

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: P203894

Luminaire Tested: **LD6B50D010TE EU6B30508035 6LBNGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203894
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 EU6B30508035 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: 2757.3 lumens
Efficiency: N/A
Efficacy: 46.9 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

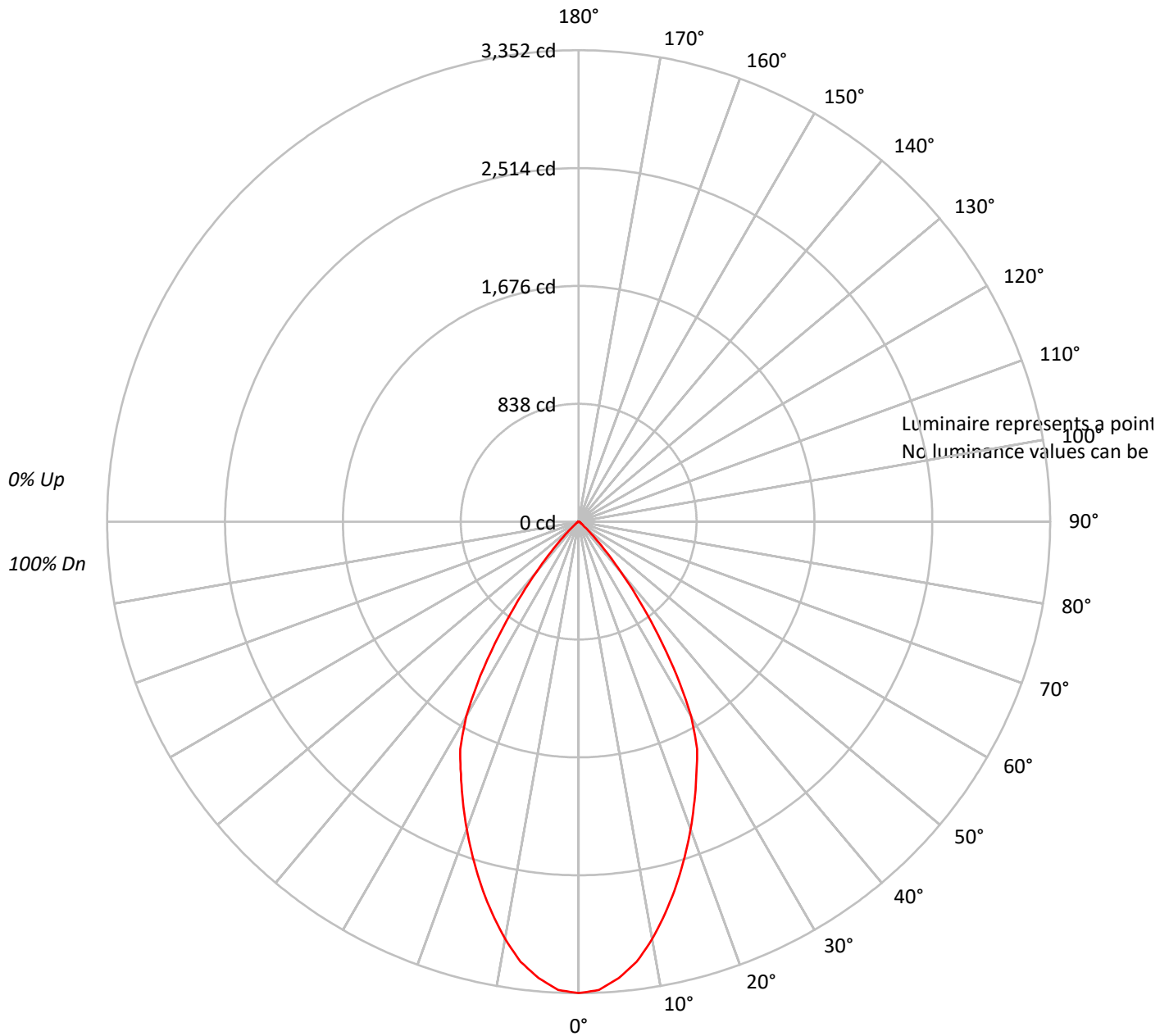
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203894

CATALOG NUMBER: LD6B50D010TE EU6B30508035 6LBNGPH1

Luminous Intensity Polar Plot





TEST NUMBER: P203894

CATALOG NUMBER: LD6B50D010TE EU6B30508035 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: P203894

CATALOG NUMBER: LD6B50D010TE EU6B30508035 6LBNGPH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.4	11.0
10°-20°	748.3	27.1
20°-30°	906.6	32.9
30°-40°	617.8	22.4
40°-50°	147.1	5.3
50°-60°	23.0	0.8
60°-70°	8.5	0.3
70°-80°	2.5	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°	1958.3	71.0
0°-40°	2576.1	93.4
0°-60°	2746.2	99.6
0°-90°	2757.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2757.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3352	
5°	3257	303
15°	2679	748
25°	1981	907
35°	987	618
45°	157	147
55°	25	23
65°	6	9
75°	0	2
85°	0	0
90°	0	



TEST NUMBER: P203894

CATALOG NUMBER: LD6B50D010TE EU6B30508035 6LBNGPH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	3351.5
2.5°	3332.6
5°	3257.2
7.5°	3156.6
10°	3011.9
12.5°	2848.4
15°	2678.7
17.5°	2502.6
20°	2326.5
22.5°	2150.5
25°	1980.7
27.5°	1823.5
30°	1597.1
32.5°	1301.6
35°	987.2
37.5°	704.3
40°	465.3
42.5°	289.2
45°	157.2
47.5°	81.7
50°	44.0
52.5°	31.4
55°	25.2
57.5°	18.9
60°	12.6
62.5°	12.6
65°	6.3
67.5°	6.3
70°	6.3
72.5°	6.3
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)