

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: P203359

Luminaire Tested: **LD6B30D010 EU6B30509035 6LBMWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203359
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 EU6B30509035 6LBMWH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM 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: 2020.7 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

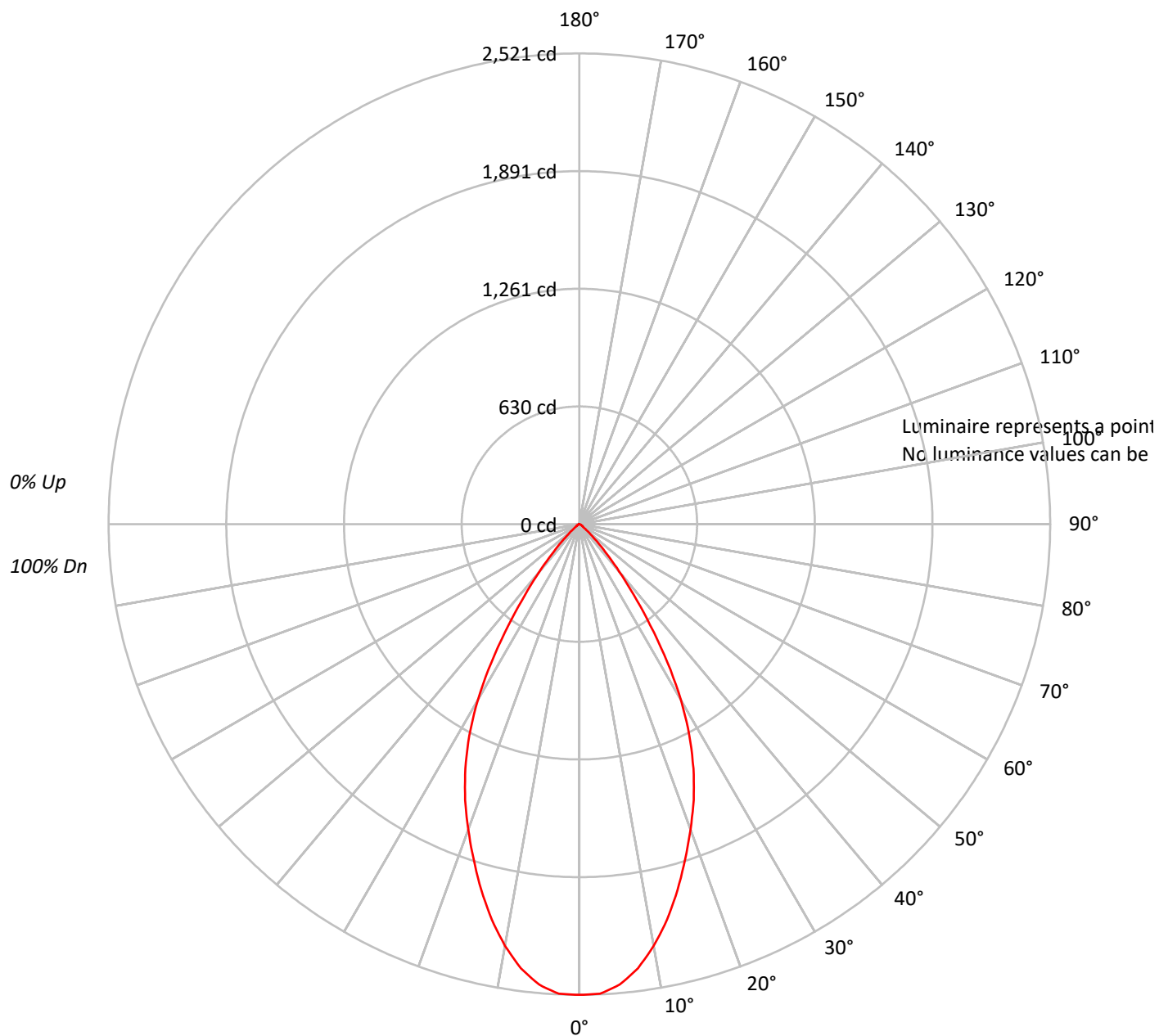
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	85	80		96	89	84	80		87	82	79		85	81	78		83	80	77
5	93	84	79	74		91	83	78	74		82	77	73		80	76	73		78	75	72
6	88	79	73	69		87	78	73	69		77	72	68		76	71	68		74	70	67
7	84	75	69	64		82	74	68	64		73	68	64		71	67	64		70	66	63
8	80	70	64	60		78	70	64	60		69	64	60		68	63	60		67	62	59
9	76	66	61	57		75	66	60	57		65	60	56		64	59	56		63	59	56
10	72	63	57	53		71	62	57	53		62	57	53		61	56	53		60	56	53

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.5	11.4
10°-20°	565.8	28.0
20°-30°	654.6	32.4
30°-40°	418.4	20.7
40°-50°	118.6	5.9
50°-60°	21.2	1.0
60°-70°	8.6	0.4
70°-80°	2.9	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°	1450.8	71.8
0°-40°	1869.3	92.5
0°-60°	2009.1	99.4
0°-90°	2020.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2020.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2521	
5°	2476	230
15°	2029	566
25°	1444	655
35°	660	418
45°	138	119
55°	20	21
65°	8	9
75°	3	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2520.8
2.5°	2518.0
5°	2475.9
7.5°	2400.0
10°	2293.2
12.5°	2169.6
15°	2029.0
17.5°	1882.9
20°	1739.6
22.5°	1599.1
25°	1444.5
27.5°	1275.9
30°	1087.6
32.5°	876.8
35°	660.4
37.5°	477.8
40°	331.6
42.5°	219.2
45°	137.7
47.5°	81.5
50°	47.8
52.5°	28.1
55°	19.7
57.5°	16.9
60°	14.1
62.5°	11.2
65°	8.4
67.5°	5.6
70°	5.6
72.5°	2.8
75°	2.8
77.5°	2.8
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)