

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: P204330

Luminaire Tested: **LD6B70D010TE EU6B60708027 6LBSWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204330
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B70D010TE EU6B60708027 6LBSWH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH WHEAT TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7099.9 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 1.08
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

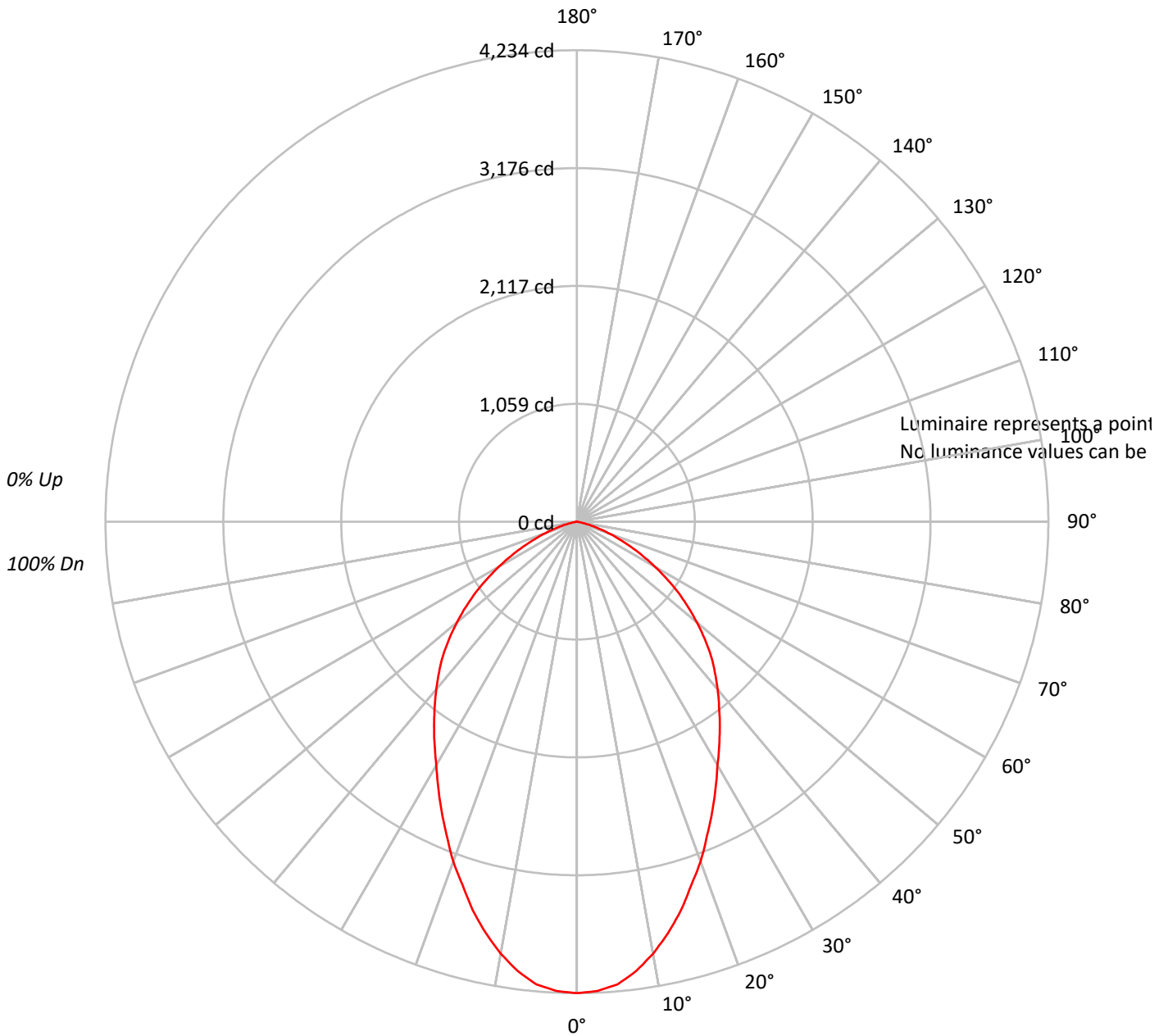
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204330

CATALOG NUMBER: LD6B70D010TE EU6B60708027 6LBSWH1

Luminous Intensity Polar Plot





TEST NUMBER: P204330

CATALOG NUMBER: LD6B70D010TE EU6B60708027 6LBSWH1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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				100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89				89
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77				77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67				67
4	88	77	70	64	86	76	69	63	74	68	63	72	66	62	69	65	61	59				59
5	81	70	62	56	79	69	62	56	67	60	55	65	59	55	63	58	54	52				52
6	76	64	56	50	74	63	55	50	61	54	49	60	54	49	58	53	49	47				47
7	71	58	51	45	69	58	50	45	56	49	45	55	49	44	54	48	44	42				42
8	66	54	46	41	65	53	46	41	52	45	40	51	45	40	50	44	40	38				38
9	62	50	42	37	61	49	42	37	48	41	37	47	41	37	46	41	37	35				35
10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32				32

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204330

CATALOG NUMBER: LD6B70D010TE EU6B60708027 6LBSWH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.5	5.5
10°-20°	1010.9	14.2
20°-30°	1322.2	18.6
30°-40°	1400.0	19.7
40°-50°	1305.8	18.4
50°-60°	989.0	13.9
60°-70°	535.7	7.5
70°-80°	143.7	2.0
80°-90°	2.1	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°	2723.6	38.4
0°-40°	4123.6	58.1
0°-60°	6418.4	90.4
0°-90°	7099.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7099.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4234	
5°	4172	391
15°	3613	1011
25°	2875	1322
35°	2238	1400
45°	1702	1306
55°	1111	989
65°	536	536
75°	124	144
85°	0	2
90°	0	



TEST NUMBER: P204330

CATALOG NUMBER: LD6B70D010TE EU6B60708027 6LBSWH1

CANDELA DISTRIBUTION (FULL):

0°	
0°	4234.3
2.5°	4218.8
5°	4172.1
7.5°	4071.1
10°	3939.1
12.5°	3783.7
15°	3612.7
17.5°	3418.5
20°	3247.6
22.5°	3053.4
25°	2874.7
27.5°	2696.0
30°	2525.0
32.5°	2377.4
35°	2237.6
37.5°	2097.7
40°	1965.6
42.5°	1833.6
45°	1701.5
47.5°	1553.9
50°	1406.3
52.5°	1258.6
55°	1111.0
57.5°	955.6
60°	808.0
62.5°	668.2
65°	536.1
67.5°	411.8
70°	303.0
72.5°	209.8
75°	124.3
77.5°	54.4
80°	15.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)