

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: P204321

Luminaire Tested: **LD6B60D010TE EU6B60708050 6LBSWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204321
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 6LBSWH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH WHEAT TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6474.2 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 1.08
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

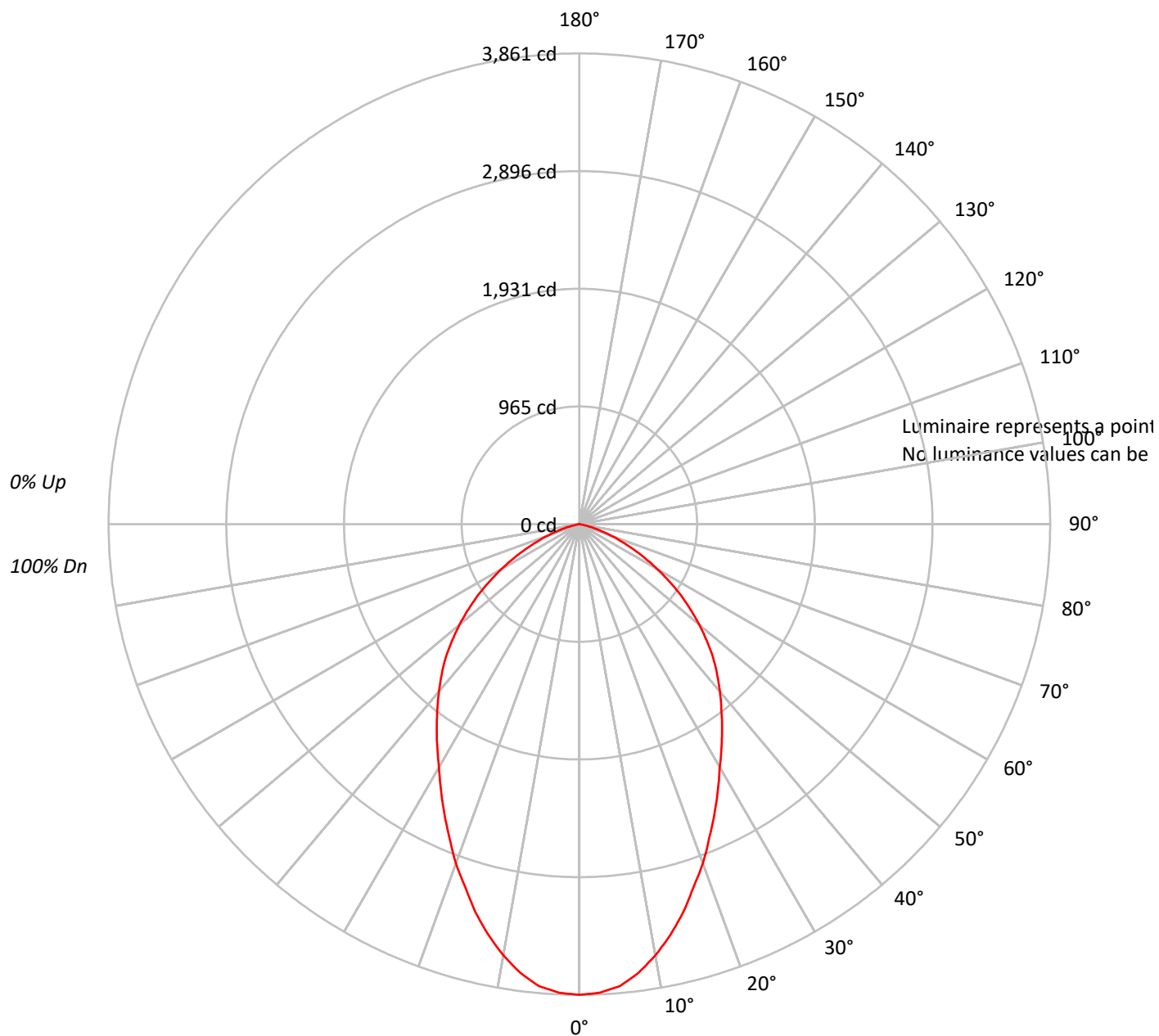
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	108	105	102	99	101	98	96		97	95	93		94
2	103	96	90	85	100	94	89	84	91	86	83		87	84	81		85
3	95	86	79	73	93	84	78	73	82	76	72		79	74	70		76
4	88	77	70	64	86	76	69	63	74	68	63		72	66	62		69
5	81	70	62	56	79	69	62	56	67	60	55		65	59	55		63
6	76	64	56	50	74	63	55	50	61	54	49		60	54	49		58
7	71	58	51	45	69	58	50	45	56	49	45		55	49	44		54
8	66	54	46	41	65	53	46	41	52	45	40		51	45	40		50
9	62	50	42	37	61	49	42	37	48	41	37		47	41	37		46
10	58	46	39	34	57	46	39	34	45	38	34		44	38	34		43

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	356.1	5.5
10°-20°	921.8	14.2
20°-30°	1205.7	18.6
30°-40°	1276.6	19.7
40°-50°	1190.7	18.4
50°-60°	901.8	13.9
60°-70°	488.5	7.5
70°-80°	131.1	2.0
80°-90°	1.9	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°	2483.6	38.4
0°-40°	3760.2	58.1
0°-60°	5852.7	90.4
0°-90°	6474.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6474.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3861	
5°	3804	356
15°	3294	922
25°	2621	1206
35°	2040	1277
45°	1552	1191
55°	1013	902
65°	489	488
75°	113	131
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3861.1
2.5°	3847.0
5°	3804.5
7.5°	3712.4
10°	3591.9
12.5°	3450.2
15°	3294.4
17.5°	3117.2
20°	2961.4
22.5°	2784.3
25°	2621.3
27.5°	2458.4
30°	2302.5
32.5°	2167.9
35°	2040.4
37.5°	1912.9
40°	1792.4
42.5°	1672.0
45°	1551.5
47.5°	1416.9
50°	1282.3
52.5°	1147.7
55°	1013.1
57.5°	871.4
60°	736.8
62.5°	609.3
65°	488.8
67.5°	375.5
70°	276.3
72.5°	191.3
75°	113.4
77.5°	49.6
80°	14.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)