

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: P202668

Luminaire Tested: **LD6B50D010TE EU6B30509730 6LBMWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202668
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 EU6B30509730 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: 3130.3 lumens
Efficiency: N/A
Efficacy: 53.3 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

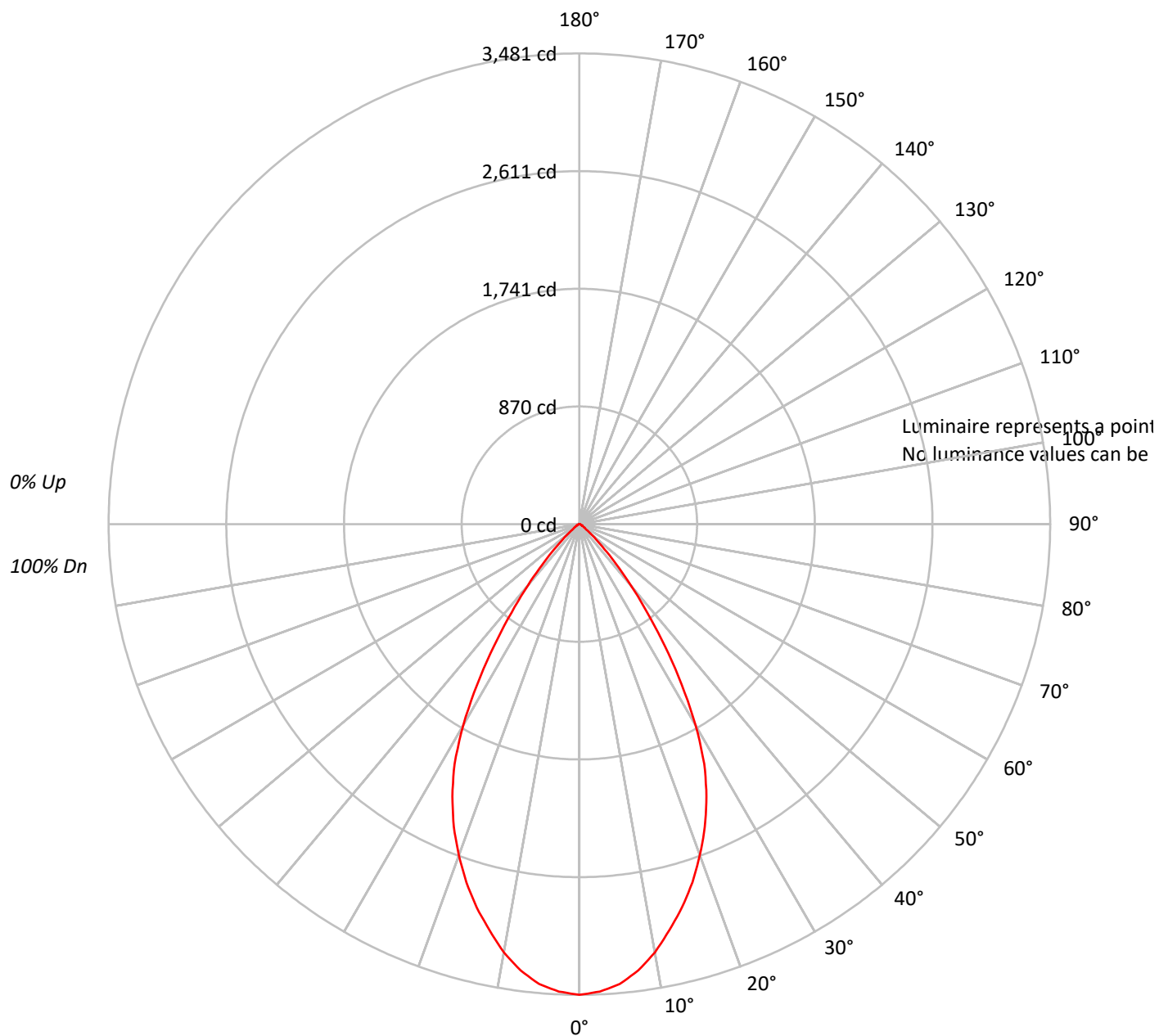
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





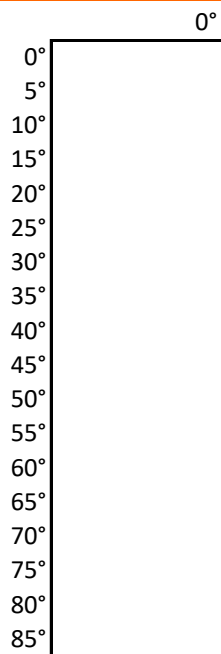
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					10
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°	319.5	10.2
10°-20°	820.2	26.2
20°-30°	1007.4	32.2
30°-40°	690.8	22.1
40°-50°	222.0	7.1
50°-60°	45.0	1.4
60°-70°	17.7	0.6
70°-80°	6.7	0.2
80°-90°	1.1	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°	2147.1	68.6
0°-40°	2837.8	90.7
0°-60°	3104.9	99.2
0°-90°	3130.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3130.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3481	
5°	3415	320
15°	2934	820
25°	2222	1007
35°	1102	691
45°	263	222
55°	45	45
65°	19	18
75°	5	7
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3481.1
2.5°	3459.9
5°	3414.7
7.5°	3329.8
10°	3215.6
12.5°	3074.8
15°	2934.1
17.5°	2777.5
20°	2604.9
22.5°	2424.3
25°	2222.5
27.5°	1999.4
30°	1718.0
32.5°	1407.3
35°	1102.0
37.5°	823.1
40°	592.1
42.5°	403.6
45°	262.9
47.5°	162.0
50°	98.2
52.5°	61.1
55°	45.1
57.5°	34.5
60°	26.6
62.5°	21.2
65°	18.6
67.5°	13.3
70°	10.6
72.5°	8.0
75°	5.3
77.5°	5.3
80°	2.7
82.5°	2.7
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)