

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: P135439

Luminaire Tested: **LD6A15D010TE ERM6A15940 6LM1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P135439
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: LD6A15D010TE ERM6A15940 6LM1H
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 4000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1336.3 lumens
Efficiency: N/A
Efficacy: 59.1 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

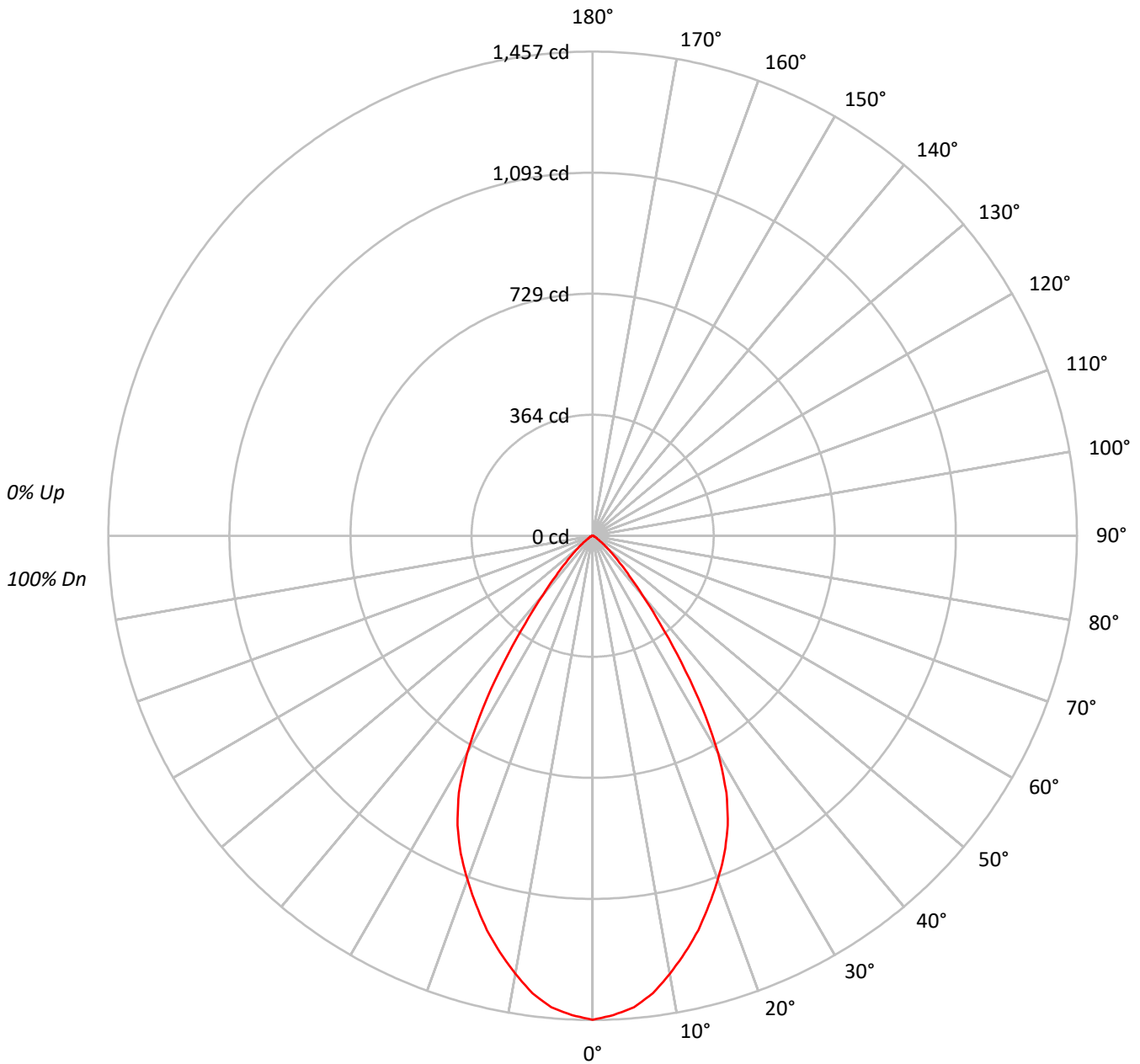
Input Watts (W): 22.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P135439

CATALOG NUMBER: LD6A15D010TE ERM6A15940 6LM1H

Luminous Intensity Polar Plot





TEST NUMBER: P135439

CATALOG NUMBER: LD6A15D010TE ERM6A15940 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
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	73	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°	95036
5°	93264
10°	88652
15°	82975
20°	76447
25°	69235
30°	56824
35°	36939
40°	19810
45°	10666
50°	5866
55°	2866
60°	1748
65°	1142
70°	839
75°	378
80°	564
85°	0



TEST NUMBER: P135439

CATALOG NUMBER: LD6A15D010TE ERM6A15940 6LM1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.2	10.0
10°-20°	343.7	25.7
20°-30°	434.8	32.5
30°-40°	292.2	21.9
40°-50°	96.0	7.2
50°-60°	25.9	1.9
60°-70°	8.0	0.6
70°-80°	2.3	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°	911.6	68.2
0°-40°	1203.8	90.1
0°-60°	1325.8	99.2
0°-90°	1336.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1336.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1457	
5°	1424	133
15°	1228	344
25°	962	435
35°	464	292
45°	116	96
55°	25	26
65°	7	8
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P135439

CATALOG NUMBER: LD6A15D010TE ERM6A15940 6LM1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	1456.7
2.5°	1443.4
5°	1424.1
7.5°	1388.6
10°	1338.2
12.5°	1284.9
15°	1228.5
17.5°	1164.8
20°	1101.1
22.5°	1035.9
25°	961.8
27.5°	871.4
30°	754.3
32.5°	613.6
35°	463.8
37.5°	331.9
40°	232.6
42.5°	163.0
45°	115.6
47.5°	81.5
50°	57.8
52.5°	38.5
55°	25.2
57.5°	17.8
60°	13.4
62.5°	10.4
65°	7.4
67.5°	5.9
70°	4.4
72.5°	2.9
75°	1.5
77.5°	1.5
80°	1.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)