

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: P205470

Luminaire Tested: **LD6B70D010TE EU6B60709730 6LBSLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205470
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 EU6B60709730 6LBSLI1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SPECULAR CLEAR TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5704.2 lumens
Efficiency: N/A
Efficacy: 71.8 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

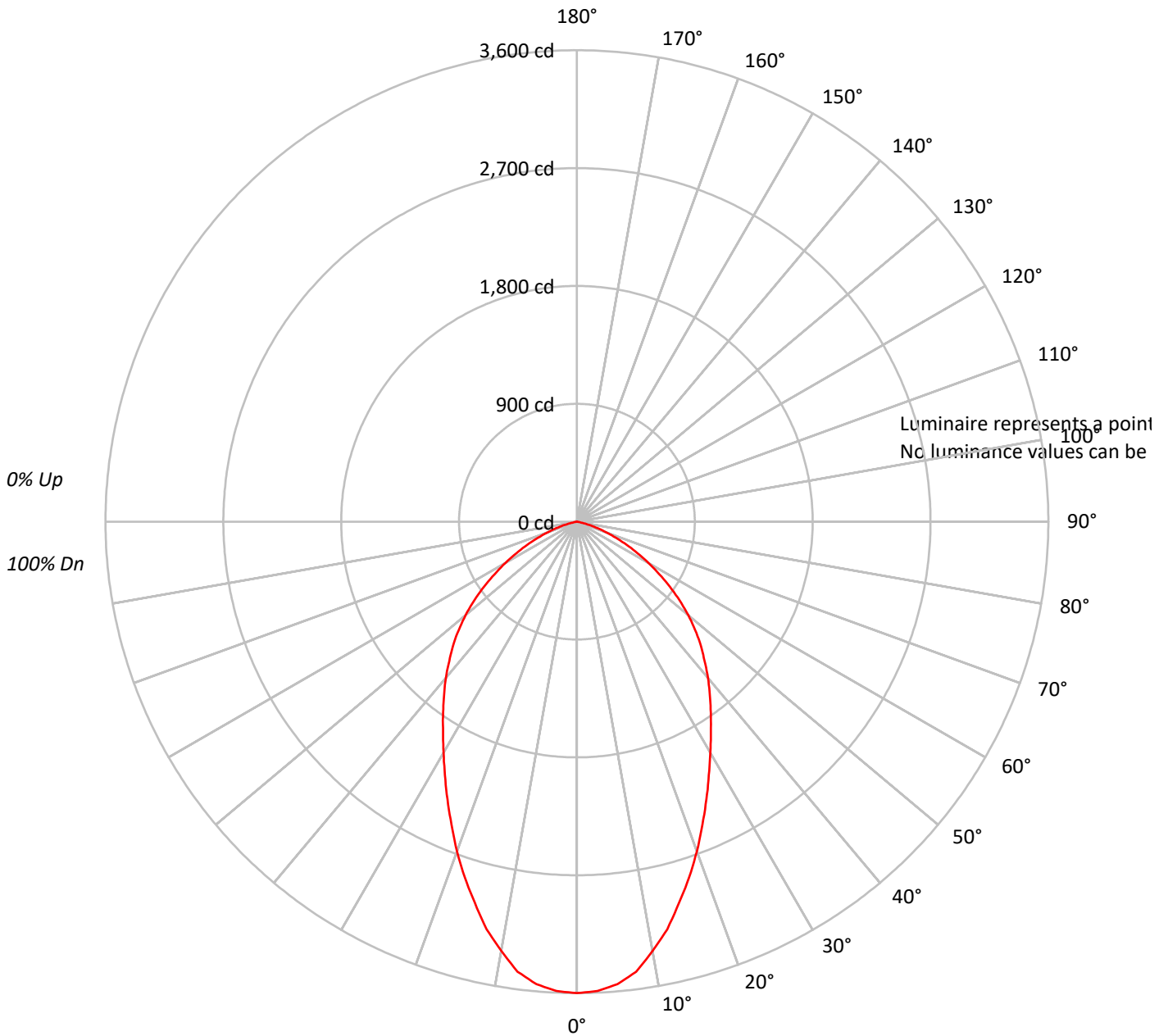
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P205470

CATALOG NUMBER: LD6B70D010TE EU6B60709730 6LBSLI1

Luminous Intensity Polar Plot





TEST NUMBER: P205470

CATALOG NUMBER: LD6B70D010TE EU6B60709730 6LBSLI1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89																			
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77																			
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68																			
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60																			
5	82	71	63	57	80	70	62	57	67	61	56	66	60	55	64	59	55	53																			
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47																			
7	71	59	51	46	70	58	51	45	57	50	45	55	49	45	54	49	45	43																			
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39																			
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36																			
10	59	47	40	35	58	46	39	35	45	39	35	45	39	34	44	38	34	33																			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P205470

CATALOG NUMBER: LD6B70D010TE EU6B60709730 6LBSLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.7	5.8
10°-20°	844.4	14.8
20°-30°	1076.8	18.9
30°-40°	1116.7	19.6
40°-50°	1029.0	18.0
50°-60°	774.0	13.6
60°-70°	417.8	7.3
70°-80°	112.1	2.0
80°-90°	1.6	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°	2253.0	39.5
0°-40°	3369.7	59.1
0°-60°	5172.7	90.7
0°-90°	5704.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5704.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3600	
5°	3545	332
15°	3012	844
25°	2339	1077
35°	1782	1117
45°	1339	1029
55°	867	774
65°	418	418
75°	97	112
85°	0	2
90°	0	



TEST NUMBER: P205470

CATALOG NUMBER: LD6B70D010TE EU6B60709730 6LBSLI1

CANDELA DISTRIBUTION (FULL):

0°	
0°	3599.7
2.5°	3587.5
5°	3545.1
7.5°	3466.3
10°	3327.0
12.5°	3187.6
15°	3011.8
17.5°	2848.2
20°	2678.5
22.5°	2502.8
25°	2339.2
27.5°	2181.6
30°	2036.2
32.5°	1902.9
35°	1781.7
37.5°	1666.5
40°	1557.4
42.5°	1442.3
45°	1339.3
47.5°	1224.1
50°	1109.0
52.5°	987.8
55°	866.6
57.5°	745.4
60°	630.2
62.5°	521.2
65°	418.1
67.5°	321.2
70°	236.3
72.5°	163.6
75°	97.0
77.5°	42.4
80°	12.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)