

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: P203601

Luminaire Tested: **LD6B60D010TE EU6B60709024 6LBMMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203601
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: LD6B60D010TE EU6B60709024 6LBMMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3461.0 lumens
Efficiency: N/A
Efficacy: 55.4 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

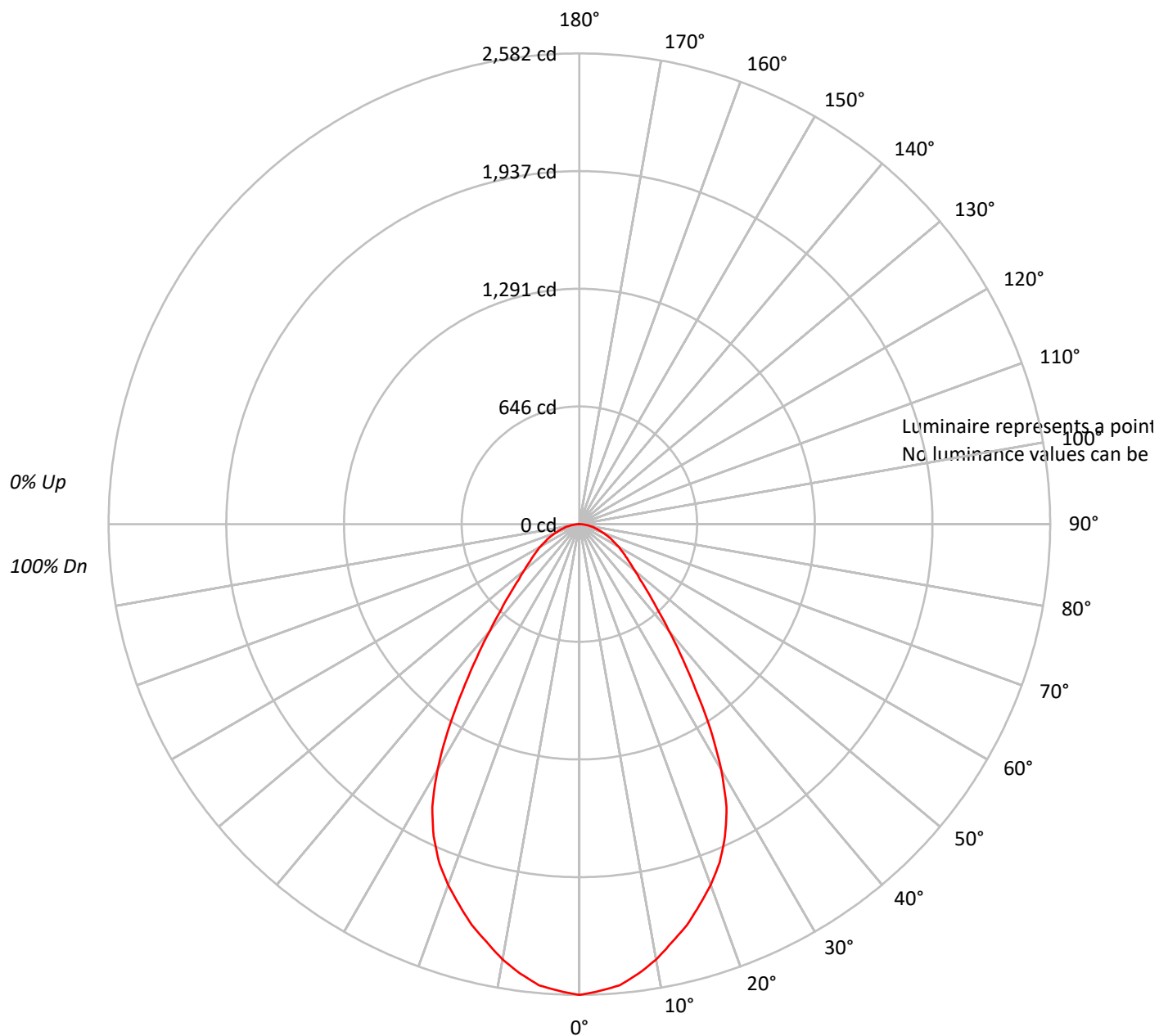
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203601

CATALOG NUMBER: LD6B60D010TE EU6B60709024 6LBMMW1

Luminous Intensity Polar Plot





TEST NUMBER: P203601

CATALOG NUMBER: LD6B60D010TE EU6B60709024 6LBMMW1

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	108	104	101		109	105	103	100		101	99	97		98	96	94		94	92	91
2	104	97	92	88		101	96	91	87		92	88	85		89	86	83		86	83	81
3	97	88	82	77		95	87	81	76		84	79	75		82	77	74		79	76	73
4	90	81	74	68		88	80	73	68		77	72	67		75	70	66		73	69	65
5	85	74	67	61		83	73	66	61		71	65	61		69	64	60		68	63	59
6	79	68	61	56		78	68	61	56		66	60	55		64	59	55		63	58	54
7	75	63	56	51		73	63	56	51		61	55	50		60	54	50		59	54	50
8	70	59	52	47		69	58	51	47		57	51	46		56	50	46		55	50	46
9	66	55	48	43		65	54	48	43		53	47	43		52	47	43		51	46	43
10	63	51	45	40		62	51	44	40		50	44	40		49	44	40		48	43	40

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203601

CATALOG NUMBER: LD6B60D010TE EU6B60709024 6LBMMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.5	6.9
10°-20°	639.0	18.5
20°-30°	858.0	24.8
30°-40°	703.8	20.3
40°-50°	422.6	12.2
50°-60°	280.9	8.1
60°-70°	188.2	5.4
70°-80°	101.3	2.9
80°-90°	28.6	0.8
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°	1735.5	50.1
0°-40°	2439.3	70.5
0°-60°	3142.8	90.8
0°-90°	3461.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3461.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2582	
5°	2539	239
15°	2277	639
25°	1890	858
35°	1117	704
45°	535	423
55°	310	281
65°	191	188
75°	96	101
85°	24	29
90°	0	



TEST NUMBER: P203601

CATALOG NUMBER: LD6B60D010TE EU6B60709024 6LBMMW1

CANDELA DISTRIBUTION (FULL):

	0°
0°	2582.4
2.5°	2563.3
5°	2539.4
7.5°	2486.9
10°	2424.9
12.5°	2348.5
15°	2276.9
17.5°	2191.0
20°	2105.1
22.5°	2009.6
25°	1890.3
27.5°	1747.1
30°	1556.1
32.5°	1341.3
35°	1117.0
37.5°	926.0
40°	763.7
42.5°	634.9
45°	534.6
47.5°	453.5
50°	396.2
52.5°	348.5
55°	310.3
57.5°	276.9
60°	248.2
62.5°	214.8
65°	190.9
67.5°	162.3
70°	138.4
72.5°	114.6
75°	95.5
77.5°	76.4
80°	57.3
82.5°	43.0
85°	23.9
87.5°	9.5
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)