

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: P135370

Luminaire Tested: **LD6A30D010TE ERM6A30835 6LM1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P135370
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: LD6A30D010TE ERM6A30835 6LM1LI
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 3500K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3014.0 lumens
Efficiency: N/A
Efficacy: 66.4 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

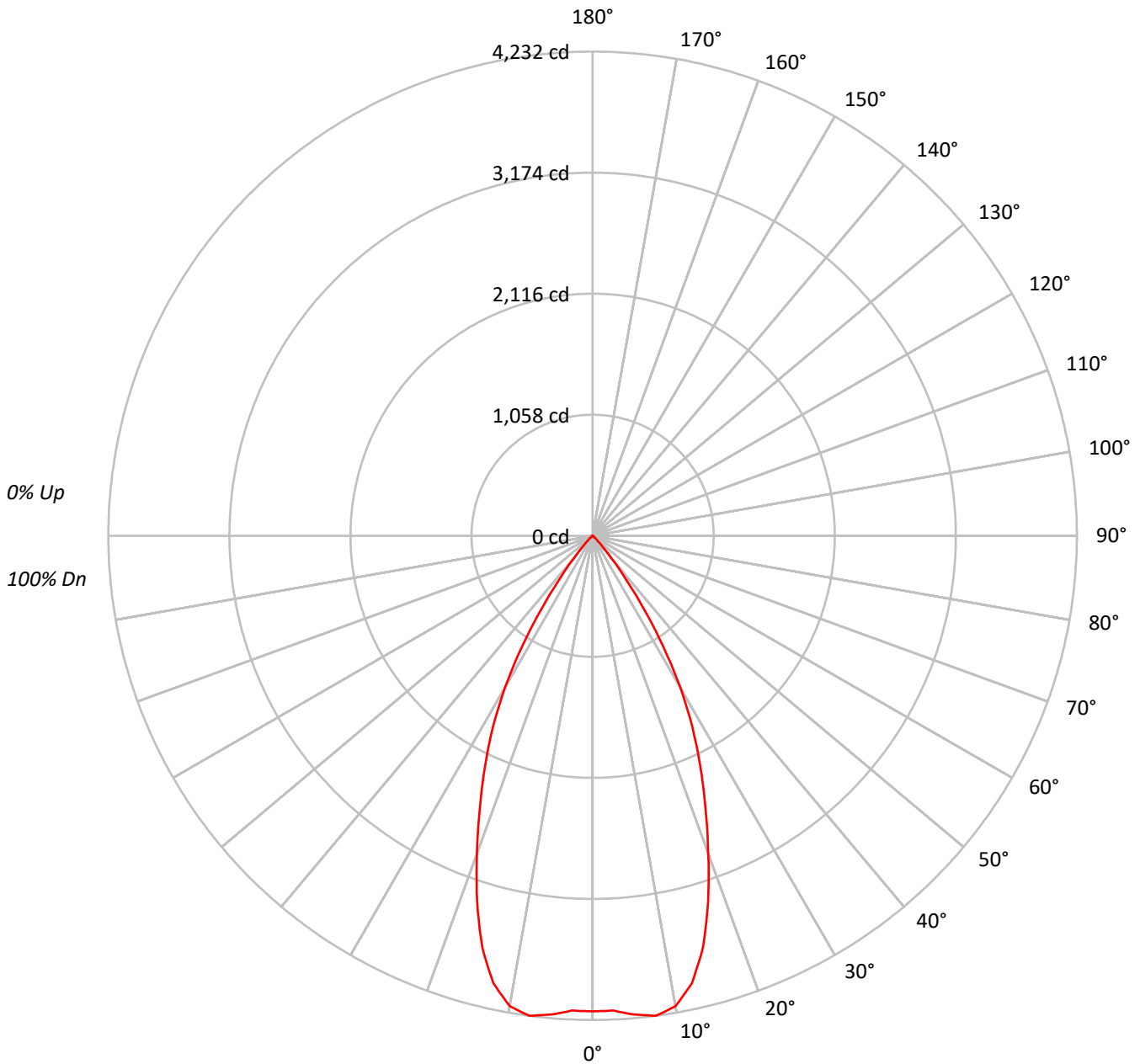
Input Watts (W): 45.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	271166
5°	275129
10°	276562
15°	251628
20°	205027
25°	160203
30°	115448
35°	61676
40°	21462
45°	5813
50°	1857
55°	921
60°	535
65°	309
70°	382
75°	504
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.9	13.3
10°-20°	1020.4	33.9
20°-30°	1014.3	33.7
30°-40°	499.4	16.6
40°-50°	67.1	2.2
50°-60°	7.9	0.3
60°-70°	2.7	0.1
70°-80°	1.3	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°	2435.5	80.8
0°-40°	2934.9	97.4
0°-60°	3009.9	99.9
0°-90°	3014.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3014.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4156	
5°	4201	401
15°	3726	1020
25°	2226	1014
35°	774	499
45°	63	67
55°	8	8
65°	2	3
75°	2	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4156.4
2.5°	4154.3
5°	4201.1
7.5°	4231.6
10°	4174.7
12.5°	4006.0
15°	3725.5
17.5°	3357.6
20°	2953.1
22.5°	2573.1
25°	2225.5
27.5°	1888.1
30°	1532.5
32.5°	1150.4
35°	774.4
37.5°	465.4
40°	252.0
42.5°	130.1
45°	63.0
47.5°	30.5
50°	18.3
52.5°	10.2
55°	8.1
57.5°	6.1
60°	4.1
62.5°	4.1
65°	2.0
67.5°	2.0
70°	2.0
72.5°	2.0
75°	2.0
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)