

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: P202665

Luminaire Tested: **LD6B50D010TE EU6B30509040 6LBMWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202665
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: LD6B50D010TE EU6B30509040 6LBMWMH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH WARM HAZE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3638.6 lumens
Efficiency: N/A
Efficacy: 61.9 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

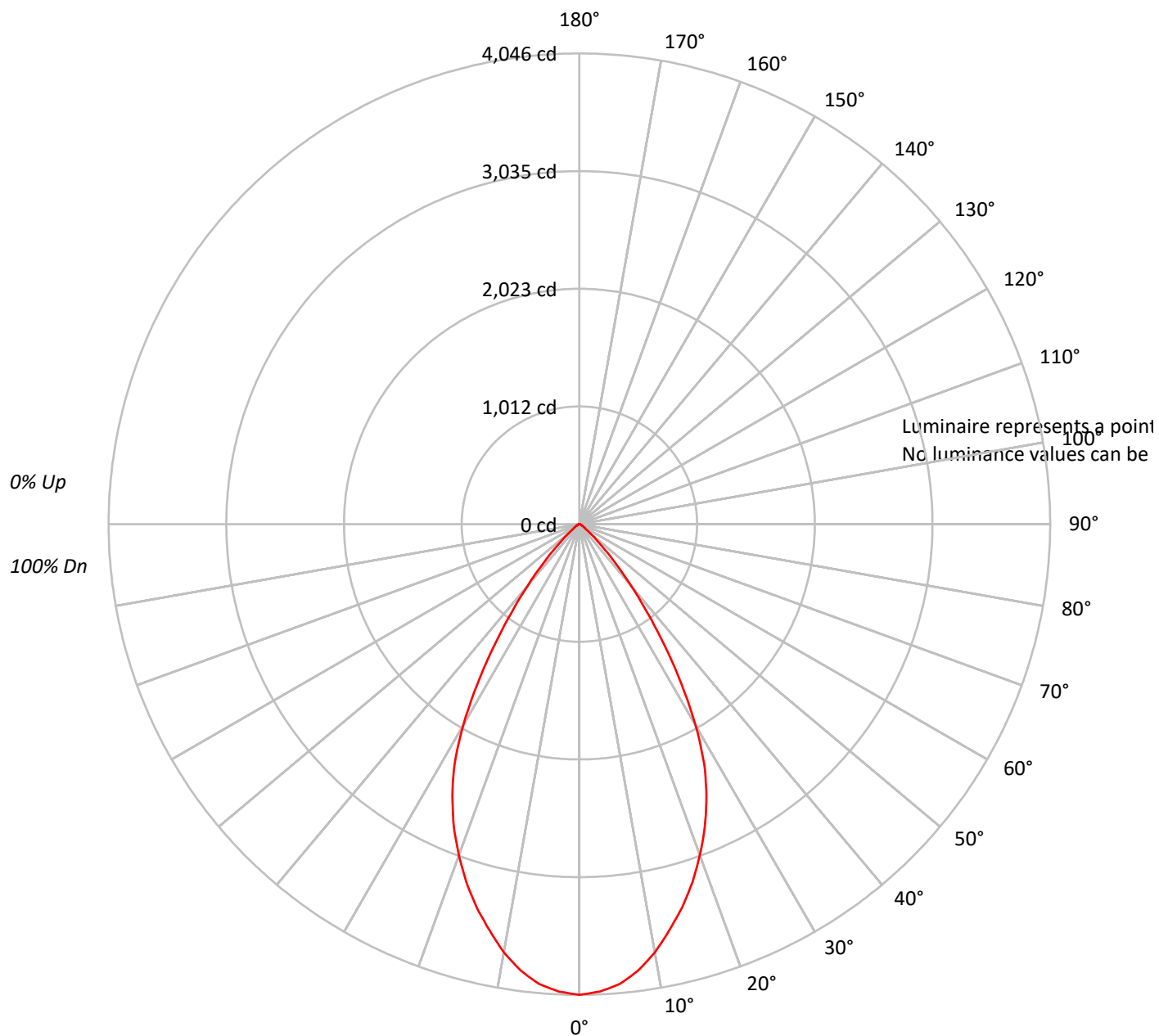
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	371.4	10.2
10°-20°	953.3	26.2
20°-30°	1171.0	32.2
30°-40°	802.9	22.1
40°-50°	258.1	7.1
50°-60°	52.3	1.4
60°-70°	20.6	0.6
70°-80°	7.7	0.2
80°-90°	1.3	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°	2495.7	68.6
0°-40°	3298.6	90.7
0°-60°	3609.0	99.2
0°-90°	3638.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3638.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4046	
5°	3969	371
15°	3410	953
25°	2583	1171
35°	1281	803
45°	306	258
55°	52	52
65°	22	21
75°	6	8
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4046.3
2.5°	4021.7
5°	3969.2
7.5°	3870.4
10°	3737.7
12.5°	3574.1
15°	3410.5
17.5°	3228.4
20°	3027.8
22.5°	2817.9
25°	2583.4
27.5°	2324.1
30°	1996.9
32.5°	1635.8
35°	1280.9
37.5°	956.8
40°	688.3
42.5°	469.1
45°	305.6
47.5°	188.3
50°	114.2
52.5°	71.0
55°	52.5
57.5°	40.1
60°	30.9
62.5°	24.7
65°	21.6
67.5°	15.4
70°	12.3
72.5°	9.3
75°	6.2
77.5°	6.2
80°	3.1
82.5°	3.1
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)