

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: P202663

Luminaire Tested: **LD6B50D010TE EU6B30509030 6LBMWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202663
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 EU6B30509030 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: 3581.1 lumens
Efficiency: N/A
Efficacy: 60.9 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

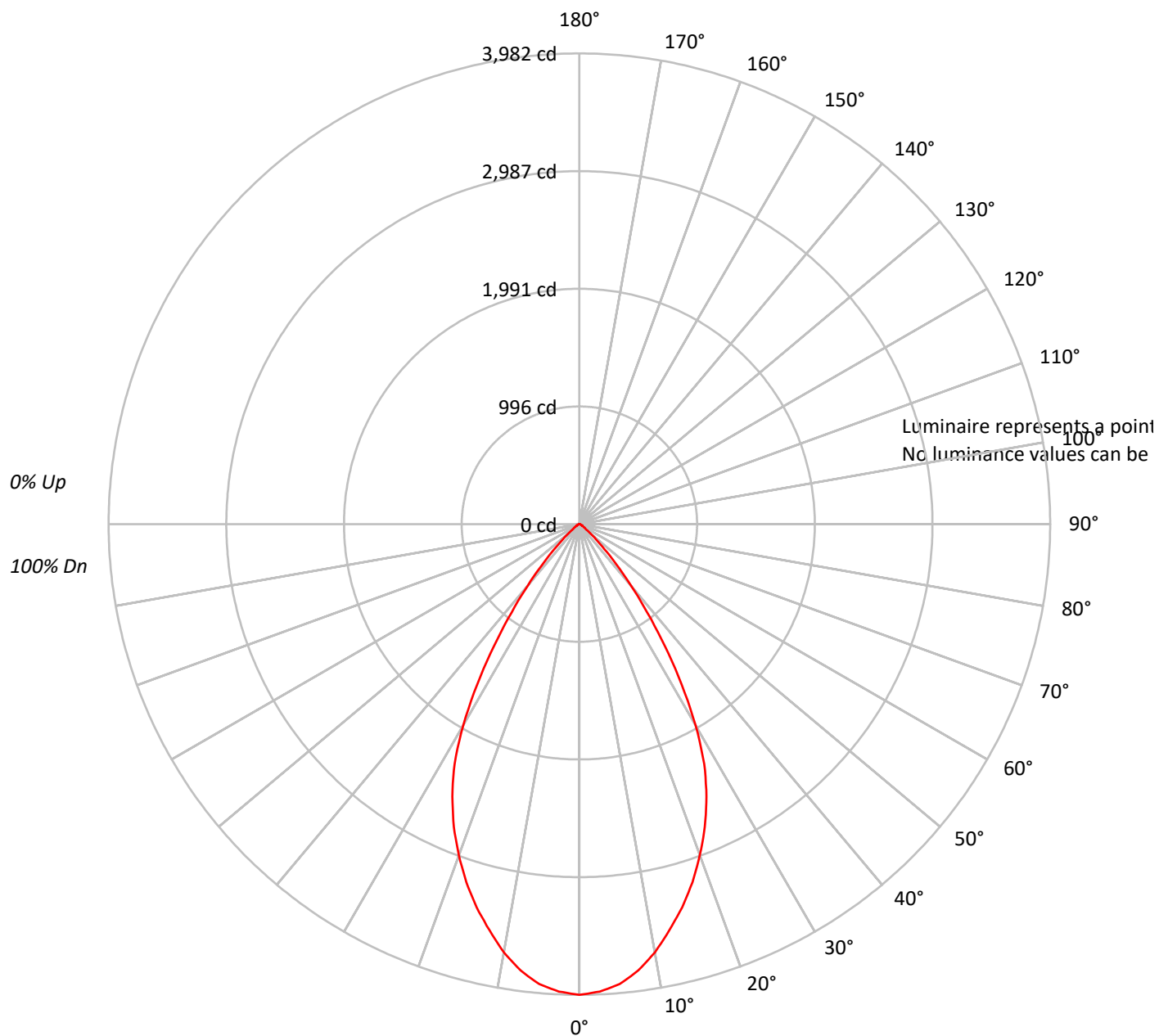
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	111	108	106		111	108	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	95		105	101	97	94		98	95	92		95	92	90		92	90	88
3	102	95	90	86		100	94	89	86		91	88	84		89	86	83		87	84	82
4	97	89	83	79		95	88	83	79		86	81	78		84	80	77		82	79	76
5	92	83	77	73		90	82	77	73		80	76	72		79	75	71		77	74	71
6	87	78	72	67		85	77	71	67		76	71	67		74	70	66		73	69	66
7	83	73	67	63		81	72	67	63		71	66	62		70	65	62		69	65	61
8	78	69	63	58		77	68	62	58		67	62	58		66	61	58		65	61	58
9	75	65	59	55		73	64	59	55		63	58	54		62	58	54		62	57	54
10	71	61	55	51		70	61	55	51		60	55	51		59	54	51		58	54	51

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.5	10.2
10°-20°	938.3	26.2
20°-30°	1152.5	32.2
30°-40°	790.3	22.1
40°-50°	254.0	7.1
50°-60°	51.5	1.4
60°-70°	20.3	0.6
70°-80°	7.6	0.2
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°	2456.3	68.6
0°-40°	3246.6	90.7
0°-60°	3552.0	99.2
0°-90°	3581.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3581.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3982	
5°	3906	366
15°	3357	938
25°	2543	1152
35°	1261	790
45°	301	254
55°	52	51
65°	21	20
75°	6	8
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3982.5
2.5°	3958.2
5°	3906.5
7.5°	3809.3
10°	3678.7
12.5°	3517.7
15°	3356.7
17.5°	3177.5
20°	2980.0
22.5°	2773.5
25°	2542.6
27.5°	2287.4
30°	1965.4
32.5°	1610.0
35°	1260.7
37.5°	941.7
40°	677.4
42.5°	461.7
45°	300.7
47.5°	185.3
50°	112.4
52.5°	69.9
55°	51.6
57.5°	39.5
60°	30.4
62.5°	24.3
65°	21.3
67.5°	15.2
70°	12.2
72.5°	9.1
75°	6.1
77.5°	6.1
80°	3.0
82.5°	3.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)