

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: P135492

Luminaire Tested: **LD6A30D010TE ERM6A30927 6LM1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P135492
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23371)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6A30D010TE ERM6A30927 6LM1H
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 2700K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2247.9 lumens
Efficiency: N/A
Efficacy: 49.5 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.9
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

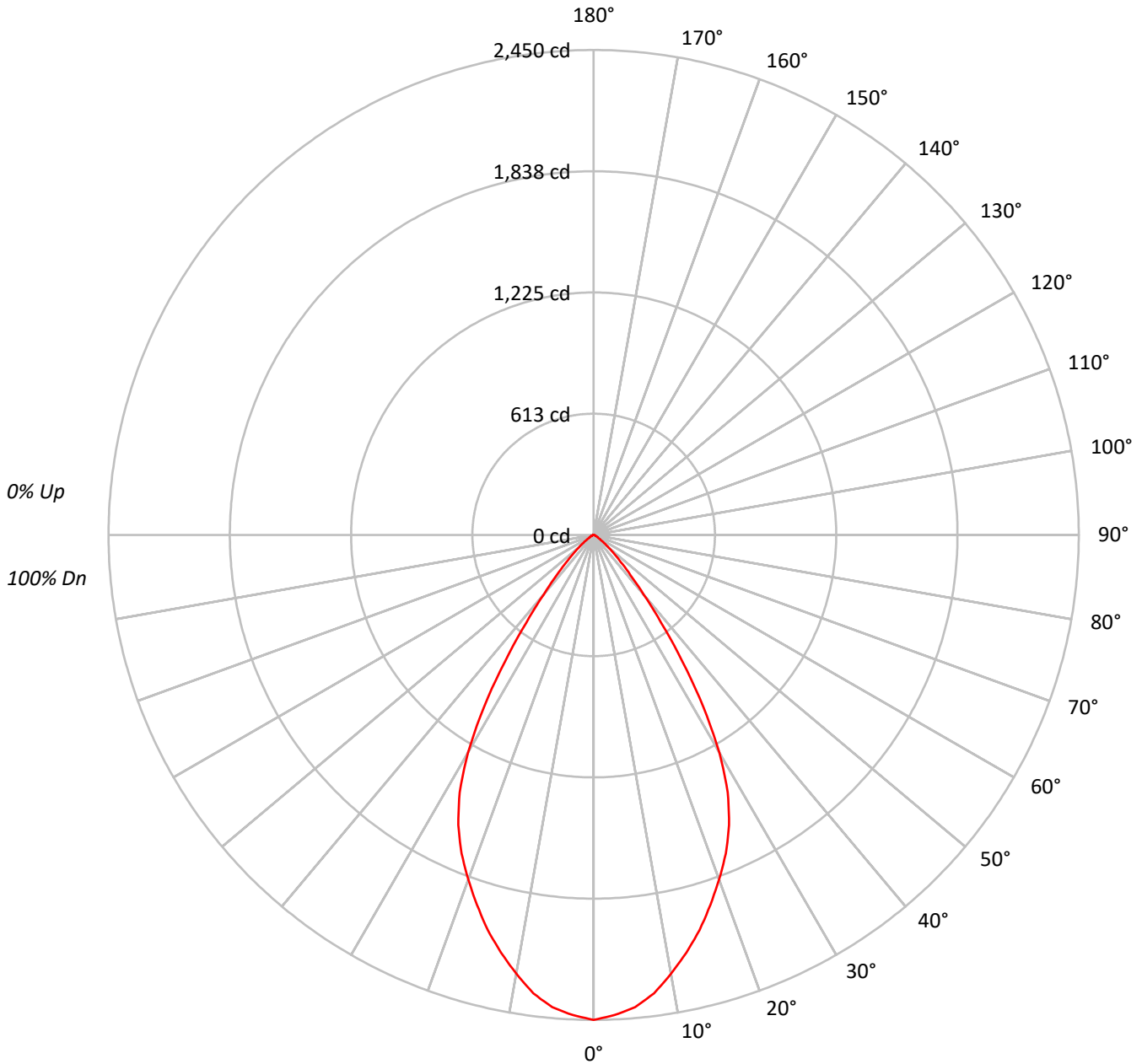
Input Watts (W): 45.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P135492

CATALOG NUMBER: LD6A30D010TE ERM6A30927 6LM1H

Luminous Intensity Polar Plot





TEST NUMBER: P135492

CATALOG NUMBER: LD6A30D010TE ERM6A30927 6LM1H

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	102	101	101	99	98	97	96	95	93			
2	108	103	98	95	105	101	97	94	98	94	92	95	92	90	92	90	88	86			
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80			
4	97	89	83	79	95	88	82	78	85	81	77	83	80	76	82	78	76	74			
5	91	83	77	72	90	82	76	72	80	75	72	78	74	71	77	73	70	69			
6	87	78	71	67	85	77	71	67	75	70	66	74	69	66	73	69	65	64			
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60			
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56			
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52			
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	50	49			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	159859
5°	156881
10°	149116
15°	139576
20°	128587
25°	116450
30°	95583
35°	62138
40°	33325
45°	17945
50°	9865
55°	4823
60°	2936
65°	1930
70°	1431
75°	630
80°	939
85°	0



TEST NUMBER: P135492

CATALOG NUMBER: LD6A30D010TE ERM6A30927 6LM1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.1	10.0
10°-20°	578.1	25.7
20°-30°	731.3	32.5
30°-40°	491.6	21.9
40°-50°	161.5	7.2
50°-60°	43.5	1.9
60°-70°	13.5	0.6
70°-80°	3.9	0.2
80°-90°	0.3	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°	1533.4	68.2
0°-40°	2024.9	90.1
0°-60°	2230.0	99.2
0°-90°	2247.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2247.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2450	
5°	2396	224
15°	2066	578
25°	1618	731
35°	780	492
45°	194	162
55°	42	44
65°	12	14
75°	2	4
85°	0	0
90°	0	



TEST NUMBER: P135492

CATALOG NUMBER: LD6A30D010TE ERM6A30927 6LM1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	2450.3
2.5°	2427.8
5°	2395.5
7.5°	2335.6
10°	2250.9
12.5°	2161.2
15°	2066.5
17.5°	1959.3
20°	1852.1
22.5°	1742.4
25°	1617.7
27.5°	1465.7
30°	1268.8
32.5°	1032.0
35°	780.2
37.5°	558.4
40°	391.3
42.5°	274.2
45°	194.5
47.5°	137.1
50°	97.2
52.5°	64.8
55°	42.4
57.5°	29.9
60°	22.5
62.5°	17.4
65°	12.5
67.5°	10.0
70°	7.5
72.5°	5.0
75°	2.5
77.5°	2.5
80°	2.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)