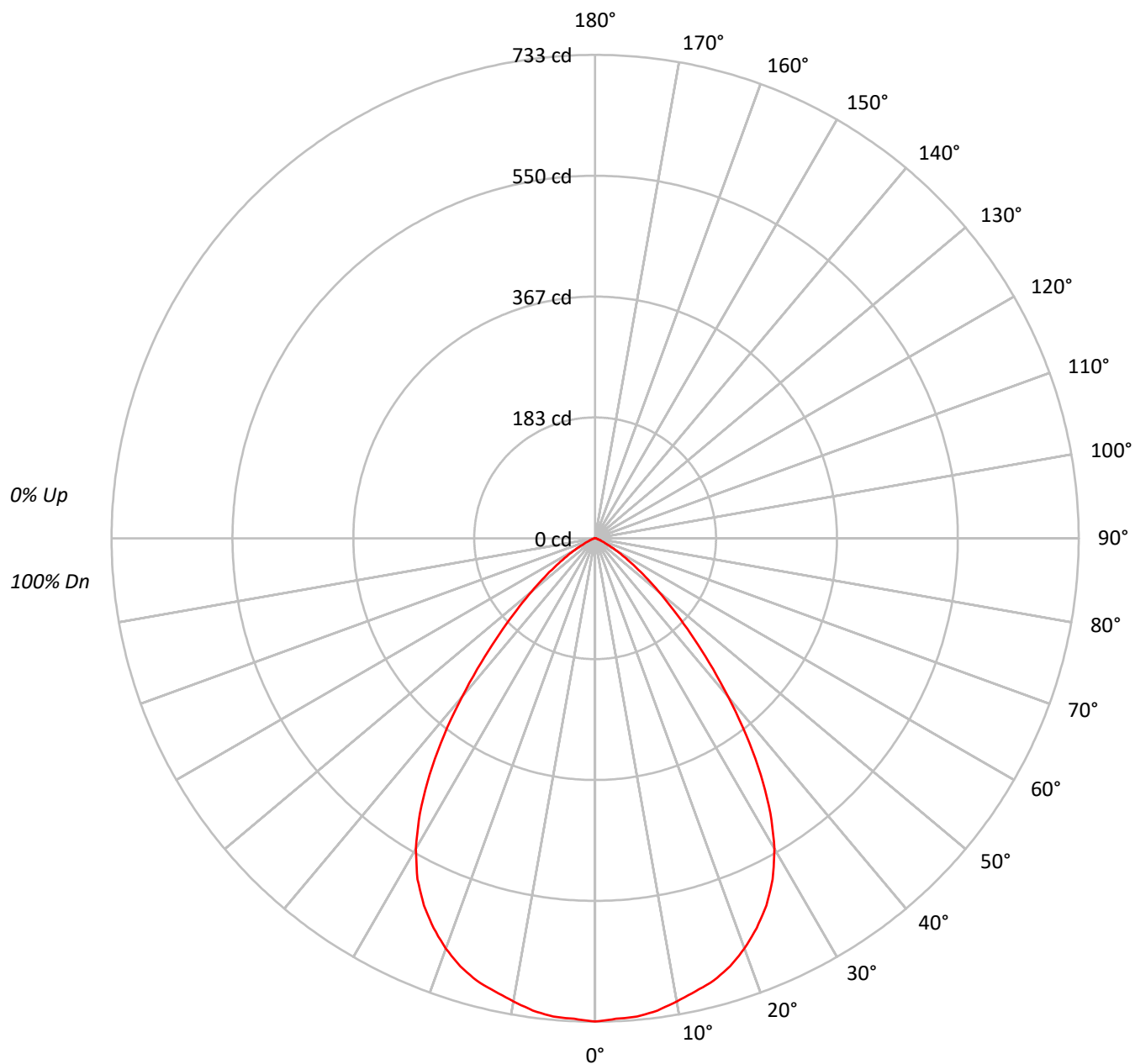
Input Watts (W): 14
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	91	86	81	97	90	85	80	87	83	79		85	81	78		82
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76
5	87	77	70	65	85	76	70	65	74	69	64		72	68	64		71
6	82	71	64	59	80	70	64	59	69	63	58		67	62	58		66
7	77	66	59	54	75	65	58	54	64	58	53		62	57	53		61
8	72	61	54	49	71	61	54	49	59	53	49		58	53	49		57
9	68	57	50	45	67	56	50	45	55	49	45		54	49	45		53
10	64	53	46	42	63	53	46	42	52	46	42		51	46	42		50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	47802
5°	47683
10°	47234
15°	46901
20°	45954
25°	44213
30°	40944
35°	34868
40°	26699
45°	18850
50°	12728
55°	8064
60°	4697
65°	2161
70°	1335
75°	882
80°	451
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.0	6.5
10°-20°	195.3	18.4
20°-30°	280.7	26.4
30°-40°	270.0	25.4
40°-50°	160.8	15.1
50°-60°	66.3	6.2
60°-70°	16.7	1.6
70°-80°	3.8	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°	545.0	51.3
0°-40°	815.0	76.7
0°-60°	1042.1	98.0
0°-90°	1063.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1063.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	733	
5°	728	69
15°	694	195
25°	614	281
35°	438	270
45°	204	161
55°	71	66
65°	14	17
75°	4	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	732.7
2.5°	729.3
5°	728.1
7.5°	722.3
10°	713.0
12.5°	703.6
15°	694.4
17.5°	680.4
20°	661.9
22.5°	639.8
25°	614.2
27.5°	582.9
30°	543.5
32.5°	494.7
35°	437.8
37.5°	376.2
40°	313.5
42.5°	255.5
45°	204.3
47.5°	161.4
50°	125.4
52.5°	96.4
55°	70.9
57.5°	51.1
60°	36.0
62.5°	23.2
65°	14.0
67.5°	9.3
70°	7.0
72.5°	4.7
75°	3.5
77.5°	2.3
80°	1.2
82.5°	1.2
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)