

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: P202641

Luminaire Tested: **LD6B30D010 EU6B30509727 6LBMWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202641
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 EU6B30509727 6LBMWMH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH WARM 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: 1655.6 lumens
Efficiency: N/A
Efficacy: 59.1 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.89
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

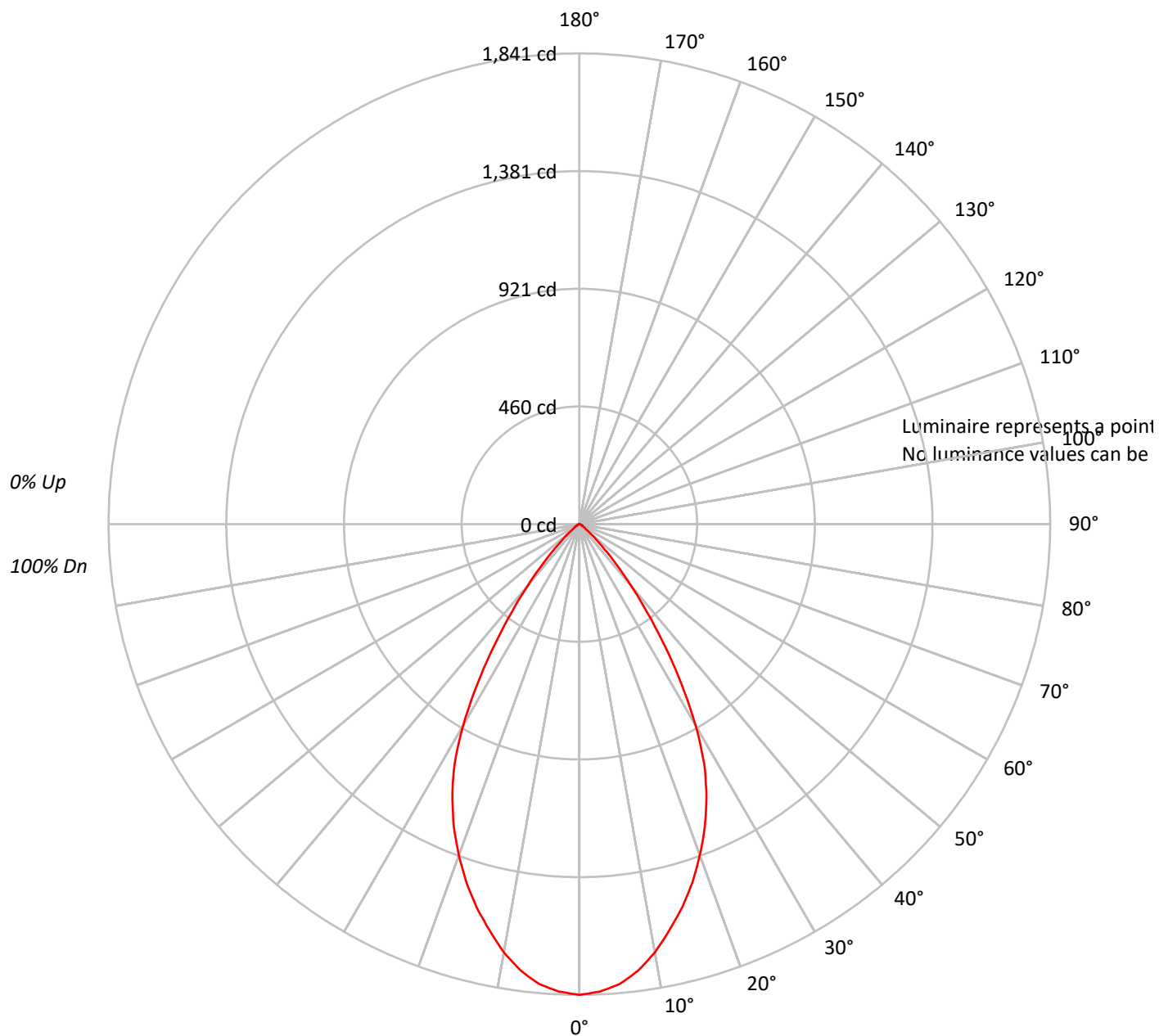
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	111	108	106		111	108	106	104		104	103	101			101	99	98			97
2	108	103	99	95		105	101	97	94		98	95	92			95	92	90			92
3	102	95	90	86		100	94	89	86		91	88	84			89	86	83			87
4	97	89	83	79		95	88	83	79		86	81	78			84	80	77			82
5	92	83	77	73		90	82	77	73		80	76	72			79	75	71			77
6	87	78	72	67		85	77	71	67		76	71	67			74	70	66			73
7	83	73	67	63		81	72	67	63		71	66	62			70	65	62			69
8	78	69	63	58		77	68	62	58		67	62	58			66	61	58			65
9	75	65	59	55		73	64	59	55		63	58	54			62	58	54			62
10	71	61	55	51		70	61	55	51		60	55	51			59	54	51			58

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.0	10.2
10°-20°	433.8	26.2
20°-30°	532.8	32.2
30°-40°	365.3	22.1
40°-50°	117.4	7.1
50°-60°	23.8	1.4
60°-70°	9.3	0.6
70°-80°	3.5	0.2
80°-90°	0.6	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°	1135.6	68.6
0°-40°	1500.9	90.7
0°-60°	1642.2	99.2
0°-90°	1655.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1655.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1841	
5°	1806	169
15°	1552	434
25°	1176	533
35°	583	365
45°	139	117
55°	24	24
65°	10	9
75°	3	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1841.2
2.5°	1829.9
5°	1806.1
7.5°	1761.1
10°	1700.7
12.5°	1626.3
15°	1551.9
17.5°	1469.0
20°	1377.7
22.5°	1282.2
25°	1175.5
27.5°	1057.5
30°	908.6
32.5°	744.3
35°	582.8
37.5°	435.4
40°	313.2
42.5°	213.5
45°	139.0
47.5°	85.7
50°	52.0
52.5°	32.3
55°	23.9
57.5°	18.3
60°	14.0
62.5°	11.2
65°	9.8
67.5°	7.0
70°	5.6
72.5°	4.2
75°	2.8
77.5°	2.8
80°	1.4
82.5°	1.4
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)