

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: P203564

Luminaire Tested: **LD6B30D010 EU6B30509030 6LBMMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203564
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 EU6B30509030 6LBMMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH MATTE WHITE 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: 2024.0 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

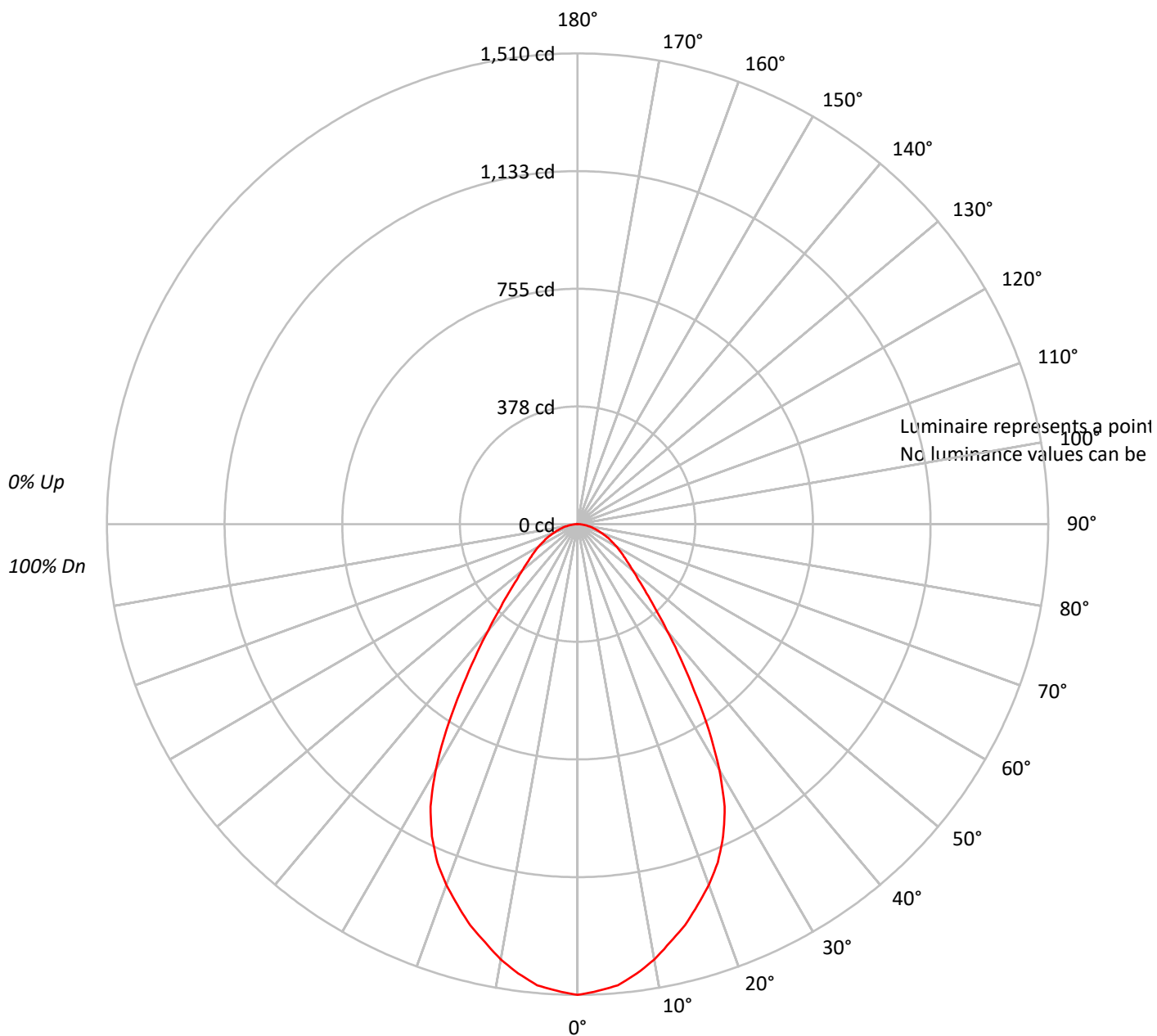
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				0			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89						
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79						
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71						
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64						
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58						
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53						
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48						
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44						
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41						
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38						

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.5	6.9
10°-20°	373.7	18.5
20°-30°	501.7	24.8
30°-40°	411.6	20.3
40°-50°	247.2	12.2
50°-60°	164.2	8.1
60°-70°	110.1	5.4
70°-80°	59.3	2.9
80°-90°	16.7	0.8
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°	1014.9	50.1
0°-40°	1426.5	70.5
0°-60°	1837.9	90.8
0°-90°	2024.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2024.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1510	
5°	1485	140
15°	1332	374
25°	1105	502
35°	653	412
45°	313	247
55°	181	164
65°	112	110
75°	56	59
85°	14	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1510.2
2.5°	1499.0
5°	1485.1
7.5°	1454.4
10°	1418.1
12.5°	1373.4
15°	1331.5
17.5°	1281.3
20°	1231.0
22.5°	1175.2
25°	1105.4
27.5°	1021.7
30°	910.0
32.5°	784.4
35°	653.2
37.5°	541.5
40°	446.6
42.5°	371.3
45°	312.6
47.5°	265.2
50°	231.7
52.5°	203.8
55°	181.4
57.5°	161.9
60°	145.2
62.5°	125.6
65°	111.7
67.5°	94.9
70°	81.0
72.5°	67.0
75°	55.8
77.5°	44.7
80°	33.5
82.5°	25.1
85°	14.0
87.5°	5.6
90°	0.0



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— 0°-180°







(END OF REPORT)