

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: P202559

Luminaire Tested: **LD6B50D010TE EU6B30509027 6LBSWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202559
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 EU6B30509027 6LBSWMH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW 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: 4613.9 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1.1
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

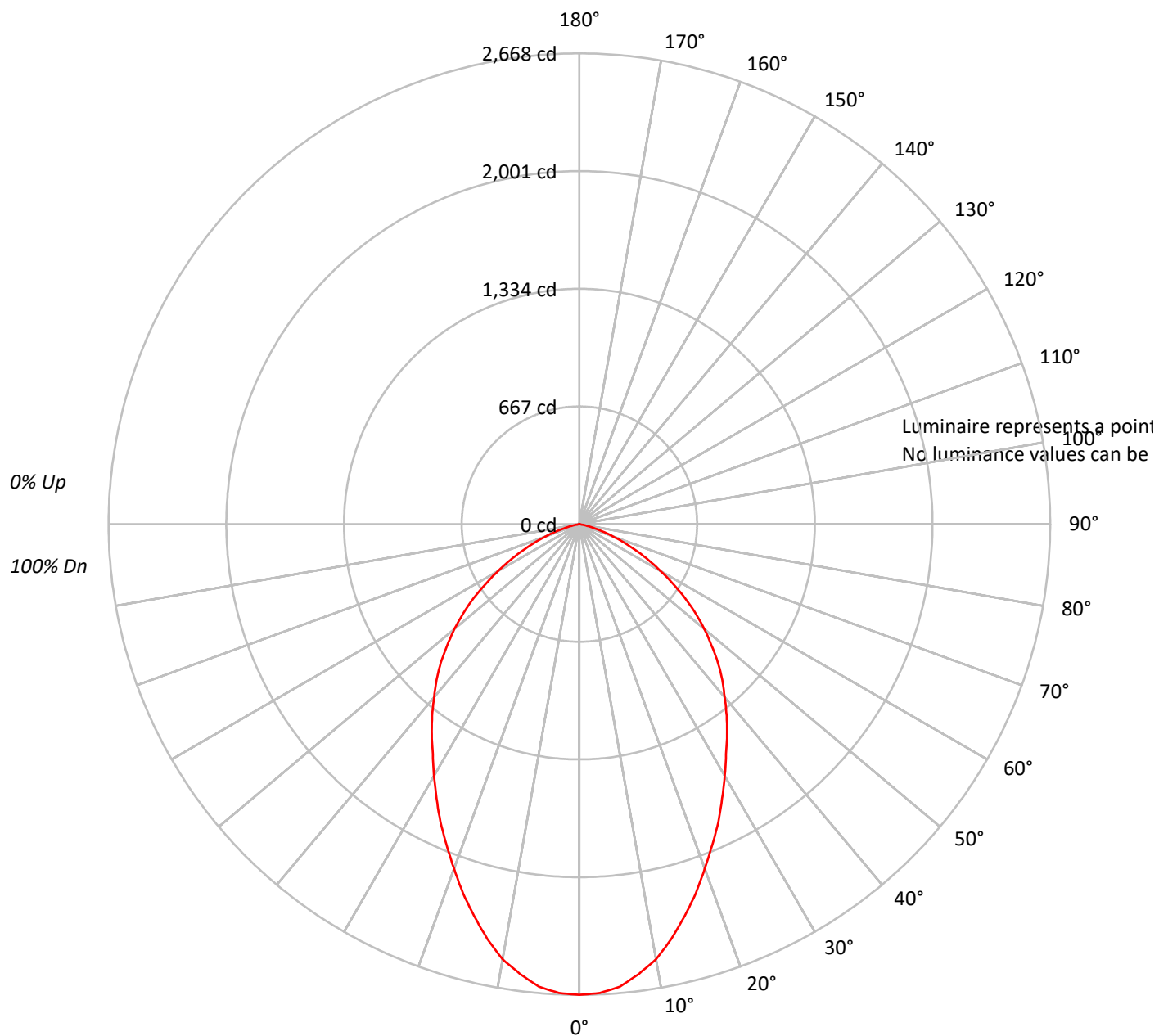
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





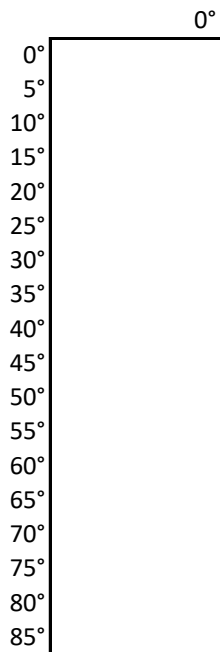
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	111	107	104	101		108	105	102	99		101	98	96		97	95	93		94	92	90
2	103	96	90	85		100	94	89	84		91	86	82		87	84	81		84	81	79
3	95	86	79	73		92	84	78	73		81	76	71		79	74	70		76	72	69
4	88	77	70	64		86	76	69	63		74	67	62		71	66	62		69	65	61
5	81	70	62	56		79	69	61	56		67	60	55		65	59	55		63	58	54
6	76	64	56	50		74	63	55	50		61	54	49		59	53	49		58	53	48
7	70	58	50	45		69	57	50	45		56	49	44		55	48	44		53	48	44
8	66	54	46	40		64	53	45	40		52	45	40		50	44	40		49	44	40
9	62	49	42	37		61	49	42	37		48	41	37		47	41	36		46	40	36
10	58	46	39	34		57	45	38	34		45	38	34		44	38	33		43	37	33

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.8	5.4
10°-20°	645.3	14.0
20°-30°	855.6	18.5
30°-40°	912.6	19.8
40°-50°	853.1	18.5
50°-60°	650.5	14.1
60°-70°	353.9	7.7
70°-80°	94.9	2.1
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°	1747.7	37.9
0°-40°	2660.4	57.7
0°-60°	4163.9	90.2
0°-90°	4613.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4613.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2668	
5°	2631	247
15°	2301	645
25°	1862	856
35°	1458	913
45°	1111	853
55°	732	650
65°	353	354
75°	82	95
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2668.0
2.5°	2659.6
5°	2631.3
7.5°	2571.9
10°	2504.1
12.5°	2408.0
15°	2300.6
17.5°	2193.2
20°	2077.3
22.5°	1967.1
25°	1862.5
27.5°	1752.3
30°	1647.7
32.5°	1546.0
35°	1458.4
37.5°	1370.8
40°	1280.3
42.5°	1198.4
45°	1110.7
47.5°	1014.6
50°	924.2
52.5°	828.1
55°	732.0
57.5°	627.4
60°	531.3
62.5°	440.9
65°	353.3
67.5°	274.2
70°	200.7
72.5°	138.5
75°	82.0
77.5°	36.7
80°	8.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)