

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: P202575

Luminaire Tested: **LD6B60D010TE EU6B60709040 6LBSWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202575
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 EU6B60709040 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: 5445.9 lumens
Efficiency: N/A
Efficacy: 87.2 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

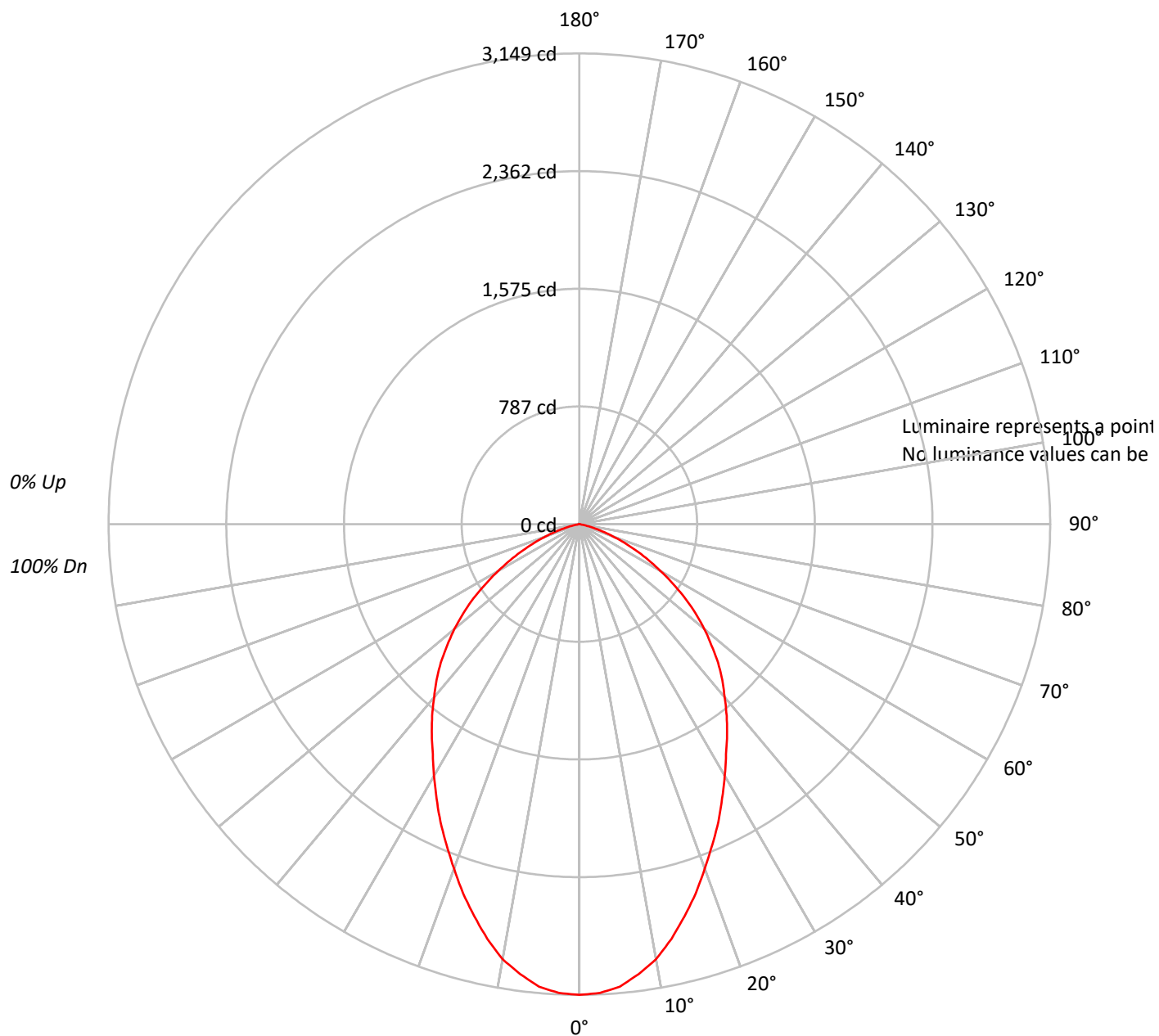
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10		50	30	10			50	30	10			0
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			100
1	111	107	104	101	108	105	102	99		101	98	96			97	95	93			88
2	103	96	90	85	100	94	89	84		91	86	82			87	84	81			77
3	95	86	79	73	92	84	78	73		81	76	71			79	74	70			67
4	88	77	70	64	86	76	69	63		74	67	62			71	66	62			59
5	81	70	62	56	79	69	61	56		67	60	55			65	59	55			52
6	76	64	56	50	74	63	55	50		61	54	49			59	53	49			47
7	70	58	50	45	69	57	50	45		56	49	44			55	48	44			42
8	66	54	46	40	64	53	45	40		52	45	40			50	44	40			38
9	62	49	42	37	61	49	42	37		48	41	37			47	41	36			35
10	58	46	39	34	57	45	38	34		45	38	34			44	38	33			32

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.4	5.4
10°-20°	761.6	14.0
20°-30°	1009.9	18.5
30°-40°	1077.2	19.8
40°-50°	1006.9	18.5
50°-60°	767.8	14.1
60°-70°	417.7	7.7
70°-80°	112.0	2.1
80°-90°	1.4	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°	2062.9	37.9
0°-40°	3140.1	57.7
0°-60°	4914.8	90.2
0°-90°	5445.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5445.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3149	
5°	3106	291
15°	2716	762
25°	2198	1010
35°	1721	1077
45°	1311	1007
55°	864	768
65°	417	418
75°	97	112
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3149.1
2.5°	3139.1
5°	3105.8
7.5°	3035.7
10°	2955.6
12.5°	2842.2
15°	2715.5
17.5°	2588.7
20°	2451.9
22.5°	2321.8
25°	2198.4
27.5°	2068.3
30°	1944.9
32.5°	1824.8
35°	1721.3
37.5°	1617.9
40°	1511.2
42.5°	1414.4
45°	1311.0
47.5°	1197.6
50°	1090.9
52.5°	977.4
55°	864.0
57.5°	740.6
60°	627.2
62.5°	520.4
65°	417.0
67.5°	323.6
70°	236.9
72.5°	163.5
75°	96.7
77.5°	43.4
80°	10.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)