

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: P205306

Luminaire Tested: **LD6B30D010 EU6B30508035 6LBNLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205306
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 6LBNLI1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH 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: 2407.8 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.58
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

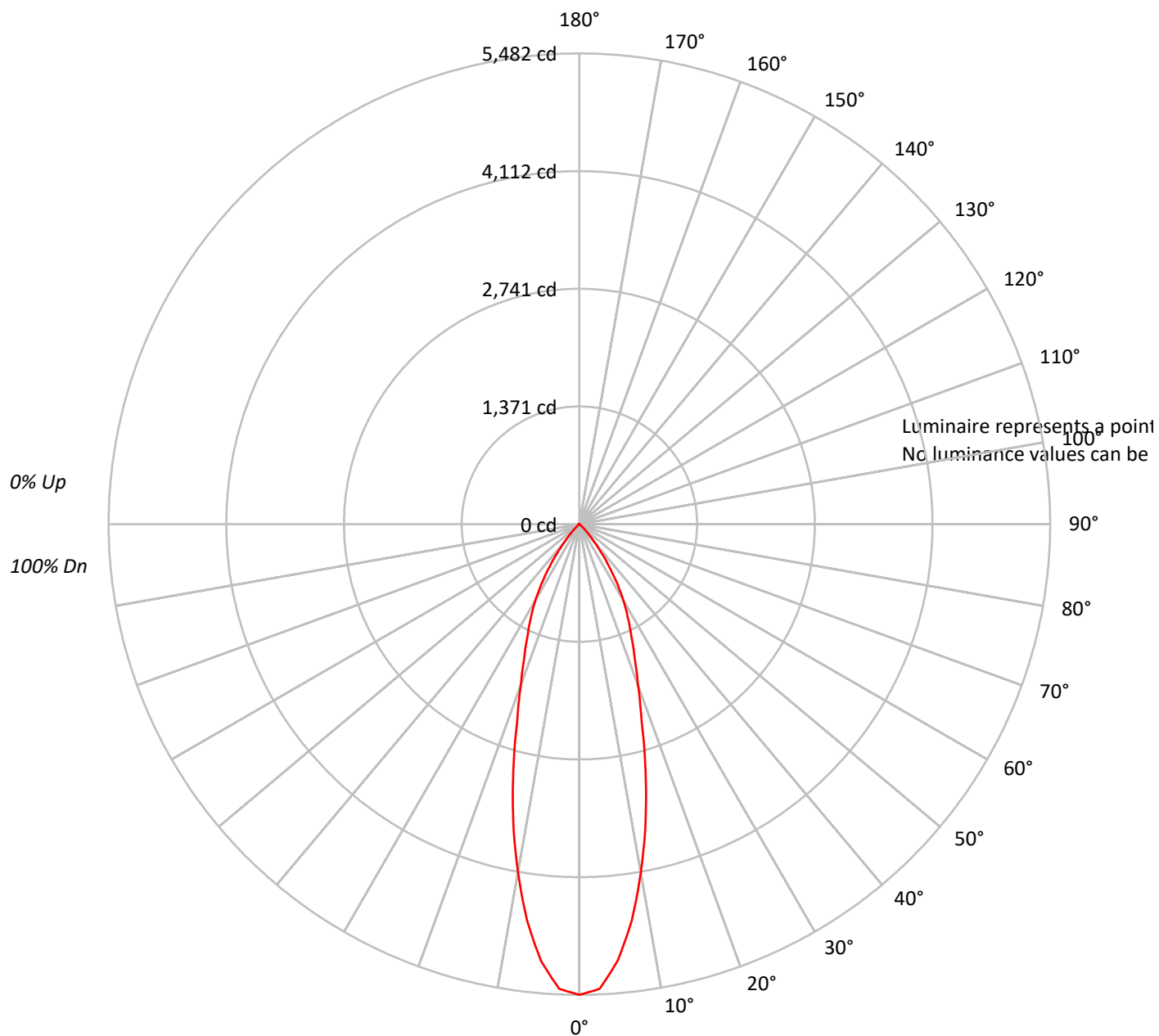
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P205306

CATALOG NUMBER: LD6B30D010 EU6B30508035 6LBNLI1

Luminous Intensity Polar Plot





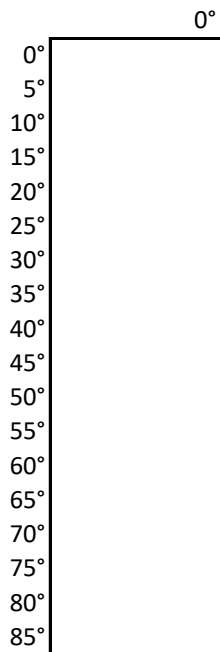
TEST NUMBER: P205306

CATALOG NUMBER: LD6B30D010 EU6B30508035 6LBNLI1

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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	112	109	107		112	109	107	106		105	104	102		102	101	99		98	97	96
2	109	105	101	98		107	103	100	97		100	97	95		97	95	93		94	93	91
3	105	99	94	91		103	97	93	90		95	91	89		93	90	87		90	88	86
4	100	93	88	85		98	92	88	84		90	86	83		88	85	82		86	84	81
5	96	88	83	79		94	87	83	79		86	82	78		84	81	78		83	80	77
6	92	84	79	75		90	83	78	75		82	77	74		80	76	74		79	76	73
7	88	80	74	71		87	79	74	71		78	73	70		77	73	70		76	72	69
8	84	76	71	67		83	75	70	67		74	70	67		73	69	66		73	69	66
9	81	73	67	64		80	72	67	64		71	67	63		70	66	63		70	66	63
10	78	69	64	61		77	69	64	61		68	64	61		67	63	60		67	63	60

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P205306

CATALOG NUMBER: LD6B30D010 EU6B30508035 6LBNLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	455.8	18.9
10°-20°	818.1	34.0
20°-30°	661.4	27.5
30°-40°	381.0	15.8
40°-50°	80.5	3.3
50°-60°	6.9	0.3
60°-70°	3.5	0.1
70°-80°	0.5	0.0
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°	1935.3	80.4
0°-40°	2316.4	96.2
0°-60°	2403.8	99.8
0°-90°	2407.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2407.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5482	
5°	5107	456
15°	2972	818
25°	1427	661
35°	604	381
45°	87	81
55°	7	7
65°	4	3
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P205306

CATALOG NUMBER: LD6B30D010 EU6B30508035 6LBNLI1

CANDELA DISTRIBUTION (FULL):

0°	
0°	5482.0
2.5°	5416.1
5°	5107.1
7.5°	4662.7
10°	4117.6
12.5°	3558.6
15°	2971.9
17.5°	2406.0
20°	1992.8
22.5°	1676.9
25°	1426.9
27.5°	1215.1
30°	1024.2
32.5°	812.4
35°	604.1
37.5°	420.1
40°	274.3
42.5°	166.6
45°	86.8
47.5°	34.7
50°	10.4
52.5°	10.4
55°	6.9
57.5°	6.9
60°	3.5
62.5°	3.5
65°	3.5
67.5°	3.5
70°	3.5
72.5°	0.0
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)