

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: P203697

Luminaire Tested: **LD6B50D010TE EU6B30509727 6LBNH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203697
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 EU6B30509727 6LBNH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW 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: 2401.4 lumens
Efficiency: N/A
Efficacy: 40.9 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

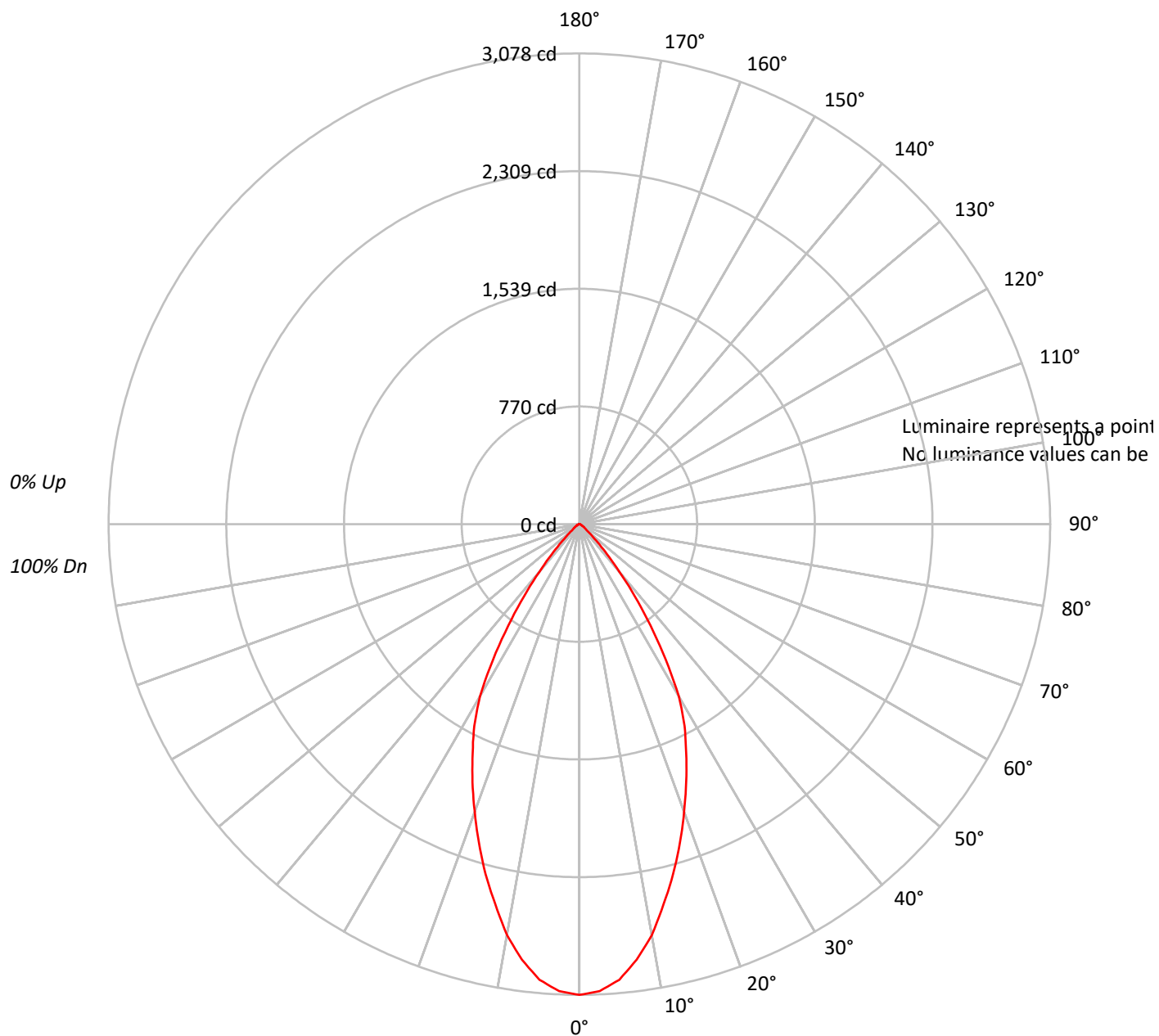
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203697

CATALOG NUMBER: LD6B50D010TE EU6B30509727 6LBNH1

Luminous Intensity Polar Plot





TEST NUMBER: P203697

CATALOG NUMBER: LD6B50D010TE EU6B30509727 6LBNH1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	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			100
1	113	111	108	106	111	109	106	104		104	103	101			101	99	98			93
2	108	103	99	96	106	101	98	94		98	95	92			95	93	90			87
3	102	96	91	87	100	95	90	86		92	88	85			90	86	84			81
4	97	90	84	80	95	89	83	79		86	82	78			84	81	78			75
5	92	84	78	74	91	83	78	73		81	76	73			80	75	72			70
6	88	79	73	69	86	78	72	68		77	72	68			75	71	67			65
7	83	74	68	64	82	73	68	64		72	67	63			71	66	63			61
8	79	70	64	60	78	69	64	60		68	63	59			67	63	59			58
9	76	66	60	56	75	66	60	56		65	59	56			64	59	56			54
10	72	62	57	53	71	62	57	53		61	56	53			60	56	52			51

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203697

CATALOG NUMBER: LD6B50D010TE EU6B30509727 6LBNH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.8	11.5
10°-20°	660.1	27.5
20°-30°	756.3	31.5
30°-40°	508.1	21.2
40°-50°	145.2	6.0
50°-60°	35.5	1.5
60°-70°	13.5	0.6
70°-80°	5.2	0.2
80°-90°	0.6	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°	1693.2	70.5
0°-40°	2201.4	91.7
0°-60°	2382.1	99.2
0°-90°	2401.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2401.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3078	
5°	2991	277
15°	2369	660
25°	1651	756
35°	810	508
45°	166	145
55°	39	36
65°	13	13
75°	4	5
85°	0	1
90°	0	



TEST NUMBER: P203697

CATALOG NUMBER: LD6B50D010TE EU6B30509727 6LBNH1

CANDELA DISTRIBUTION (FULL):

0°	
0°	3078.3
2.5°	3056.4
5°	2990.7
7.5°	2872.5
10°	2728.0
12.5°	2544.1
15°	2368.9
17.5°	2185.0
20°	2001.1
22.5°	1826.0
25°	1650.8
27.5°	1488.8
30°	1300.5
32.5°	1050.9
35°	810.1
37.5°	591.1
40°	407.2
42.5°	267.1
45°	166.4
47.5°	100.7
50°	61.3
52.5°	48.2
55°	39.4
57.5°	30.7
60°	21.9
62.5°	17.5
65°	13.1
67.5°	8.8
70°	8.8
72.5°	4.4
75°	4.4
77.5°	4.4
80°	4.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)