

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: P202771

Luminaire Tested: **LD6B50D010TE EU6B30509730 6LBWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202771
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: LD6B50D010TE EU6B30509730 6LBWH1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3529.2 lumens
Efficiency: N/A
Efficacy: 60.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

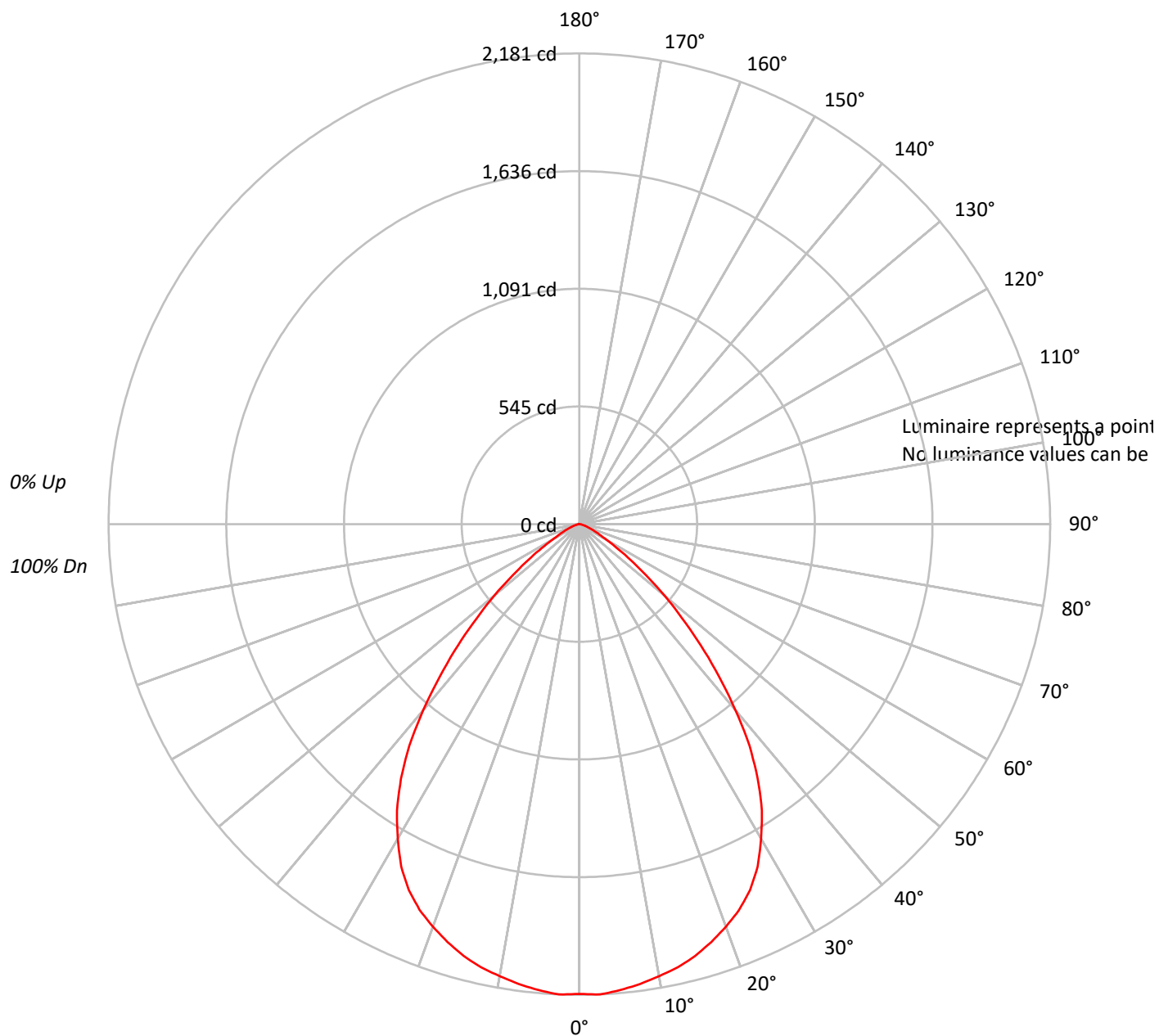
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P202771

CATALOG NUMBER: LD6B50D010TE EU6B30509730 6LBWH1

Luminous Intensity Polar Plot





TEST NUMBER: P202771

CATALOG NUMBER: LD6B50D010TE EU6B30509730 6LBWH1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	103	110	107	104	101	103	100	98		99	97	95		95
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88
3	98	90	84	79	96	89	83	78	86	81	77		83	79	76		81
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	75	68	63	84	74	68	63	72	66	62		71	65	61		69
6	80	69	62	57	78	68	61	56	67	61	56		65	60	56		64
7	75	64	56	51	73	63	56	51	62	55	51		60	55	51		59
8	70	59	52	47	69	58	51	47	57	51	46		56	50	46		55
9	66	55	48	43	65	54	47	43	53	47	43		52	47	42		51
10	62	51	44	40	61	50	44	39	50	43	39		49	43	39		48

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P202771

CATALOG NUMBER: LD6B50D010TE EU6B30509730 6LBWH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.6	5.8
10°-20°	583.4	16.5
20°-30°	855.3	24.2
30°-40°	890.2	25.2
40°-50°	615.9	17.5
50°-60°	268.1	7.6
60°-70°	82.2	2.3
70°-80°	24.7	0.7
80°-90°	3.7	0.1
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°	1644.3	46.6
0°-40°	2534.5	71.8
0°-60°	3418.6	96.9
0°-90°	3529.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3529.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2177	
5°	2168	206
15°	2072	583
25°	1870	855
35°	1440	890
45°	796	616
55°	288	268
65°	78	82
75°	23	25
85°	5	4
90°	0	



TEST NUMBER: P202771

CATALOG NUMBER: LD6B50D010TE EU6B30509730 6LBWH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	2176.8
2.5°	2181.3
5°	2167.6
7.5°	2149.3
10°	2126.4
12.5°	2103.6
15°	2071.6
17.5°	2030.4
20°	1984.7
22.5°	1934.4
25°	1870.4
27.5°	1788.0
30°	1682.9
32.5°	1573.1
35°	1440.5
37.5°	1294.2
40°	1125.0
42.5°	955.8
45°	795.7
47.5°	644.8
50°	512.2
52.5°	388.7
55°	288.1
57.5°	205.8
60°	141.8
62.5°	105.2
65°	77.7
67.5°	59.4
70°	41.2
72.5°	32.0
75°	22.9
77.5°	13.7
80°	9.1
82.5°	4.6
85°	4.6
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)