

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: P203662

Luminaire Tested: **LD6B30D010 EU6B30508035 6LBNH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203662
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 EU6B30508035 6LBNH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH SEMI-SPECULAR CLEAR 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: 1904.7 lumens
Efficiency: N/A
Efficacy: 68.0 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

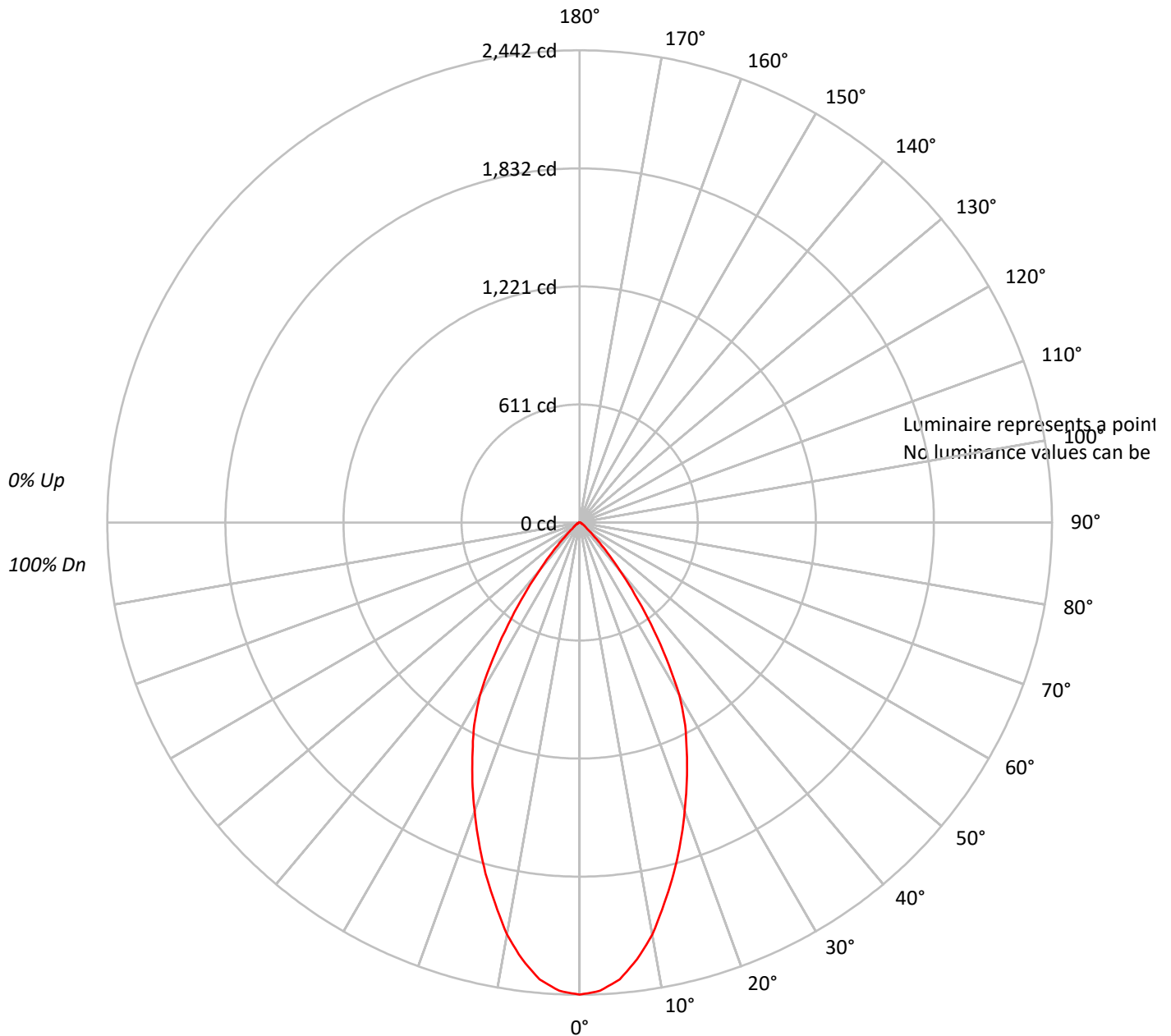
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203662

CATALOG NUMBER: LD6B30D010 EU6B30508035 6LBNH1

Luminous Intensity Polar Plot





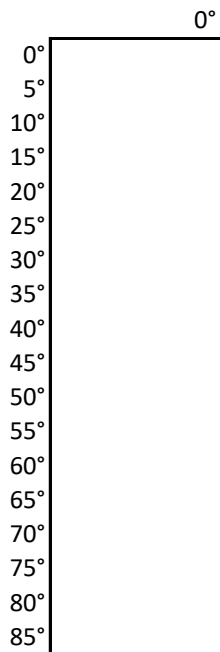
TEST NUMBER: P203662

CATALOG NUMBER: LD6B30D010 EU6B30508035 6LBNH1

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87		
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81		
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75		
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70		
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65		
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61		
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58		
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54		
10	72	62	57	53	71	62	57	53	61	56	53	60	56	52	60	55	52	51		

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203662

CATALOG NUMBER: LD6B30D010 EU6B30508035 6LBNH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.6	11.5
10°-20°	523.6	27.5
20°-30°	599.9	31.5
30°-40°	403.0	21.2
40°-50°	115.2	6.0
50°-60°	28.2	1.5
60°-70°	10.7	0.6
70°-80°	4.1	0.2
80°-90°	0.5	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°	1343.0	70.5
0°-40°	1746.1	91.7
0°-60°	1889.4	99.2
0°-90°	1904.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1904.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2442	
5°	2372	220
15°	1879	524
25°	1309	600
35°	642	403
45°	132	115
55°	31	28
65°	10	11
75°	4	4
85°	0	0
90°	0	



TEST NUMBER: P203662

CATALOG NUMBER: LD6B30D010 EU6B30508035 6LBNH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	2441.7
2.5°	2424.3
5°	2372.2
7.5°	2278.4
10°	2163.8
12.5°	2017.9
15°	1879.0
17.5°	1733.1
20°	1587.2
22.5°	1448.3
25°	1309.4
27.5°	1180.9
30°	1031.5
32.5°	833.6
35°	642.5
37.5°	468.9
40°	323.0
42.5°	211.9
45°	132.0
47.5°	79.9
50°	48.6
52.5°	38.2
55°	31.3
57.5°	24.3
60°	17.4
62.5°	13.9
65°	10.4
67.5°	6.9
70°	6.9
72.5°	3.5
75°	3.5
77.5°	3.5
80°	3.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)