

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: P203763

Luminaire Tested: **LD6B30D010 EU6B30508027 6LBNWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203763
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 EU6B30508027 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: 1904.3 lumens
Efficiency: N/A
Efficacy: 68.0 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

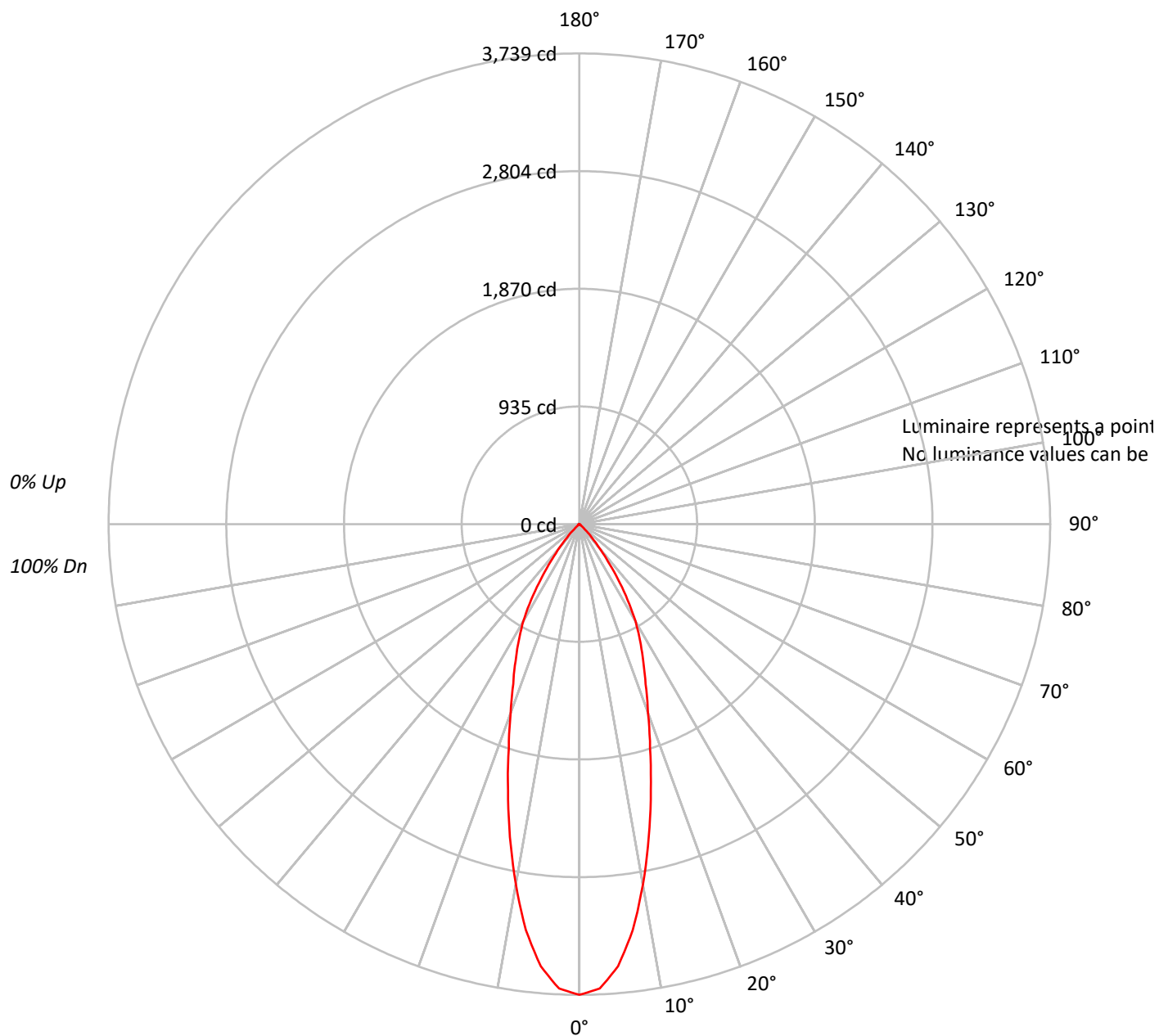
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	107	112	109	107	105	105	104	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94
3	104	98	93	90	102	97	92	89	94	91	88		92	89	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	77	84	80	77		83	79	76		81
6	91	82	77	73	89	82	76	73	80	76	72		79	75	72		78
7	87	78	73	69	85	77	72	69	76	72	68		75	71	68		74
8	83	74	69	65	82	74	68	65	73	68	65		72	67	64		71
9	79	71	65	62	78	70	65	61	69	65	61		68	64	61		68
10	76	67	62	58	75	67	62	58	66	61	58		65	61	58		65

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.5	16.6
10°-20°	608.1	31.9
20°-30°	552.9	29.0
30°-40°	335.1	17.6
40°-50°	76.3	4.0
50°-60°	9.7	0.5
60°-70°	4.4	0.2
70°-80°	1.3	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°	1477.5	77.6
0°-40°	1812.6	95.2
0°-60°	1898.6	99.7
0°-90°	1904.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1904.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3739	
5°	3525	316
15°	2190	608
25°	1199	553
35°	531	335
45°	84	76
55°	10	10
65°	3	4
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3738.7
2.5°	3693.3
5°	3524.9
7.5°	3252.7
10°	2906.1
12.5°	2546.5
15°	2190.1
17.5°	1866.1
20°	1594.0
22.5°	1373.7
25°	1198.7
27.5°	1043.2
30°	890.9
32.5°	712.8
35°	531.3
37.5°	372.6
40°	246.2
42.5°	152.3
45°	84.2
47.5°	38.9
50°	16.2
52.5°	13.0
55°	9.7
57.5°	9.7
60°	6.5
62.5°	6.5
65°	3.2
67.5°	3.2
70°	3.2
72.5°	3.2
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)