

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: P203767

Luminaire Tested: **LD6B30D010 EU6B30508050 6LBNWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203767
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: LD6B30D010 EU6B30508050 6LBNWH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH WHEAT TRIM
WATTAGE D010TR-27.4 W DE010-27.95 W D5LT-27.65 W DMX-27.73 W DL2-29.56 W
DL3-29.67 W DLE-29.73 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2060.9 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.64
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

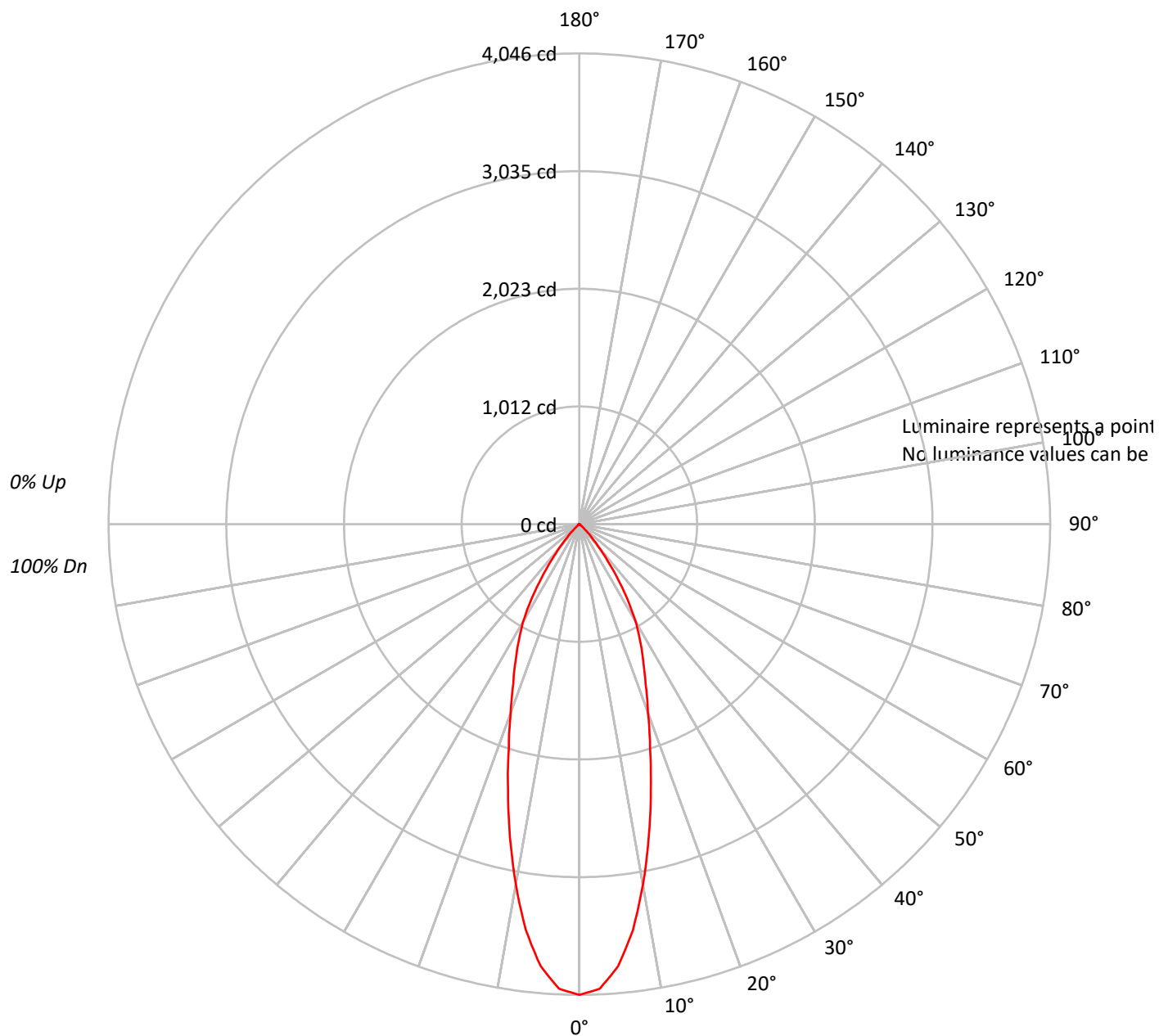
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203767

CATALOG NUMBER: LD6B30D010 EU6B30508050 6LBNWH1

Luminous Intensity Polar Plot





TEST NUMBER: P203767

CATALOG NUMBER: LD6B30D010 EU6B30508050 6LBNWH1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20							
RC	80				70				50				30				10				0			
RW	70	50	30	10	70	50	30	10	50	30	10	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	102	102	102	100						
1	114	111	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	94						
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89						
3	104	98	93	90	102	97	92	89	94	91	88	92	89	86	89	87	85	83						
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79						
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74						
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70						
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	67	66						
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63						
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60						
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57						

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203767

CATALOG NUMBER: LD6B30D010 EU6B30508050 6LBNWH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.5	16.6
10°-20°	658.2	31.9
20°-30°	598.3	29.0
30°-40°	362.7	17.6
40°-50°	82.6	4.0
50°-60°	10.5	0.5
60°-70°	4.7	0.2
70°-80°	1.4	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°	1599.0	77.6
0°-40°	1961.7	95.2
0°-60°	2054.8	99.7
0°-90°	2060.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2060.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4046	
5°	3815	343
15°	2370	658
25°	1297	598
35°	575	363
45°	91	83
55°	10	11
65°	4	5
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P203767

CATALOG NUMBER: LD6B30D010 EU6B30508050 6LBNWH1

CANDELA DISTRIBUTION (FULL):

0°	
0°	4046.2
2.5°	3997.1
5°	3814.8
7.5°	3520.2
10°	3145.1
12.5°	2755.9
15°	2370.2
17.5°	2019.6
20°	1725.1
22.5°	1486.6
25°	1297.3
27.5°	1129.0
30°	964.2
32.5°	771.4
35°	575.0
37.5°	403.2
40°	266.5
42.5°	164.8
45°	91.2
47.5°	42.1
50°	17.5
52.5°	14.0
55°	10.5
57.5°	10.5
60°	7.0
62.5°	7.0
65°	3.5
67.5°	3.5
70°	3.5
72.5°	3.5
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)