

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: P204637

Luminaire Tested: **LD6B60D010TE EU6B60709050 6LBSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204637
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 EU6B60709050 6LB5MW1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5652.7 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

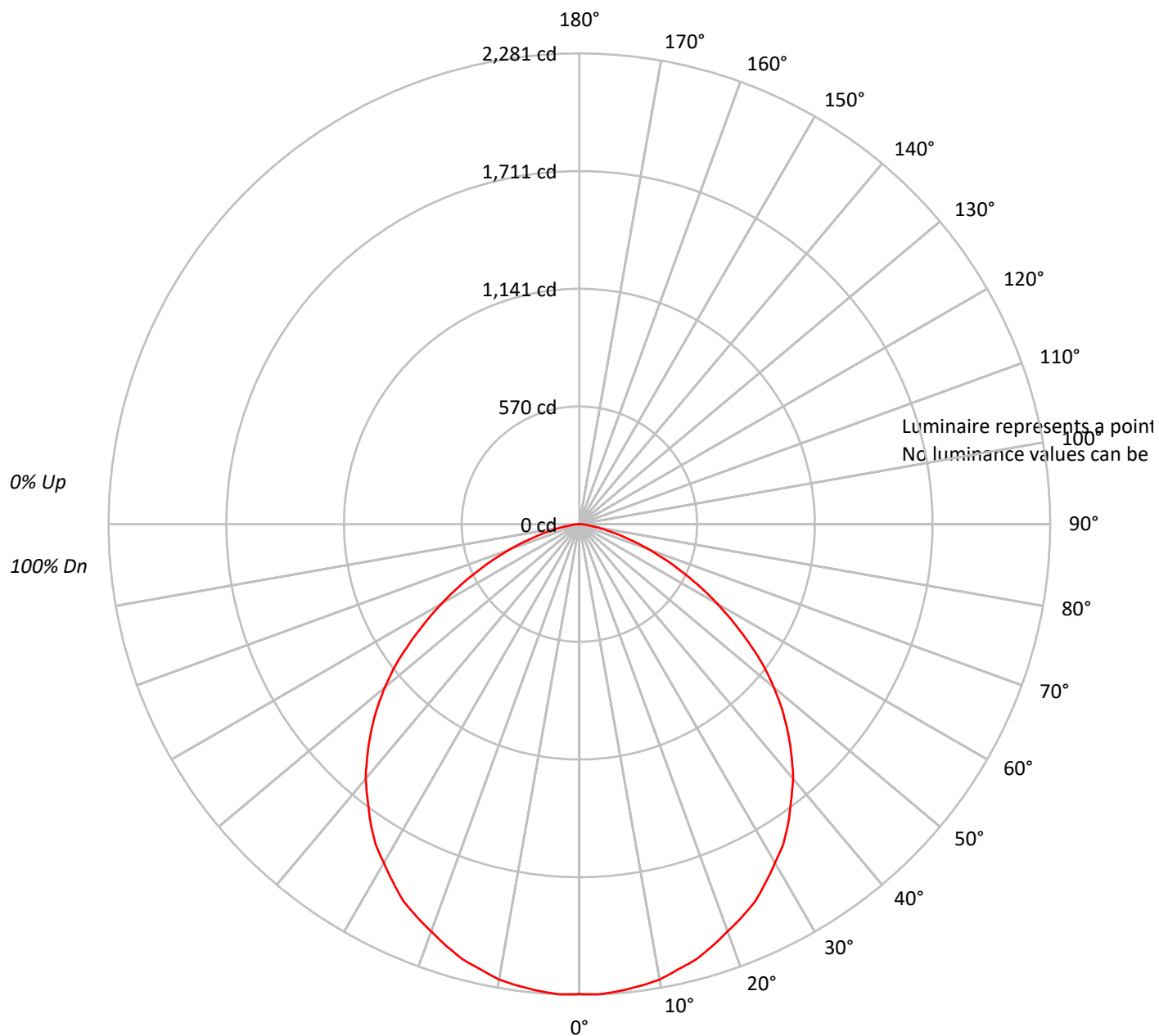
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	110	106	102	99		107	104	100	97		99	97	94		96	93	91		92	90	88
2	101	93	87	82		98	92	86	81		88	83	79		85	81	77		82	79	76
3	93	83	75	69		90	81	74	69		78	72	67		76	70	66		73	69	65
4	85	74	65	59		83	72	65	59		70	63	58		68	62	57		66	61	56
5	78	66	58	51		76	65	57	51		63	56	51		61	55	50		59	54	49
6	73	60	51	45		71	59	51	45		57	50	44		55	49	44		54	48	44
7	67	54	46	40		66	54	46	40		52	45	40		51	44	39		49	43	39
8	63	50	41	36		61	49	41	36		48	41	35		46	40	35		45	39	35
9	59	46	38	32		57	45	37	32		44	37	32		43	36	32		42	36	32
10	55	42	34	29		54	42	34	29		41	34	29		40	33	29		39	33	29

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.8	3.8
10°-20°	615.1	10.9
20°-30°	926.4	16.4
30°-40°	1102.3	19.5
40°-50°	1100.3	19.5
50°-60°	894.8	15.8
60°-70°	550.5	9.7
70°-80°	213.3	3.8
80°-90°	34.2	0.6
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°	1757.3	31.1
0°-40°	2859.6	50.6
0°-60°	4854.8	85.9
0°-90°	5652.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5652.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2278	
5°	2271	216
15°	2184	615
25°	2016	926
35°	1765	1102
45°	1430	1100
55°	1001	895
65°	553	551
75°	194	213
85°	27	34
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2277.5
2.5°	2280.8
5°	2270.8
7.5°	2257.4
10°	2240.7
12.5°	2210.5
15°	2183.7
17.5°	2143.5
20°	2100.0
22.5°	2059.8
25°	2016.3
27.5°	1956.0
30°	1895.7
32.5°	1838.7
35°	1765.1
37.5°	1684.7
40°	1611.0
42.5°	1520.6
45°	1430.1
47.5°	1333.0
50°	1229.2
52.5°	1122.0
55°	1001.4
57.5°	884.2
60°	770.3
62.5°	659.8
65°	552.6
67.5°	452.2
70°	358.4
72.5°	271.3
75°	194.3
77.5°	127.3
80°	77.0
82.5°	46.9
85°	26.8
87.5°	13.4
90°	0.0



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— 0°-180°







(END OF REPORT)