

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: P204832

Luminaire Tested: **LD6B50D010TE EU6B30509727 6LBSCMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204832
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: LD6B50D010TE EU6B30509727 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: 4193.3 lumens
Efficiency: N/A
Efficacy: 71.4 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

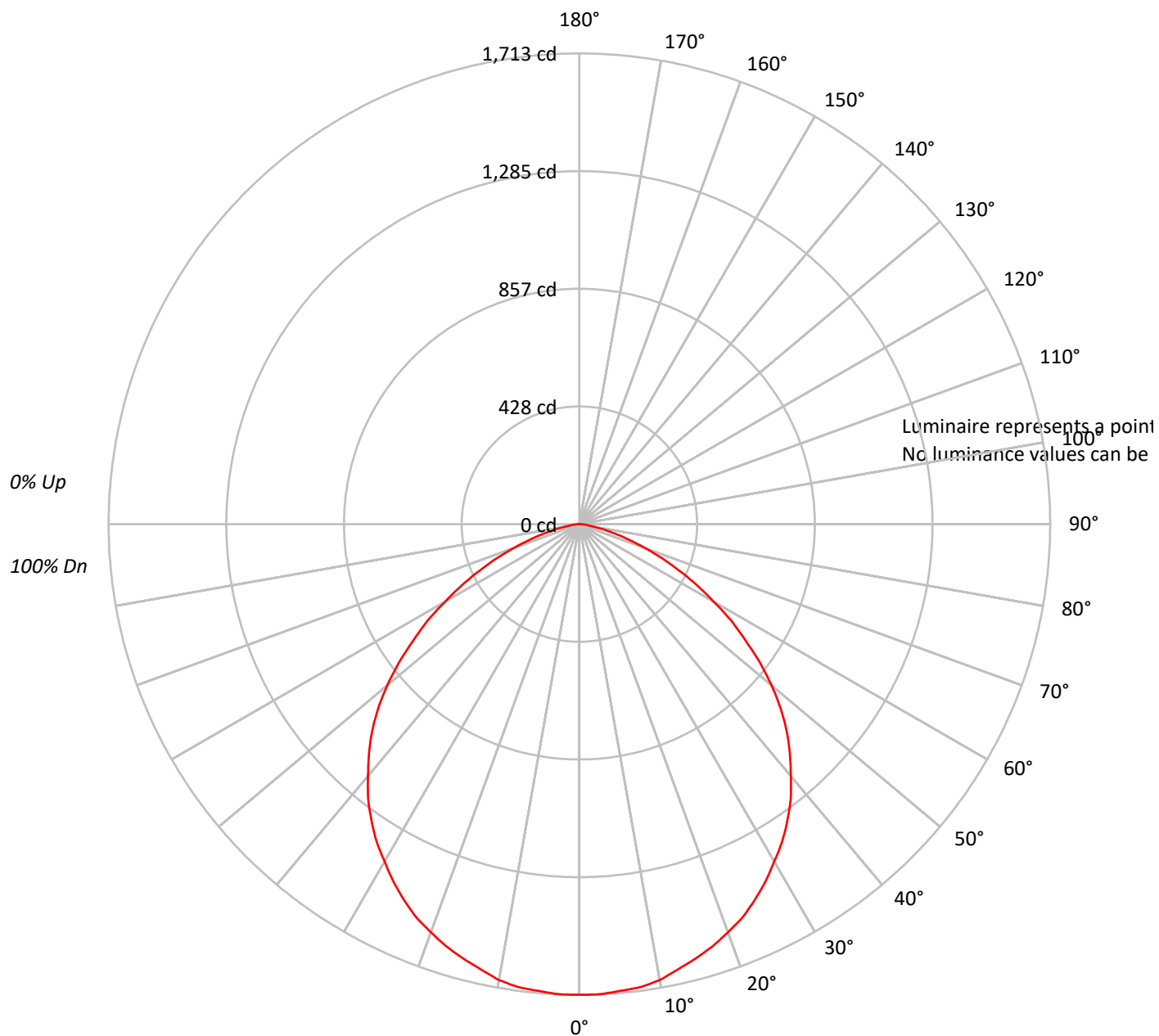
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	162.3	3.9
10°-20°	462.0	11.0
20°-30°	694.9	16.6
30°-40°	823.6	19.6
40°-50°	819.6	19.5
50°-60°	660.7	15.8
60°-70°	399.7	9.5
70°-80°	148.4	3.5
80°-90°	22.1	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°	1319.2	31.5
0°-40°	2142.8	51.1
0°-60°	3623.1	86.4
0°-90°	4193.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4193.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1713	
5°	1705	162
15°	1636	462
25°	1509	695
35°	1319	824
45°	1067	820
55°	737	661
65°	402	400
75°	135	148
85°	18	22
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1712.7
2.5°	1712.7
5°	1705.1
7.5°	1700.0
10°	1684.7
12.5°	1659.3
15°	1636.4
17.5°	1611.0
20°	1580.5
22.5°	1550.0
25°	1509.4
27.5°	1466.2
30°	1417.9
32.5°	1372.2
35°	1318.8
37.5°	1262.9
40°	1196.8
42.5°	1133.3
45°	1067.2
47.5°	993.6
50°	912.2
52.5°	828.4
55°	736.9
57.5°	655.6
60°	564.1
62.5°	482.8
65°	401.5
67.5°	325.3
70°	254.1
72.5°	190.6
75°	134.7
77.5°	86.4
80°	50.8
82.5°	30.5
85°	17.8
87.5°	7.6
90°	0.0



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— 0°-180°







(END OF REPORT)