

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: P203902

Luminaire Tested: **LD6B50D010TE EU6B30509050 6LBNGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203902
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 EU6B30509050 6LBNGPH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH GRAPHITE HAZE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2342.9 lumens
Efficiency: N/A
Efficacy: 39.9 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.88
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

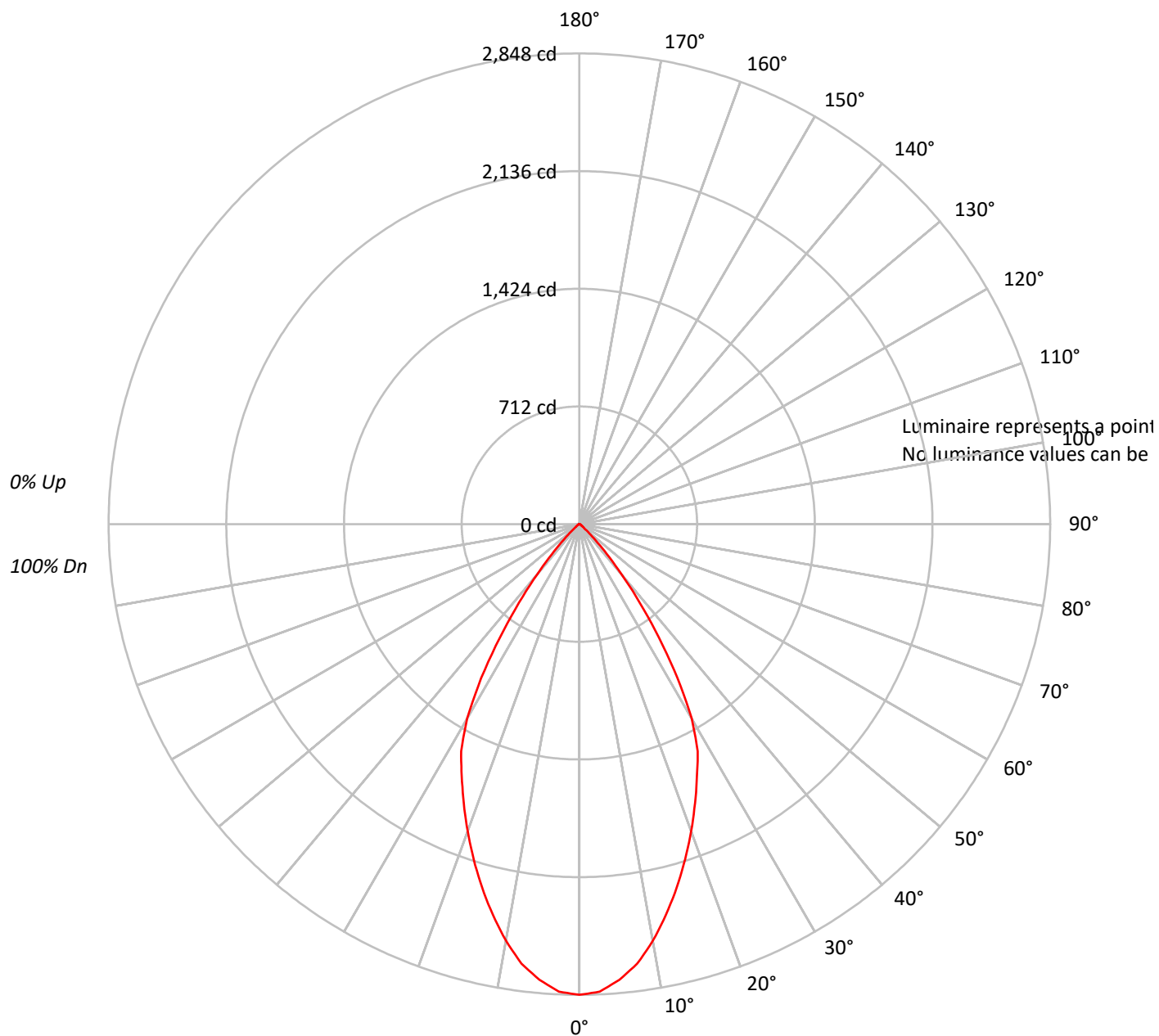
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203902

CATALOG NUMBER: LD6B50D010TE EU6B30509050 6LBNGPH1

Luminous Intensity Polar Plot





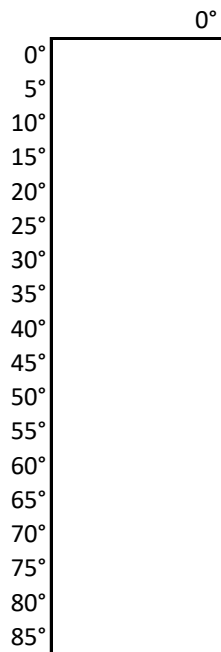
TEST NUMBER: P203902

CATALOG NUMBER: LD6B50D010TE EU6B30509050 6LBNGPH1

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	114	111	108	106	111	109	106	104		105	103	101			101	100	98			97
2	108	103	99	96	106	101	98	95		98	95	93			95	93	91			92
3	103	96	91	87	101	95	90	87		92	88	85			90	87	84			88
4	97	90	84	80	96	89	84	80		87	82	79			85	81	78			83
5	93	84	78	74	91	83	78	74		82	77	73			80	76	73			78
6	88	79	73	69	86	78	73	69		77	72	68			75	71	68			74
7	84	74	68	64	82	74	68	64		72	67	64			71	67	63			70
8	79	70	64	60	78	69	64	60		68	63	60			67	63	59			66
9	76	66	60	56	75	66	60	56		65	60	56			64	59	56			63
10	72	63	57	53	71	62	57	53		61	56	53			61	56	53			60

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203902

CATALOG NUMBER: LD6B50D010TE EU6B30509050 6LBNGPH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.8	11.0
10°-20°	635.8	27.1
20°-30°	770.4	32.9
30°-40°	525.0	22.4
40°-50°	125.0	5.3
50°-60°	19.6	0.8
60°-70°	7.2	0.3
70°-80°	2.1	0.1
80°-90°	0.0	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°	1664.0	71.0
0°-40°	2189.0	93.4
0°-60°	2333.6	99.6
0°-90°	2342.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2342.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2848	
5°	2768	258
15°	2276	636
25°	1683	770
35°	839	525
45°	134	125
55°	21	20
65°	5	7
75°	0	2
85°	0	0
90°	0	



TEST NUMBER: P203902

CATALOG NUMBER: LD6B50D010TE EU6B30509050 6LBNGPH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	2847.8
2.5°	2831.8
5°	2767.7
7.5°	2682.2
10°	2559.3
12.5°	2420.4
15°	2276.1
17.5°	2126.5
20°	1976.9
22.5°	1827.3
25°	1683.1
27.5°	1549.5
30°	1357.1
32.5°	1106.0
35°	838.9
37.5°	598.4
40°	395.4
42.5°	245.8
45°	133.6
47.5°	69.5
50°	37.4
52.5°	26.7
55°	21.4
57.5°	16.0
60°	10.7
62.5°	10.7
65°	5.3
67.5°	5.3
70°	5.3
72.5°	5.3
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)