

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: P205315

Luminaire Tested: **LD6B30D010 EU6B30509727 6LBNLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205315
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 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: 1677.9 lumens
Efficiency: N/A
Efficacy: 59.9 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

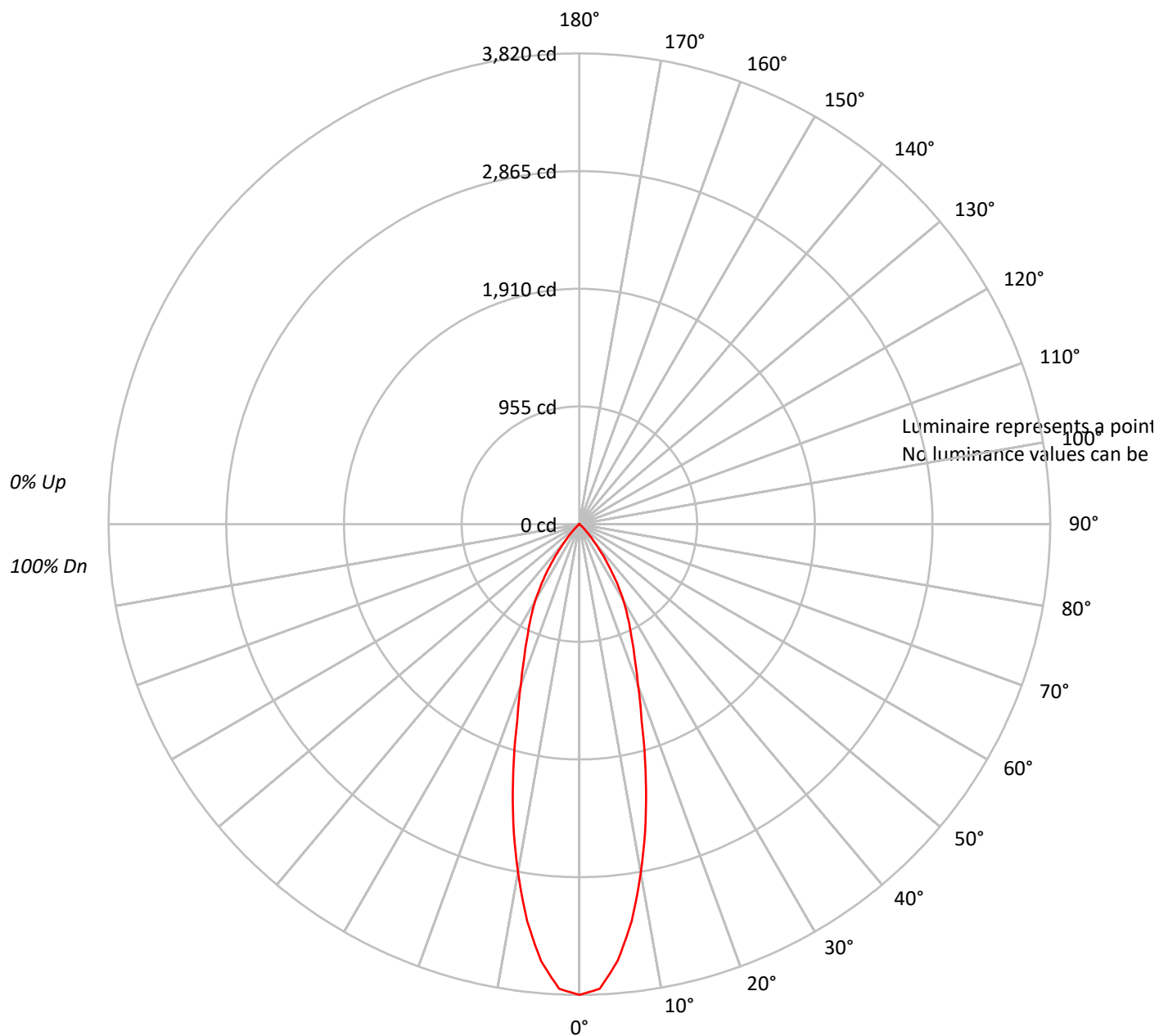
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.6	18.9
10°-20°	570.1	34.0
20°-30°	461.0	27.5
30°-40°	265.6	15.8
40°-50°	56.1	3.3
50°-60°	4.8	0.3
60°-70°	2.4	0.1
70°-80°	0.3	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°	1348.7	80.4
0°-40°	1614.3	96.2
0°-60°	1675.3	99.8
0°-90°	1677.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1677.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3820	
5°	3559	318
15°	2071	570
25°	994	461
35°	421	266
45°	60	56
55°	5	5
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3820.4
2.5°	3774.5
5°	3559.1
7.5°	3249.4
10°	2869.6
12.5°	2480.0
15°	2071.1
17.5°	1676.7
20°	1388.8
22.5°	1168.6
25°	994.4
27.5°	846.8
30°	713.8
32.5°	566.2
35°	421.0
37.5°	292.8
40°	191.1
42.5°	116.1
45°	60.5
47.5°	24.2
50°	7.3
52.5°	7.3
55°	4.8
57.5°	4.8
60°	2.4
62.5°	2.4
65°	2.4
67.5°	2.4
70°	2.4
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



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— 0°-180°







(END OF REPORT)