

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: P204948

Luminaire Tested: **LD6B60D010TE EU6B60709727 6LBCSMB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204948
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 EU6B60709727 6LBCSMB1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE BLACK TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3958.7 lumens
Efficiency: N/A
Efficacy: 63.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

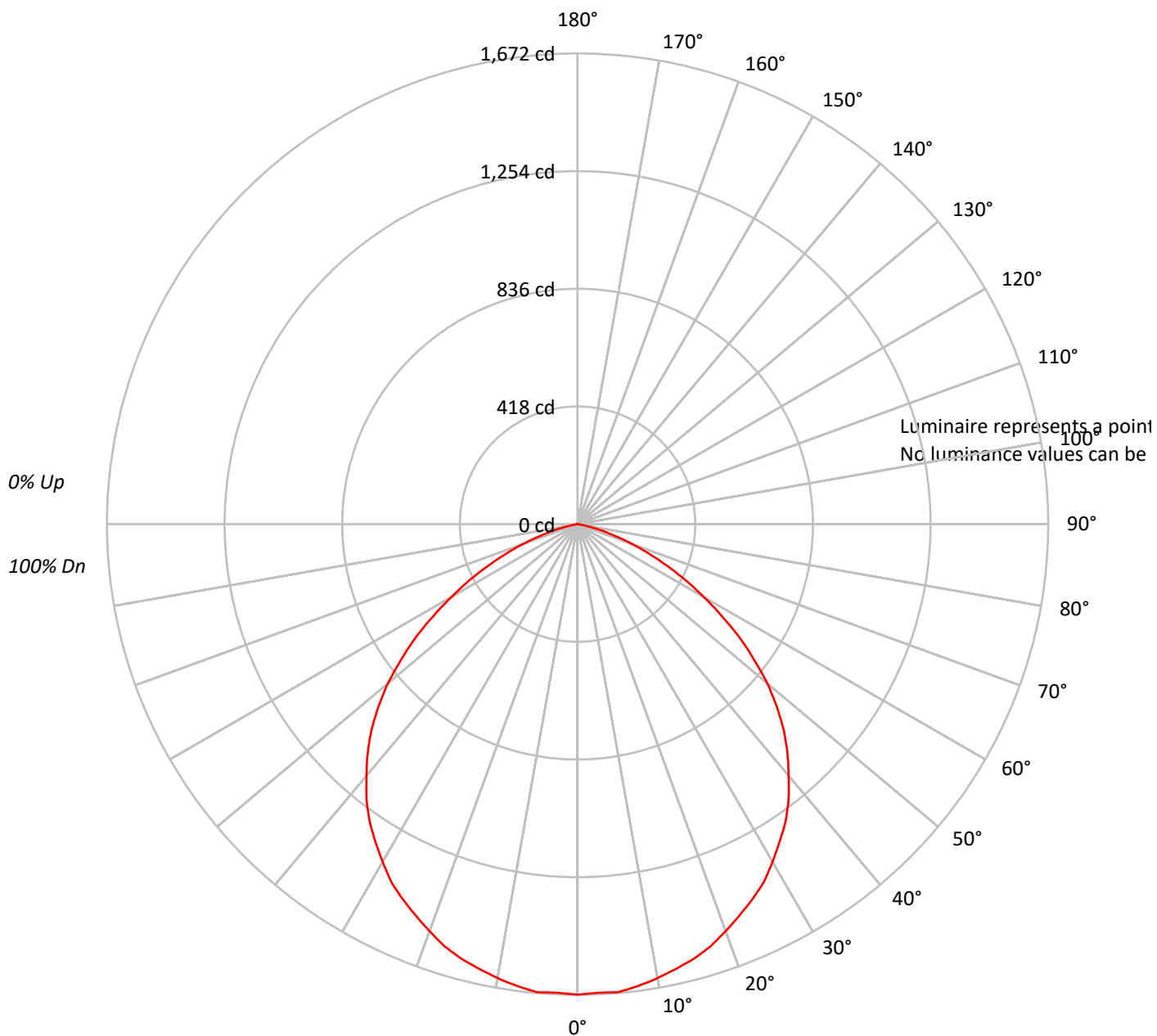
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104	101	98	100	98	95		96	94	92		93
2	102	95	89	84	99	93	87	83	89	85	81		86	82	79		83
3	93	84	77	71	91	83	76	70	80	74	69		77	72	68		74
4	86	75	67	61	84	74	66	61	71	65	60		69	63	59		67
5	79	67	59	53	77	66	59	53	64	57	52		62	56	52		61
6	74	61	53	47	72	60	52	46	58	51	46		57	50	46		55
7	68	55	47	41	67	55	47	41	53	46	41		52	45	41		50
8	64	51	43	37	62	50	42	37	49	42	37		48	41	37		46
9	60	47	39	33	58	46	39	33	45	38	33		44	38	33		43
10	56	43	35	30	55	43	35	30	42	35	30		41	34	30		40

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.1	4.0
10°-20°	450.4	11.4
20°-30°	677.1	17.1
30°-40°	803.4	20.3
40°-50°	795.1	20.1
50°-60°	624.5	15.8
60°-70°	350.1	8.8
70°-80°	98.3	2.5
80°-90°	1.5	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°	1285.7	32.5
0°-40°	2089.1	52.8
0°-60°	3508.7	88.6
0°-90°	3958.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3958.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1672	
5°	1669	158
15°	1598	450
25°	1470	677
35°	1288	803
45°	1036	795
55°	704	625
65°	349	350
75°	85	98
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1671.6
2.5°	1665.9
5°	1668.8
7.5°	1654.6
10°	1637.5
12.5°	1617.7
15°	1597.8
17.5°	1572.3
20°	1538.2
22.5°	1504.1
25°	1470.1
27.5°	1433.2
30°	1384.9
32.5°	1336.7
35°	1288.5
37.5°	1231.7
40°	1166.4
42.5°	1104.0
45°	1035.9
47.5°	959.2
50°	879.8
52.5°	789.0
55°	703.8
57.5°	607.3
60°	516.5
62.5°	434.2
65°	349.1
67.5°	275.3
70°	204.3
72.5°	139.1
75°	85.1
77.5°	42.6
80°	11.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)