

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: P135316

Luminaire Tested: **LD6A15D010TE ERM6A15927 6LM1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P135316
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23398)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6A15D010TE ERM6A15927 6LM1LI
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 2700K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1364.9 lumens
Efficiency: N/A
Efficacy: 60.4 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.8
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

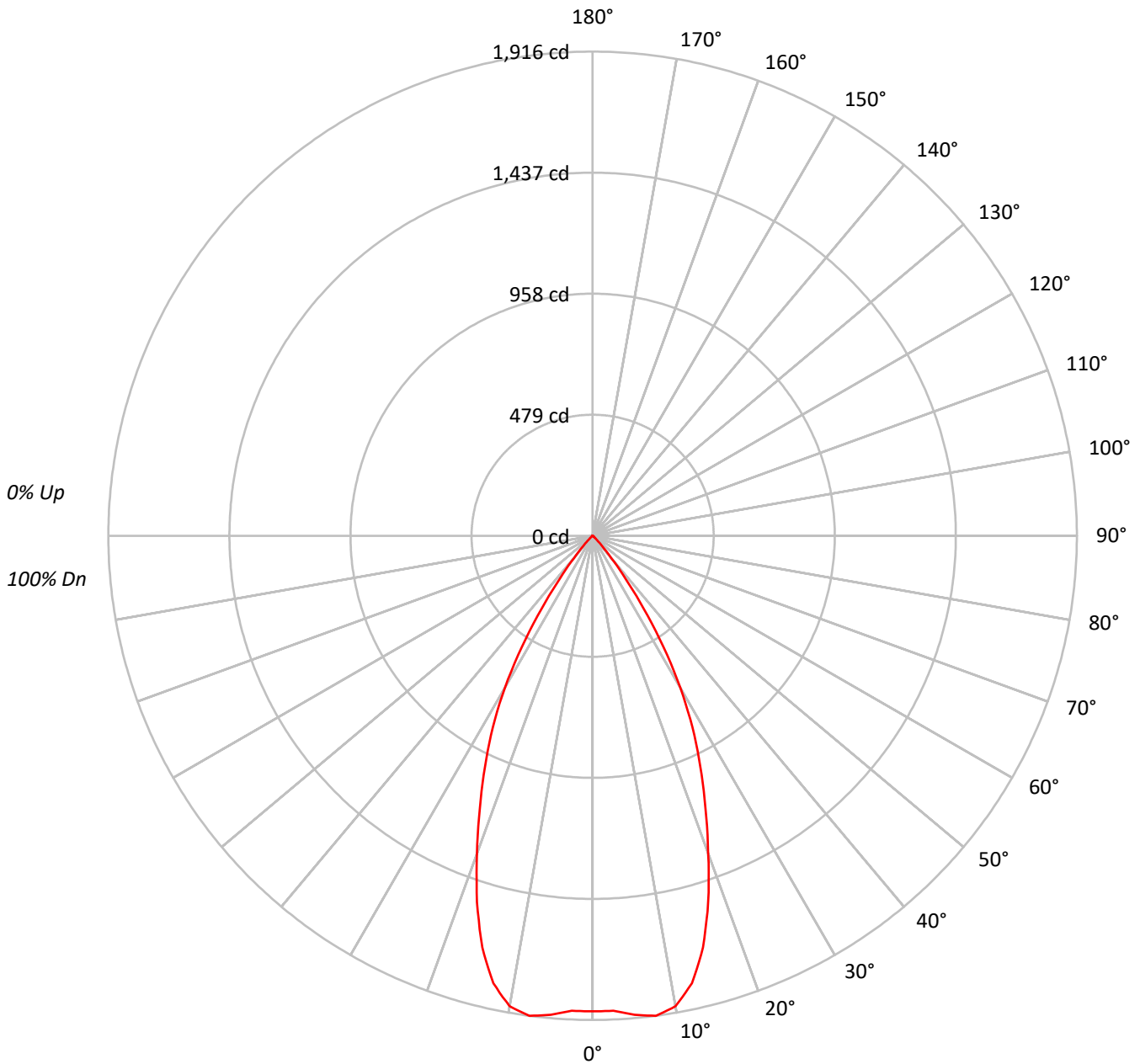
Input Watts (W): 22.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	100
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	94	94	94	94
2	109	104	101	98	107	103	99	96	99	97	94	97	94	92	94	92	90	89	89	89	89
3	104	98	93	90	102	97	93	89	94	91	88	92	89	86	90	87	85	84	84	84	84
4	99	92	87	83	98	91	87	83	89	85	82	87	84	81	85	82	80	79	79	79	79
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74	74	74	74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70	70	70	70
7	87	78	72	69	85	77	72	68	76	71	68	75	71	68	74	70	67	66	66	66	66
8	83	74	69	65	82	73	68	65	72	68	64	71	67	64	71	67	64	63	63	63	63
9	79	70	65	61	78	70	65	61	69	64	61	68	64	61	67	63	61	59	59	59	59
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	57	56	56	56	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	122796
5°	124594
10°	125240
15°	113950
20°	92853
25°	72554
30°	52281
35°	27931
40°	9717
45°	2639
50°	842
55°	421
60°	235
65°	139
70°	172
75°	227
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.5	13.3
10°-20°	462.1	33.9
20°-30°	459.4	33.7
30°-40°	226.1	16.6
40°-50°	30.4	2.2
50°-60°	3.6	0.3
60°-70°	1.2	0.1
70°-80°	0.6	0.0
80°-90°	0.0	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°	1103.0	80.8
0°-40°	1329.1	97.4
0°-60°	1363.1	99.9
0°-90°	1364.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1364.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1882	
5°	1902	182
15°	1687	462
25°	1008	459
35°	351	226
45°	29	30
55°	4	4
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1882.2
2.5°	1881.3
5°	1902.5
7.5°	1916.3
10°	1890.5
12.5°	1814.2
15°	1687.1
17.5°	1520.6
20°	1337.4
22.5°	1165.2
25°	1007.9
27.5°	855.1
30°	694.0
32.5°	520.9
35°	350.7
37.5°	210.8
40°	114.1
42.5°	58.9
45°	28.6
47.5°	13.8
50°	8.3
52.5°	4.6
55°	3.7
57.5°	2.8
60°	1.8
62.5°	1.8
65°	0.9
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)