

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: P203872

Luminaire Tested: **LD6B30D010 EU6B30509027 6LBNGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203872
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 EU6B30509027 6LBNGPH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH GRAPHITE HAZE 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: 1220.8 lumens
Efficiency: N/A
Efficacy: 43.6 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

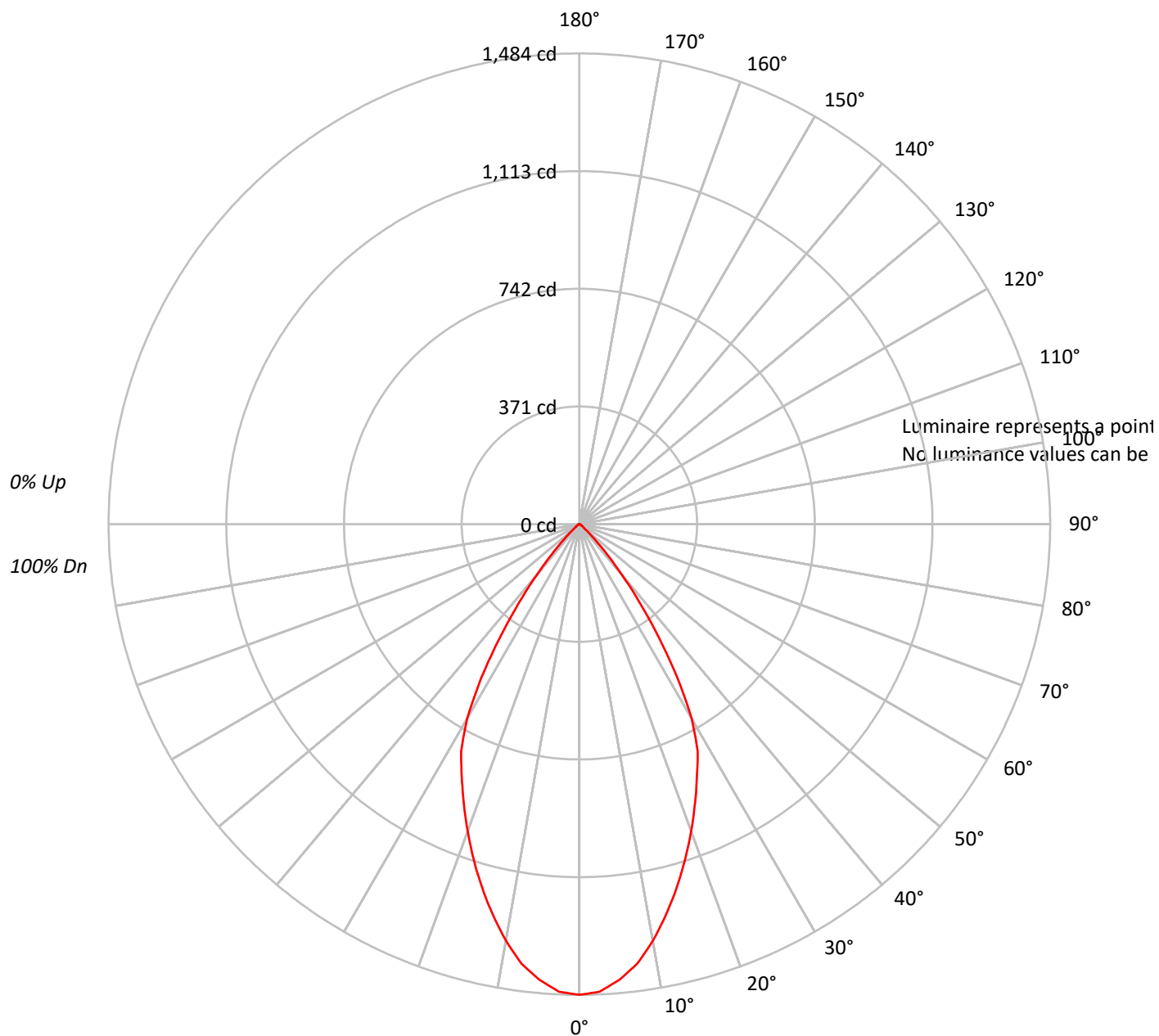
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	111	108	106		111	109	106	104		105	103	101		101	100	98		97	96	95
2	108	103	99	96		106	101	98	95		98	95	93		95	93	91		92	91	89
3	103	96	91	87		101	95	90	87		92	88	85		90	87	84		88	85	83
4	97	90	84	80		96	89	84	80		87	82	79		85	81	78		83	80	77
5	93	84	78	74		91	83	78	74		82	77	73		80	76	73		78	75	72
6	88	79	73	69		86	78	73	69		77	72	68		75	71	68		74	70	67
7	84	74	68	64		82	74	68	64		72	67	64		71	67	63		70	66	63
8	79	70	64	60		78	69	64	60		68	63	60		67	63	59		66	62	59
9	76	66	60	56		75	66	60	56		65	60	56		64	59	56		63	59	56
10	72	63	57	53		71	62	57	53		61	56	53		61	56	53		60	55	52

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.3	11.0
10°-20°	331.3	27.1
20°-30°	401.4	32.9
30°-40°	273.6	22.4
40°-50°	65.1	5.3
50°-60°	10.2	0.8
60°-70°	3.8	0.3
70°-80°	1.1	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°	867.1	71.0
0°-40°	1140.6	93.4
0°-60°	1216.0	99.6
0°-90°	1220.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1220.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1484	
5°	1442	134
15°	1186	331
25°	877	401
35°	437	274
45°	70	65
55°	11	10
65°	3	4
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1483.9
2.5°	1475.6
5°	1442.1
7.5°	1397.6
10°	1333.6
12.5°	1261.2
15°	1186.0
17.5°	1108.1
20°	1030.1
22.5°	952.1
25°	877.0
27.5°	807.4
30°	707.2
32.5°	576.3
35°	437.1
37.5°	311.8
40°	206.0
42.5°	128.1
45°	69.6
47.5°	36.2
50°	19.5
52.5°	13.9
55°	11.1
57.5°	8.4
60°	5.6
62.5°	5.6
65°	2.8
67.5°	2.8
70°	2.8
72.5°	2.8
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)