

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: P135368

Luminaire Tested: **LD6A30D010TE ERM6A30827 6LM1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P135368
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 ERM6A30827 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: 2807.0 lumens
Efficiency: N/A
Efficacy: 61.8 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

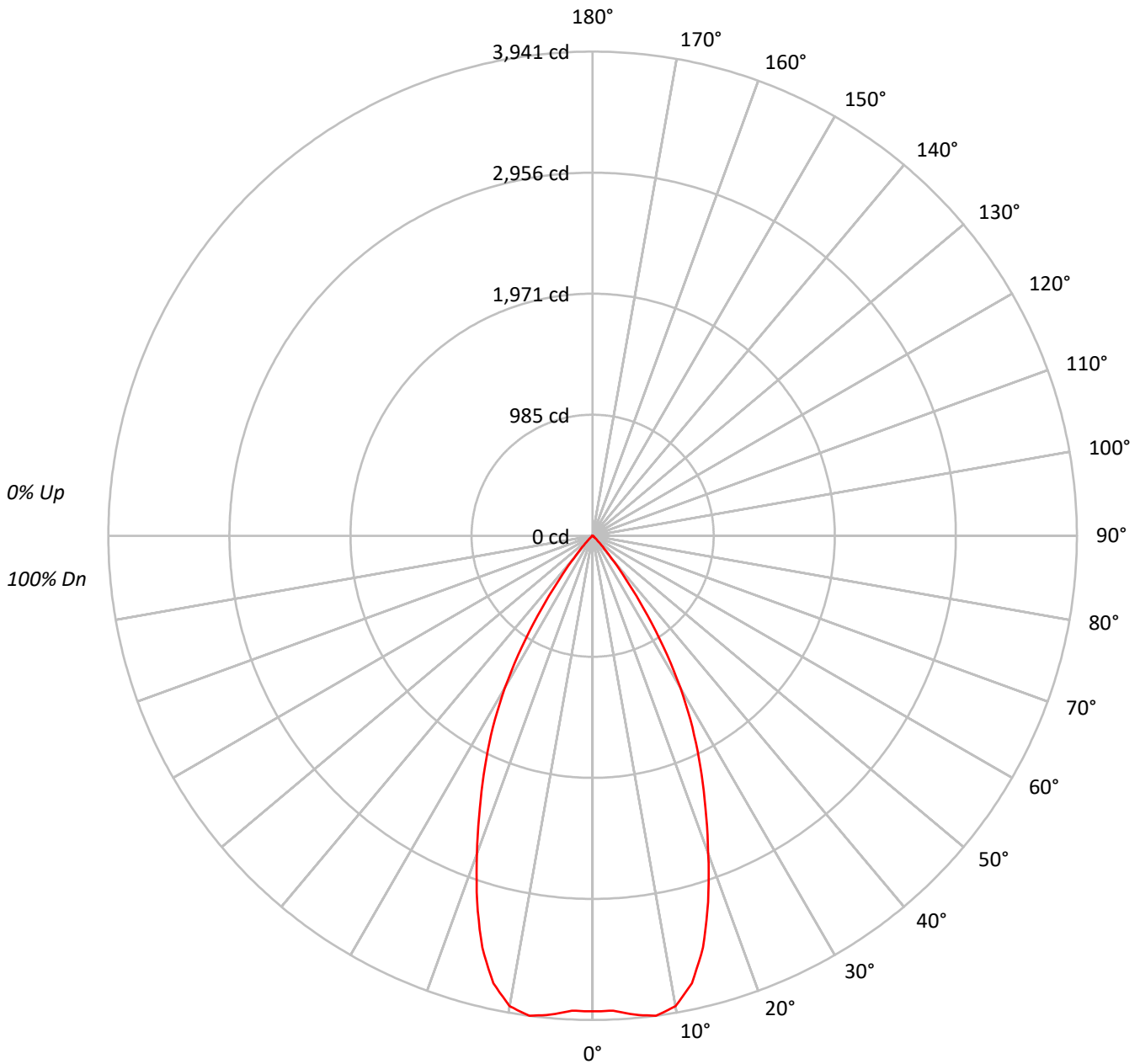
Input Watts (W): 45.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P135368

CATALOG NUMBER: LD6A30D010TE ERM6A30827 6LM1LI

Luminous Intensity Polar Plot





TEST NUMBER: P135368

CATALOG NUMBER: LD6A30D010TE ERM6A30827 6LM1LI

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	101	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°	252540
5°	256229
10°	257562
15°	234344
20°	190947
25°	149203
30°	107516
35°	57439
40°	19988
45°	5416
50°	1725
55°	864
60°	496
65°	293
70°	362
75°	479
80°	0
85°	0



TEST NUMBER: P135368

CATALOG NUMBER: LD6A30D010TE ERM6A30827 6LM1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.3	13.3
10°-20°	950.3	33.9
20°-30°	944.7	33.7
30°-40°	465.1	16.6
40°-50°	62.5	2.2
50°-60°	7.4	0.3
60°-70°	2.6	0.1
70°-80°	1.2	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°	2268.3	80.8
0°-40°	2733.4	97.4
0°-60°	2803.2	99.9
0°-90°	2807.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2807.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3871	
5°	3912	373
15°	3470	950
25°	2073	945
35°	721	465
45°	59	62
55°	8	7
65°	2	3
75°	2	1
85°	0	0
90°	0	



TEST NUMBER: P135368

CATALOG NUMBER: LD6A30D010TE ERM6A30827 6LM1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	3870.9
2.5°	3869.0
5°	3912.5
7.5°	3940.9
10°	3887.9
12.5°	3730.8
15°	3469.6
17.5°	3127.0
20°	2750.3
22.5°	2396.4
25°	2072.7
27.5°	1758.5
30°	1427.2
32.5°	1071.4
35°	721.2
37.5°	433.5
40°	234.7
42.5°	121.1
45°	58.7
47.5°	28.4
50°	17.0
52.5°	9.5
55°	7.6
57.5°	5.7
60°	3.8
62.5°	3.8
65°	1.9
67.5°	1.9
70°	1.9
72.5°	1.9
75°	1.9
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)