

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: P203177

Luminaire Tested: **LD6B50D010TE EU6B30509027 6LBWMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203177
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 EU6B30509027 6LBWMW1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE 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: 4149.7 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

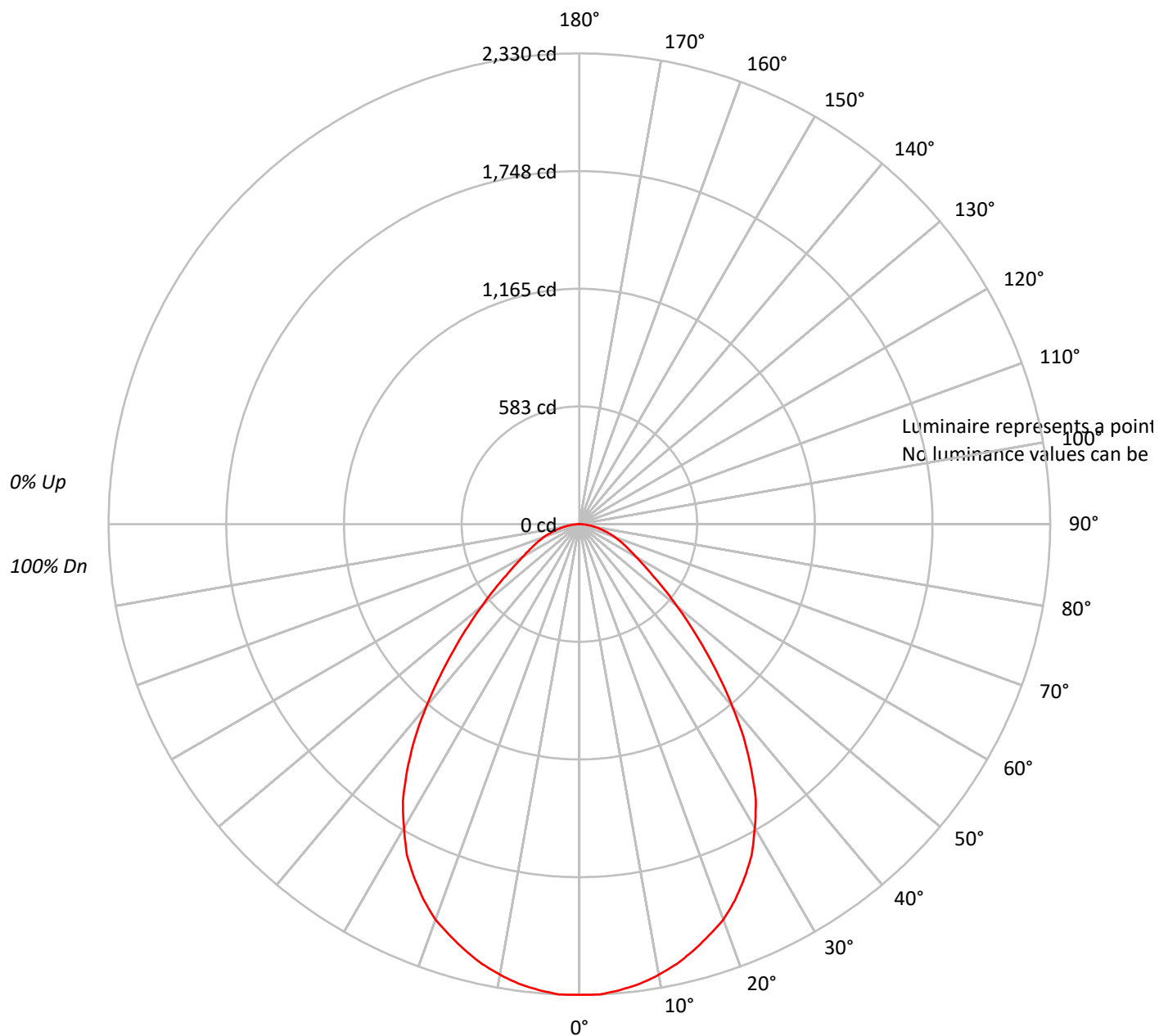
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	100		108	105	102	99		101	98	96		97	95	93		93	92	90
2	103	96	90	86		100	94	89	85		91	86	83		88	84	81		85	82	79
3	95	86	80	74		93	85	79	74		82	77	72		80	75	71		77	73	70
4	89	78	71	65		86	77	70	65		75	69	64		72	67	63		70	66	62
5	82	71	64	58		80	70	63	58		68	62	57		66	61	56		65	60	56
6	77	65	57	52		75	64	57	52		63	56	51		61	55	51		60	54	50
7	72	60	52	47		70	59	52	47		58	51	46		56	50	46		55	50	46
8	67	55	48	42		66	55	47	42		53	47	42		52	46	42		51	46	42
9	63	51	44	39		62	51	44	39		50	43	39		49	43	38		48	42	38
10	60	48	40	36		58	47	40	36		46	40	36		45	40	35		45	39	35

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.5	5.3
10°-20°	615.5	14.8
20°-30°	886.8	21.4
30°-40°	920.7	22.2
40°-50°	680.7	16.4
50°-60°	406.6	9.8
60°-70°	247.1	6.0
70°-80°	135.3	3.3
80°-90°	37.7	0.9
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°	1721.7	41.5
0°-40°	2642.4	63.7
0°-60°	3729.7	89.9
0°-90°	4149.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4149.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2330	
5°	2315	219
15°	2184	615
25°	1933	887
35°	1485	921
45°	876	681
55°	443	407
65°	247	247
75°	126	135
85°	30	38
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2330.3
2.5°	2330.3
5°	2315.2
7.5°	2295.1
10°	2264.9
12.5°	2229.7
15°	2184.4
17.5°	2134.1
20°	2083.7
22.5°	2013.3
25°	1932.7
27.5°	1847.2
30°	1736.4
32.5°	1625.7
35°	1484.8
37.5°	1338.8
40°	1177.8
42.5°	1021.7
45°	875.8
47.5°	744.9
50°	629.1
52.5°	528.5
55°	442.9
57.5°	377.5
60°	322.1
62.5°	281.9
65°	246.6
67.5°	216.4
70°	186.2
72.5°	156.0
75°	125.8
77.5°	100.7
80°	75.5
82.5°	55.4
85°	30.2
87.5°	15.1
90°	0.0



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— 0°-180°







(END OF REPORT)