

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: P203562

Luminaire Tested: **LD6B30D010 EU6B30509024 6LBMMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203562
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 EU6B30509024 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: 1712.5 lumens
Efficiency: N/A
Efficacy: 61.2 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

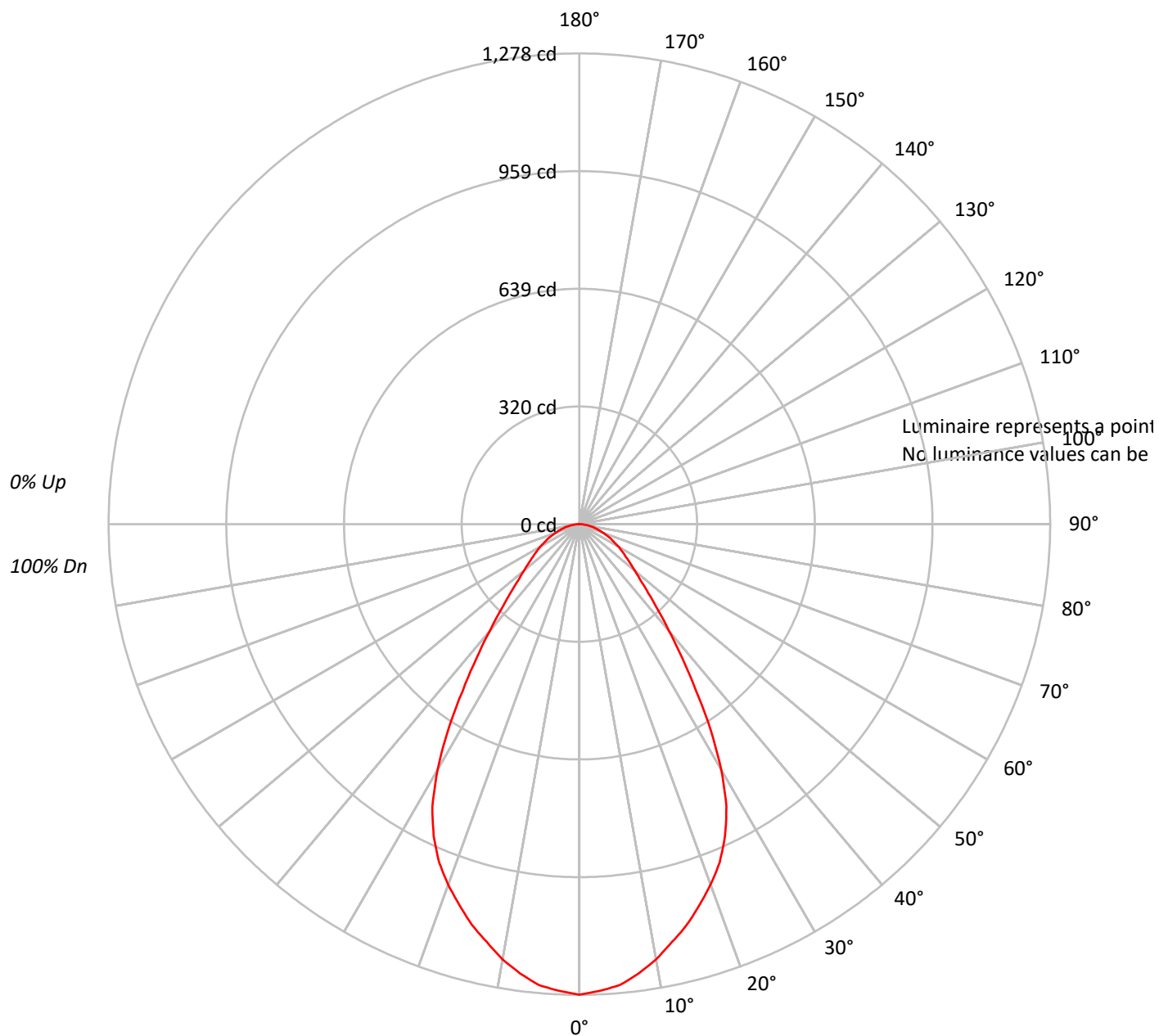
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				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°	118.0	6.9
10°-20°	316.2	18.5
20°-30°	424.5	24.8
30°-40°	348.2	20.3
40°-50°	209.1	12.2
50°-60°	139.0	8.1
60°-70°	93.2	5.4
70°-80°	50.1	2.9
80°-90°	14.1	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°	858.8	50.1
0°-40°	1207.0	70.5
0°-60°	1555.1	90.8
0°-90°	1712.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1712.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1278	
5°	1257	118
15°	1127	316
25°	935	425
35°	553	348
45°	264	209
55°	154	139
65°	94	93
75°	47	50
85°	12	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1277.8
2.5°	1268.4
5°	1256.6
7.5°	1230.6
10°	1199.9
12.5°	1162.1
15°	1126.6
17.5°	1084.1
20°	1041.6
22.5°	994.4
25°	935.3
27.5°	864.5
30°	770.0
32.5°	663.7
35°	552.7
37.5°	458.2
40°	377.9
42.5°	314.1
45°	264.5
47.5°	224.4
50°	196.0
52.5°	172.4
55°	153.5
57.5°	137.0
60°	122.8
62.5°	106.3
65°	94.5
67.5°	80.3
70°	68.5
72.5°	56.7
75°	47.2
77.5°	37.8
80°	28.3
82.5°	21.3
85°	11.8
87.5°	4.7
90°	0.0



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— 0°-180°







(END OF REPORT)