

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: P204843

Luminaire Tested: **LD6B60D010TE EU6B60709040 6LBCSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204843
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 6LBCSMW1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5691.6 lumens
Efficiency: N/A
Efficacy: 91.1 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

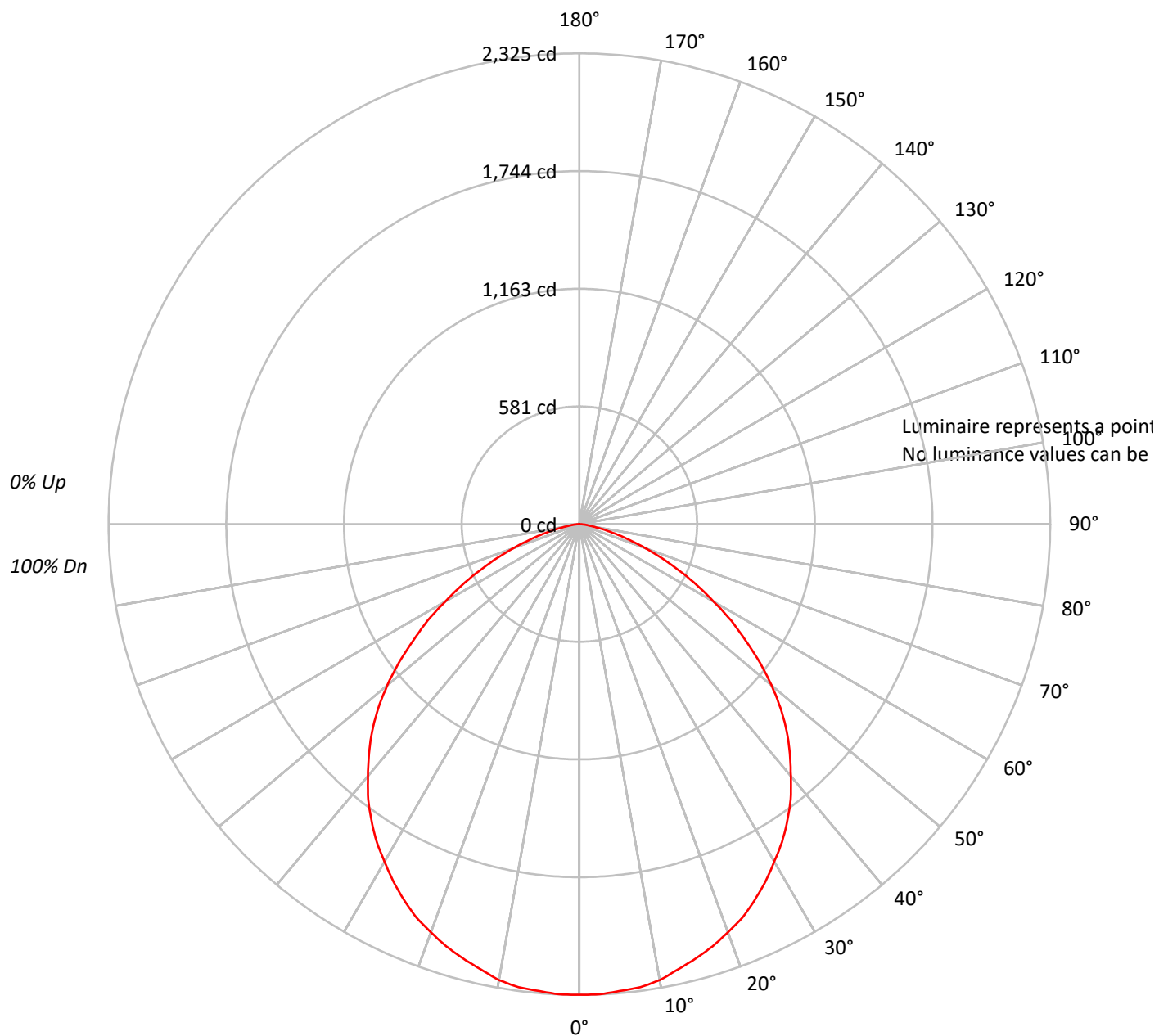
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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		108	104	100	97		100	97	94		96	93	91		92	90	89
2	101	94	87	82		99	92	86	81		88	84	79		85	81	78		82	79	76
3	93	83	75	70		90	81	74	69		79	73	68		76	71	67		73	69	65
4	85	74	66	60		83	73	65	59		70	64	58		68	62	58		66	61	57
5	79	66	58	52		77	65	57	51		63	56	51		61	55	50		60	54	50
6	73	60	52	45		71	59	51	45		57	50	45		56	49	44		54	49	44
7	68	55	46	40		66	54	46	40		52	45	40		51	44	40		50	44	39
8	63	50	42	36		61	49	41	36		48	41	36		47	40	36		46	40	35
9	59	46	38	33		57	45	38	32		44	37	32		43	37	32		42	36	32
10	55	42	35	30		54	42	34	30		41	34	29		40	34	29		39	33	29

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.2	3.9
10°-20°	627.0	11.0
20°-30°	943.3	16.6
30°-40°	1117.9	19.6
40°-50°	1112.5	19.5
50°-60°	896.8	15.8
60°-70°	542.5	9.5
70°-80°	201.4	3.5
80°-90°	30.0	0.5
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°	1790.5	31.5
0°-40°	2908.4	51.1
0°-60°	4917.7	86.4
0°-90°	5691.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5691.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2325	
5°	2314	220
15°	2221	627
25°	2049	943
35°	1790	1118
45°	1449	1112
55°	1000	897
65°	545	543
75°	183	201
85°	24	30
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2324.6
2.5°	2324.6
5°	2314.3
7.5°	2307.4
10°	2286.7
12.5°	2252.2
15°	2221.2
17.5°	2186.7
20°	2145.3
22.5°	2103.9
25°	2048.7
27.5°	1990.1
30°	1924.6
32.5°	1862.5
35°	1790.0
37.5°	1714.2
40°	1624.5
42.5°	1538.3
45°	1448.6
47.5°	1348.6
50°	1238.2
52.5°	1124.4
55°	1000.2
57.5°	889.8
60°	765.7
62.5°	655.3
65°	544.9
67.5°	441.5
70°	344.9
72.5°	258.7
75°	182.8
77.5°	117.3
80°	69.0
82.5°	41.4
85°	24.1
87.5°	10.3
90°	0.0



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— 0°-180°







(END OF REPORT)