

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: P205443

Luminaire Tested: **LD6B50D010TE EU6B30509727 6LBSLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205443
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 EU6B30509727 6LBSLI1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SPECULAR CLEAR TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4116.0 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

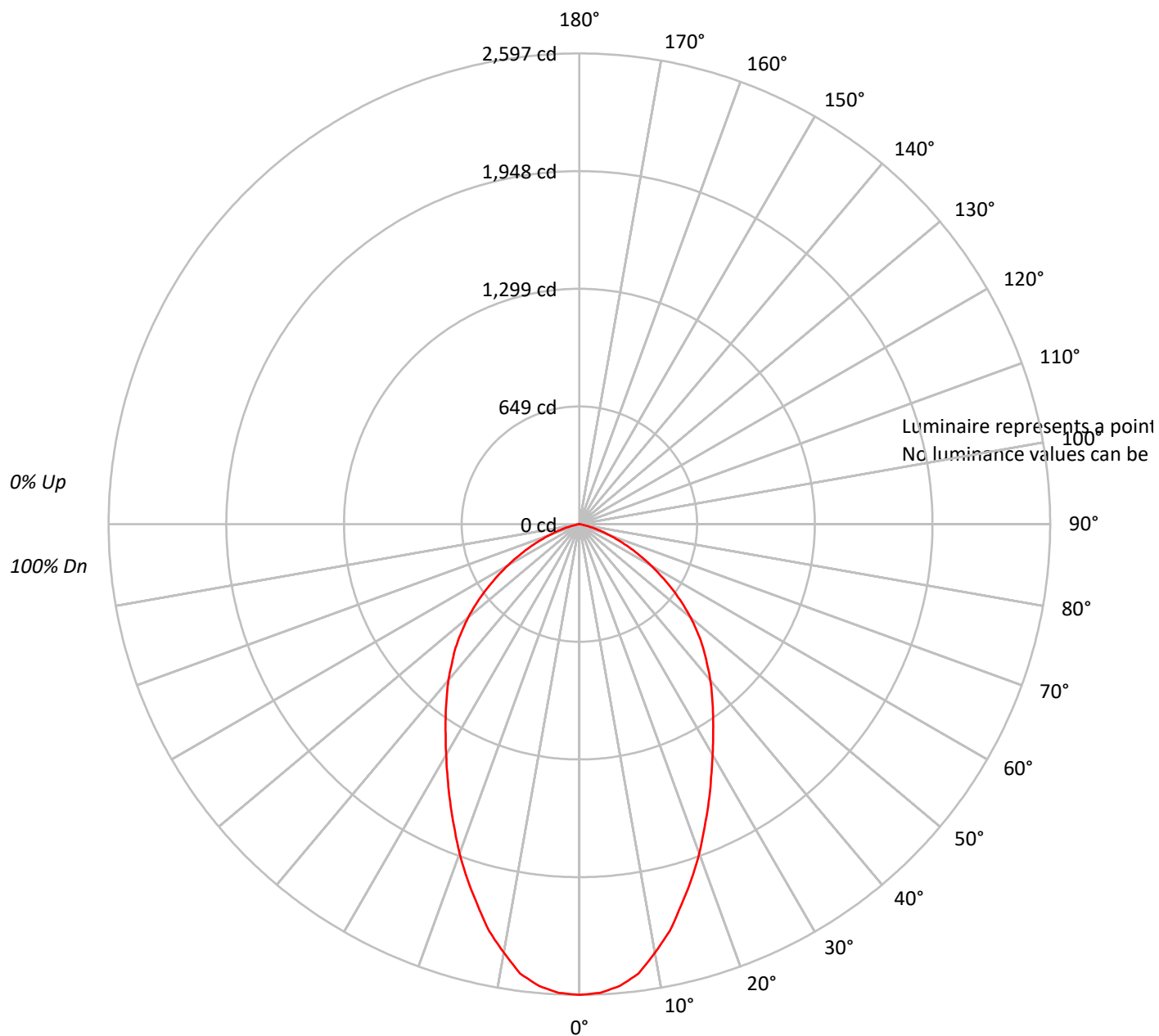
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	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			100
1	111	107	104	101	109	105	102	99		101	99	96			97	95	93			89
2	103	96	91	86	100	94	89	85		91	87	83			88	84	81			77
3	95	86	79	74	93	85	78	73		82	76	72			79	75	71			68
4	88	78	70	64	86	77	69	64		74	68	63			72	67	62			60
5	82	71	63	57	80	70	62	57		67	61	56			66	60	55			53
6	76	64	56	51	74	63	56	51		62	55	50			60	54	50			47
7	71	59	51	46	70	58	51	45		57	50	45			55	49	45			43
8	67	54	47	41	65	54	46	41		52	46	41			51	45	41			39
9	63	50	43	38	61	50	43	38		49	42	38			48	42	37			36
10	59	47	40	35	58	46	39	35		45	39	35			45	39	34			33

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.3	5.8
10°-20°	609.3	14.8
20°-30°	777.0	18.9
30°-40°	805.8	19.6
40°-50°	742.5	18.0
50°-60°	558.5	13.6
60°-70°	301.5	7.3
70°-80°	80.9	2.0
80°-90°	1.2	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°	1625.7	39.5
0°-40°	2431.5	59.1
0°-60°	3732.5	90.7
0°-90°	4116.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4116.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2597	
5°	2558	239
15°	2173	609
25°	1688	777
35°	1286	806
45°	966	742
55°	625	559
65°	302	301
75°	70	81
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2597.4
2.5°	2588.6
5°	2558.0
7.5°	2501.2
10°	2400.6
12.5°	2300.1
15°	2173.2
17.5°	2055.2
20°	1932.7
22.5°	1805.9
25°	1687.9
27.5°	1574.2
30°	1469.2
32.5°	1373.0
35°	1285.6
37.5°	1202.5
40°	1123.8
42.5°	1040.7
45°	966.4
47.5°	883.3
50°	800.2
52.5°	712.8
55°	625.3
57.5°	537.8
60°	454.8
62.5°	376.1
65°	301.7
67.5°	231.8
70°	170.5
72.5°	118.1
75°	70.0
77.5°	30.6
80°	8.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)