

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: P202560

Luminaire Tested: **LD6B50D010TE EU6B30509030 6LBSWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202560
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 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: 4797.2 lumens
Efficiency: N/A
Efficacy: 81.6 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

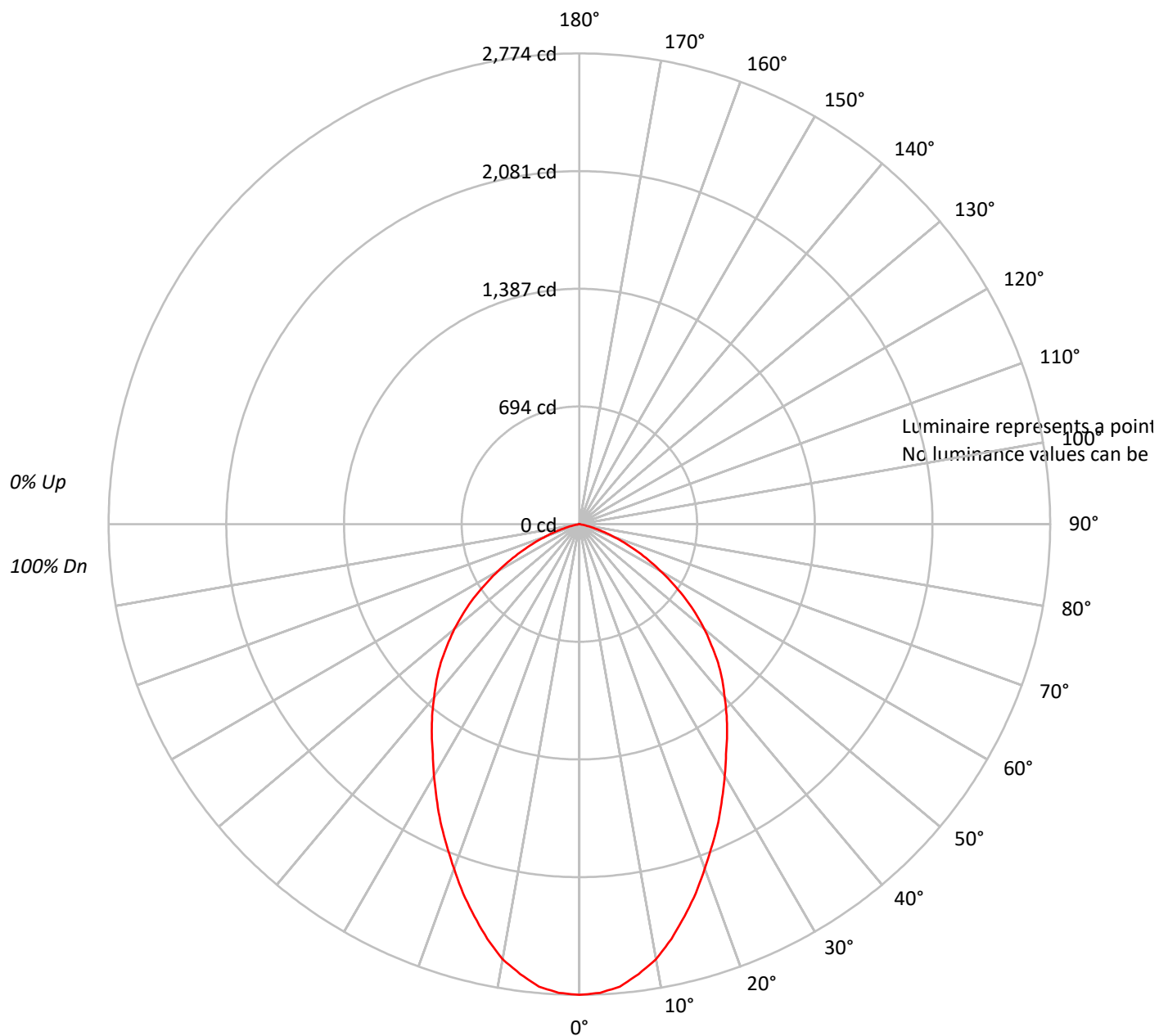
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





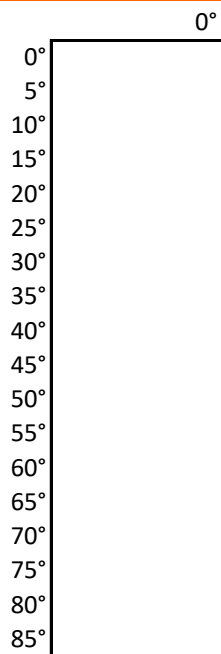
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	256.6	5.4
10°-20°	670.9	14.0
20°-30°	889.6	18.5
30°-40°	948.9	19.8
40°-50°	887.0	18.5
50°-60°	676.3	14.1
60°-70°	367.9	7.7
70°-80°	98.7	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°	1817.2	37.9
0°-40°	2766.1	57.7
0°-60°	4329.4	90.2
0°-90°	4797.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4797.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2774	
5°	2736	257
15°	2392	671
25°	1936	890
35°	1516	949
45°	1155	887
55°	761	676
65°	367	368
75°	85	99
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2774.0
2.5°	2765.2
5°	2735.8
7.5°	2674.1
10°	2603.6
12.5°	2503.7
15°	2392.0
17.5°	2280.4
20°	2159.9
22.5°	2045.3
25°	1936.5
27.5°	1821.9
30°	1713.2
32.5°	1607.4
35°	1516.3
37.5°	1425.2
40°	1331.2
42.5°	1246.0
45°	1154.9
47.5°	1055.0
50°	960.9
52.5°	861.0
55°	761.1
57.5°	652.4
60°	552.5
62.5°	458.4
65°	367.3
67.5°	285.0
70°	208.6
72.5°	144.0
75°	85.2
77.5°	38.2
80°	8.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)