

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: P135193

Luminaire Tested: **LD6A15D010TE ERN6A15830 6LN1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P135193
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23370)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6A15D010TE ERN6A15830 6LN1H
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 3000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1313.0 lumens
Efficiency: N/A
Efficacy: 58.1 lumens/watt
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.84
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

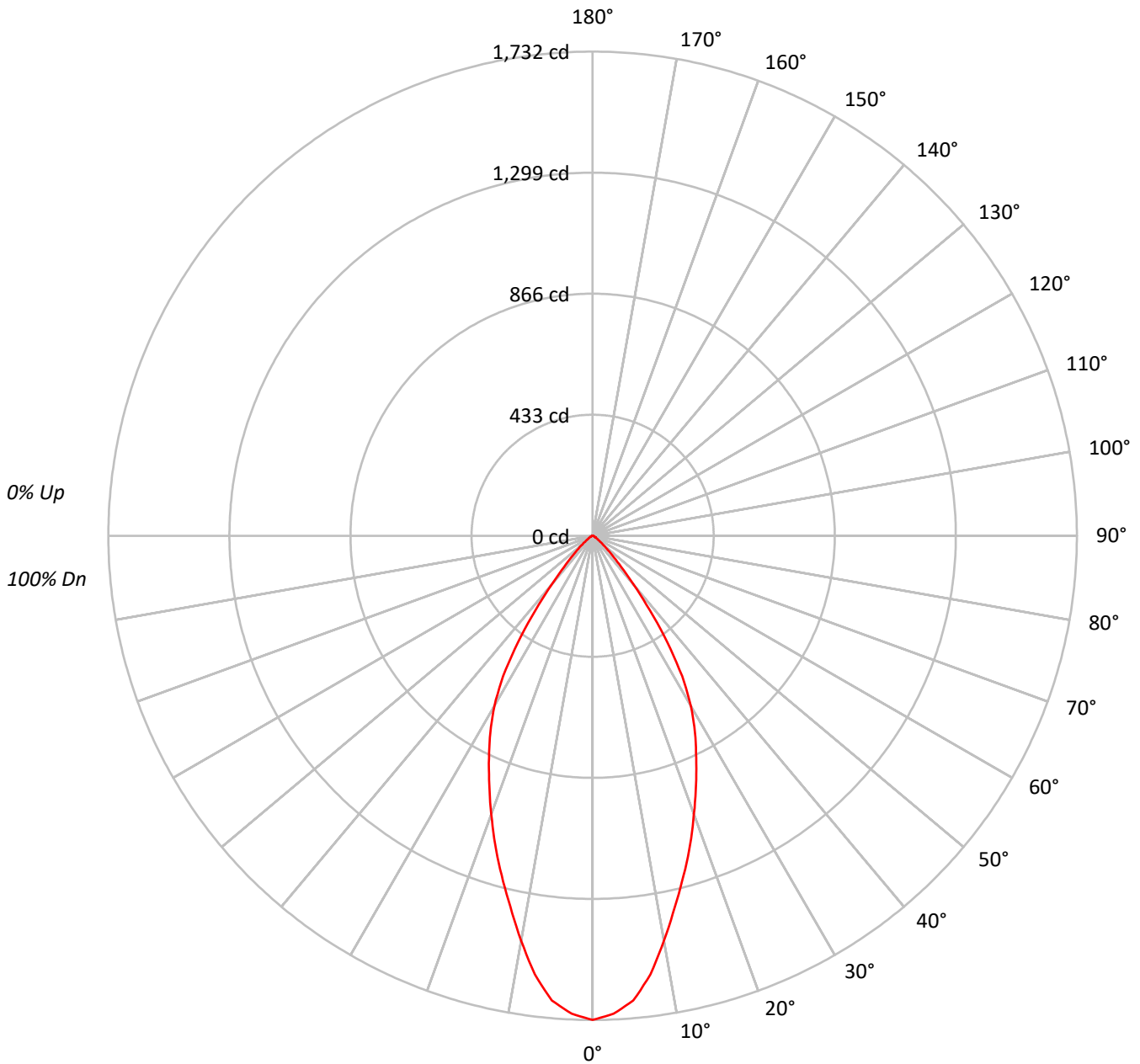
Input Watts (W): 22.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			
5	92	84	78	73	90	83	77	73	81	76	72	79	75	72	78	74	71	70			
6	87	78	72	68	86	78	72	68	76	71	67	75	70	67	73	69	66	65			
7	83	74	68	63	82	73	67	63	72	67	63	71	66	63	69	65	62	61			
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	62	58	57			
9	75	66	60	56	74	65	59	56	64	59	55	63	59	55	62	58	55	54			
10	72	62	56	52	71	62	56	52	61	56	52	60	55	52	59	55	52	51			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	112984
5°	109289
10°	97436
15°	84927
20°	73545
25°	63102
30°	52967
35°	37170
40°	19350
45°	9208
50°	4831
55°	2616
60°	1801
65°	1189
70°	877
75°	781
80°	564
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.8	11.6
10°-20°	351.3	26.8
20°-30°	402.0	30.6
30°-40°	286.4	21.8
40°-50°	86.6	6.6
50°-60°	22.5	1.7
60°-70°	8.3	0.6
70°-80°	2.8	0.2
80°-90°	0.2	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°	906.2	69.0
0°-40°	1192.6	90.8
0°-60°	1301.6	99.1
0°-90°	1313.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1313.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1732	
5°	1669	153
15°	1257	351
25°	877	402
35°	467	286
45°	100	87
55°	23	22
65°	8	8
75°	3	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1731.8
2.5°	1711.8
5°	1668.8
7.5°	1582.9
10°	1470.8
12.5°	1358.7
15°	1257.4
17.5°	1159.1
20°	1059.3
22.5°	965.7
25°	876.6
27.5°	792.2
30°	703.1
32.5°	595.7
35°	466.7
37.5°	334.7
40°	227.2
42.5°	150.5
45°	99.8
47.5°	69.1
50°	47.6
52.5°	30.7
55°	23.0
57.5°	16.9
60°	13.8
62.5°	10.7
65°	7.7
67.5°	6.1
70°	4.6
72.5°	3.1
75°	3.1
77.5°	1.5
80°	1.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)