

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: P202673

Luminaire Tested: **LD6B60D010TE EU6B60708050 6LBMWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202673
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: LD6B60D010TE EU6B60708050 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: 4850.3 lumens
Efficiency: N/A
Efficacy: 77.6 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

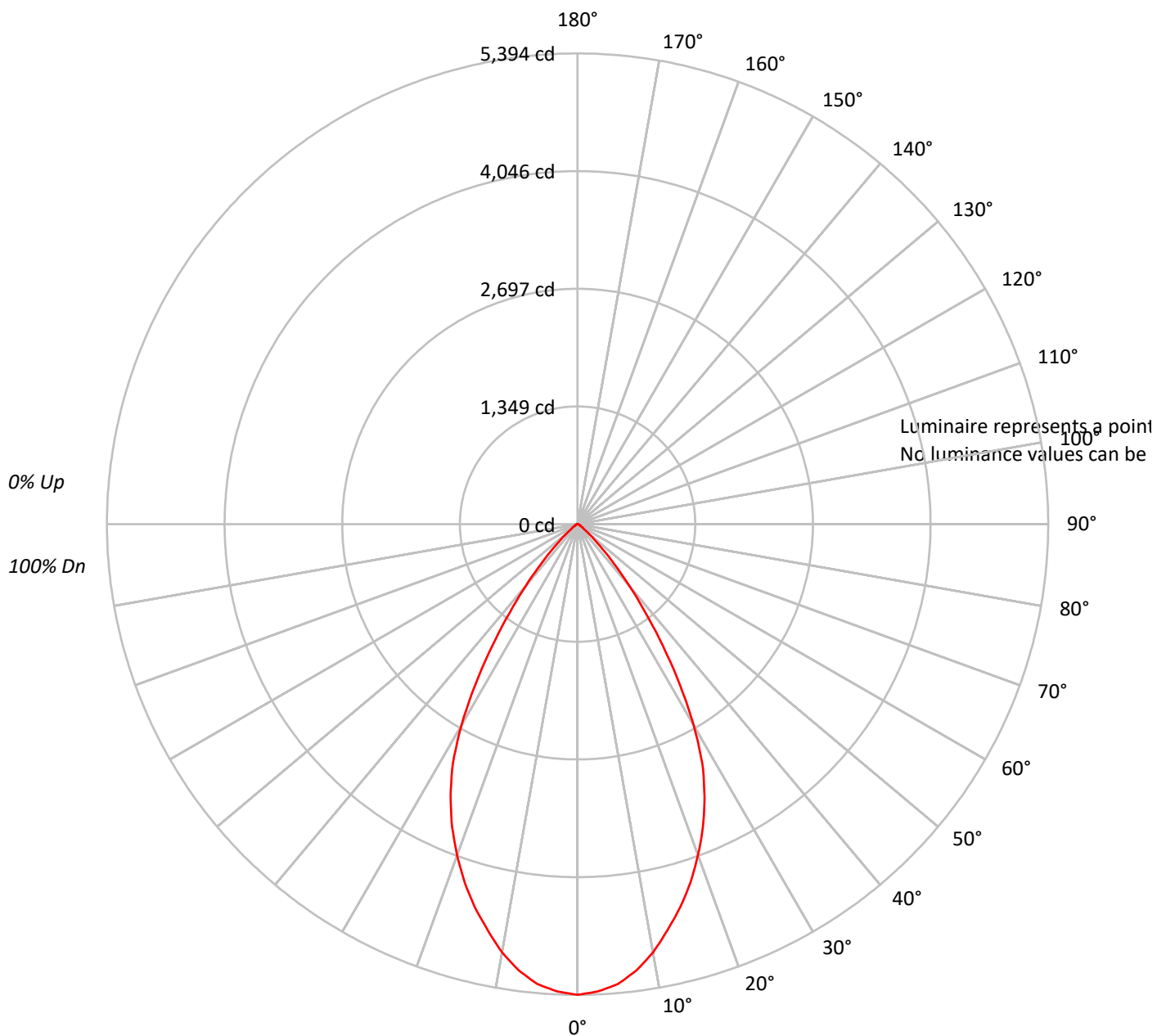
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	495.1	10.2
10°-20°	1270.9	26.2
20°-30°	1560.9	32.2
30°-40°	1070.3	22.1
40°-50°	344.1	7.1
50°-60°	69.7	1.4
60°-70°	27.4	0.6
70°-80°	10.3	0.2
80°-90°	1.7	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°	3326.8	68.6
0°-40°	4397.1	90.7
0°-60°	4810.9	99.2
0°-90°	4850.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4850.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5394	
5°	5291	495
15°	4546	1271
25°	3444	1561
35°	1707	1070
45°	407	344
55°	70	70
65°	29	27
75°	8	10
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5393.9
2.5°	5361.0
5°	5291.0
7.5°	5159.4
10°	4982.5
12.5°	4764.4
15°	4546.3
17.5°	4303.6
20°	4036.2
22.5°	3756.4
25°	3443.7
27.5°	3098.1
30°	2662.0
32.5°	2180.6
35°	1707.4
37.5°	1275.4
40°	917.5
42.5°	625.4
45°	407.3
47.5°	251.0
50°	152.2
52.5°	94.6
55°	69.9
57.5°	53.5
60°	41.1
62.5°	32.9
65°	28.8
67.5°	20.6
70°	16.5
72.5°	12.3
75°	8.2
77.5°	8.2
80°	4.1
82.5°	4.1
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)