

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: P204821

Luminaire Tested: **LD6B50D010TE EU6B30508027 6LBCSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204821
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 EU6B30508027 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: 5615.8 lumens
Efficiency: N/A
Efficacy: 95.6 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

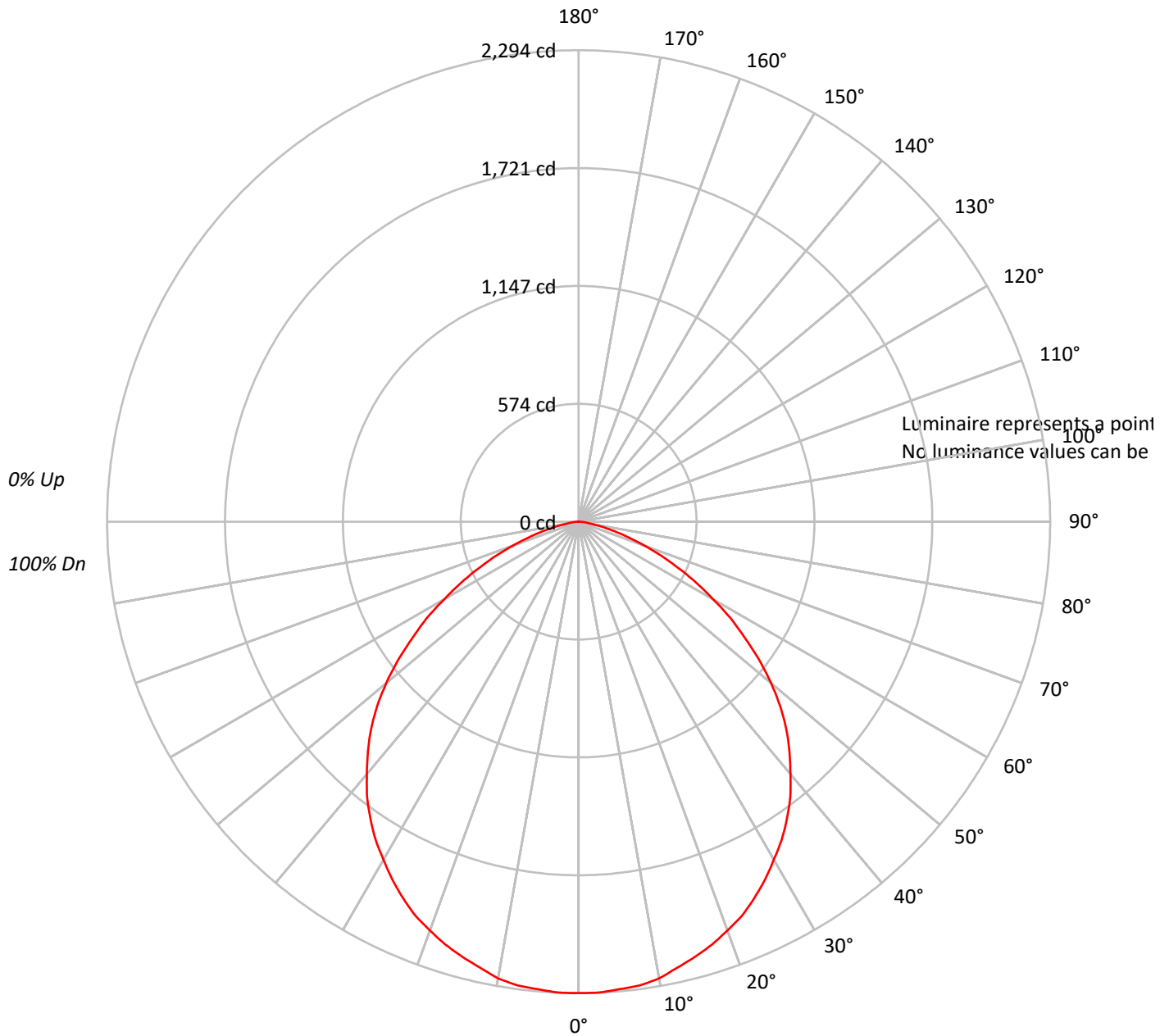
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	217.3	3.9
10°-20°	618.7	11.0
20°-30°	930.7	16.6
30°-40°	1103.0	19.6
40°-50°	1097.7	19.5
50°-60°	884.9	15.8
60°-70°	535.3	9.5
70°-80°	198.7	3.5
80°-90°	29.6	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°	1766.7	31.5
0°-40°	2869.7	51.1
0°-60°	4852.2	86.4
0°-90°	5615.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5615.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2294	
5°	2284	217
15°	2192	619
25°	2021	931
35°	1766	1103
45°	1429	1098
55°	987	885
65°	538	535
75°	180	199
85°	24	30
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2293.7
2.5°	2293.7
5°	2283.5
7.5°	2276.7
10°	2256.3
12.5°	2222.2
15°	2191.6
17.5°	2157.6
20°	2116.7
22.5°	2075.9
25°	2021.4
27.5°	1963.6
30°	1898.9
32.5°	1837.7
35°	1766.2
37.5°	1691.3
40°	1602.9
42.5°	1517.8
45°	1429.3
47.5°	1330.6
50°	1221.7
52.5°	1109.4
55°	986.9
57.5°	878.0
60°	755.5
62.5°	646.6
65°	537.7
67.5°	435.6
70°	340.3
72.5°	255.2
75°	180.4
77.5°	115.7
80°	68.1
82.5°	40.8
85°	23.8
87.5°	10.2
90°	0.0



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— 0°-180°







(END OF REPORT)