

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: P204527

Luminaire Tested: **LD6B60D010TE EU6B60708050 6LBSB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204527
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 6LBSB1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SPECULAR BLACK TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5659.6 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.3
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

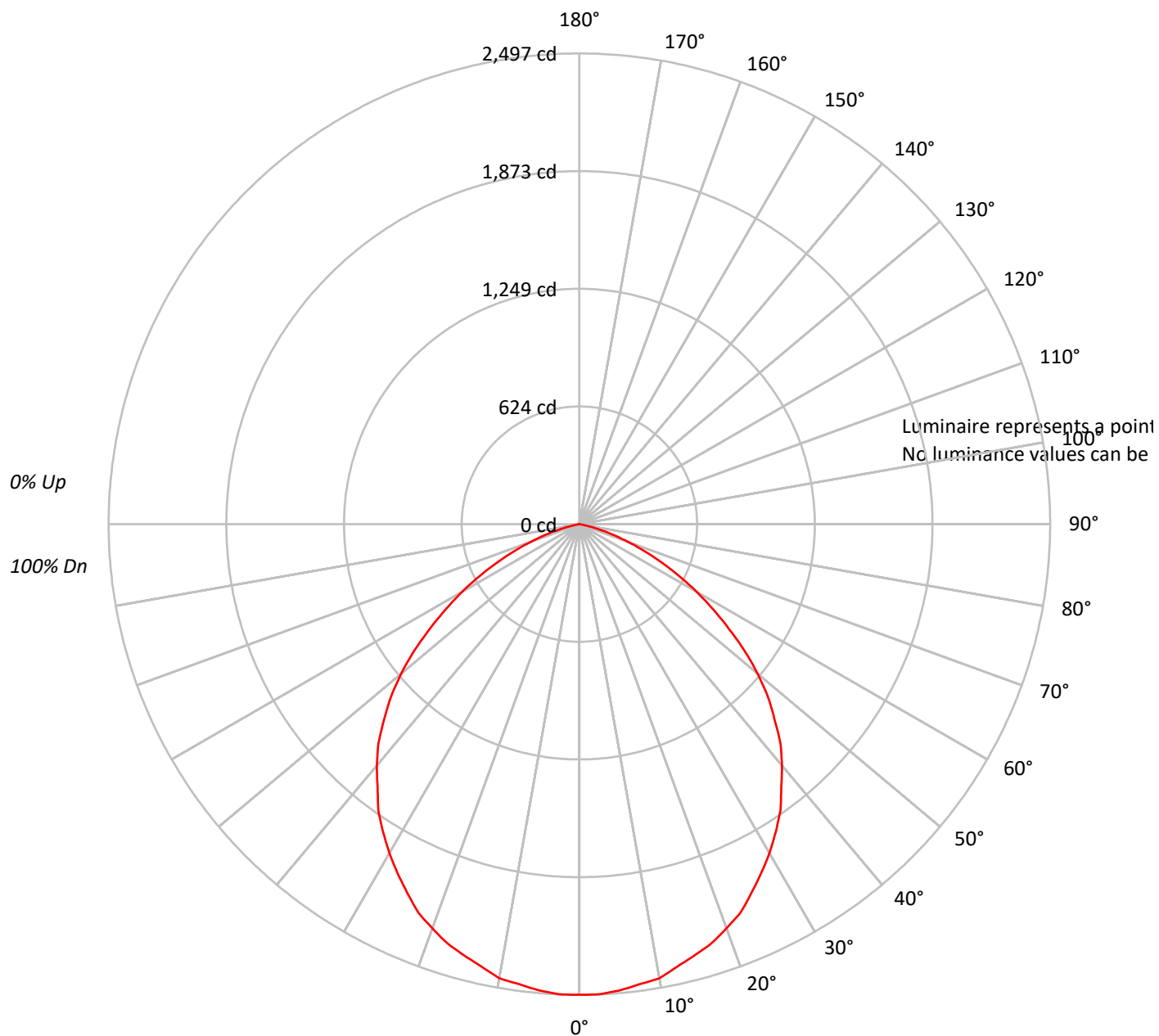
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	100	108	105	101	98	100	98	95		97	94	93		93
2	102	95	89	84	100	93	88	83	90	85	81		86	83	79		84
3	94	84	77	72	91	83	76	71	80	74	70		77	73	68		75
4	86	76	68	62	84	74	67	61	72	65	60		70	64	60		68
5	80	68	60	54	78	67	59	53	65	58	53		63	57	52		61
6	74	62	53	47	72	61	53	47	59	52	47		57	51	46		56
7	69	56	48	42	67	55	48	42	54	47	42		52	46	41		51
8	64	51	43	38	63	51	43	38	49	42	37		48	42	37		47
9	60	47	39	34	59	47	39	34	46	39	34		45	38	34		44
10	56	44	36	31	55	43	36	31	42	36	31		41	35	31		40

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.6	4.2
10°-20°	668.6	11.8
20°-30°	994.6	17.6
30°-40°	1157.4	20.4
40°-50°	1128.1	19.9
50°-60°	867.7	15.3
60°-70°	479.7	8.5
70°-80°	127.0	2.2
80°-90°	1.0	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°	1898.8	33.6
0°-40°	3056.2	54.0
0°-60°	5051.9	89.3
0°-90°	5659.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5659.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2497	
5°	2482	236
15°	2368	669
25°	2159	995
35°	1858	1157
45°	1464	1128
55°	968	868
65°	481	480
75°	108	127
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2496.6
2.5°	2496.6
5°	2482.3
7.5°	2460.8
10°	2446.4
12.5°	2403.4
15°	2367.5
17.5°	2331.6
20°	2281.4
22.5°	2231.2
25°	2159.4
27.5°	2087.7
30°	2016.0
32.5°	1937.0
35°	1858.1
37.5°	1757.7
40°	1671.6
42.5°	1578.3
45°	1463.5
47.5°	1355.9
50°	1234.0
52.5°	1104.8
55°	968.5
57.5°	839.4
60°	717.4
62.5°	595.5
65°	480.7
67.5°	373.1
70°	272.6
72.5°	186.5
75°	107.6
77.5°	50.2
80°	7.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)