

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: P204109

Luminaire Tested: **LD6B50D010TE EU6B30509727 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204109
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 6LBNMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW 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: 2755.6 lumens
Efficiency: N/A
Efficacy: 46.9 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

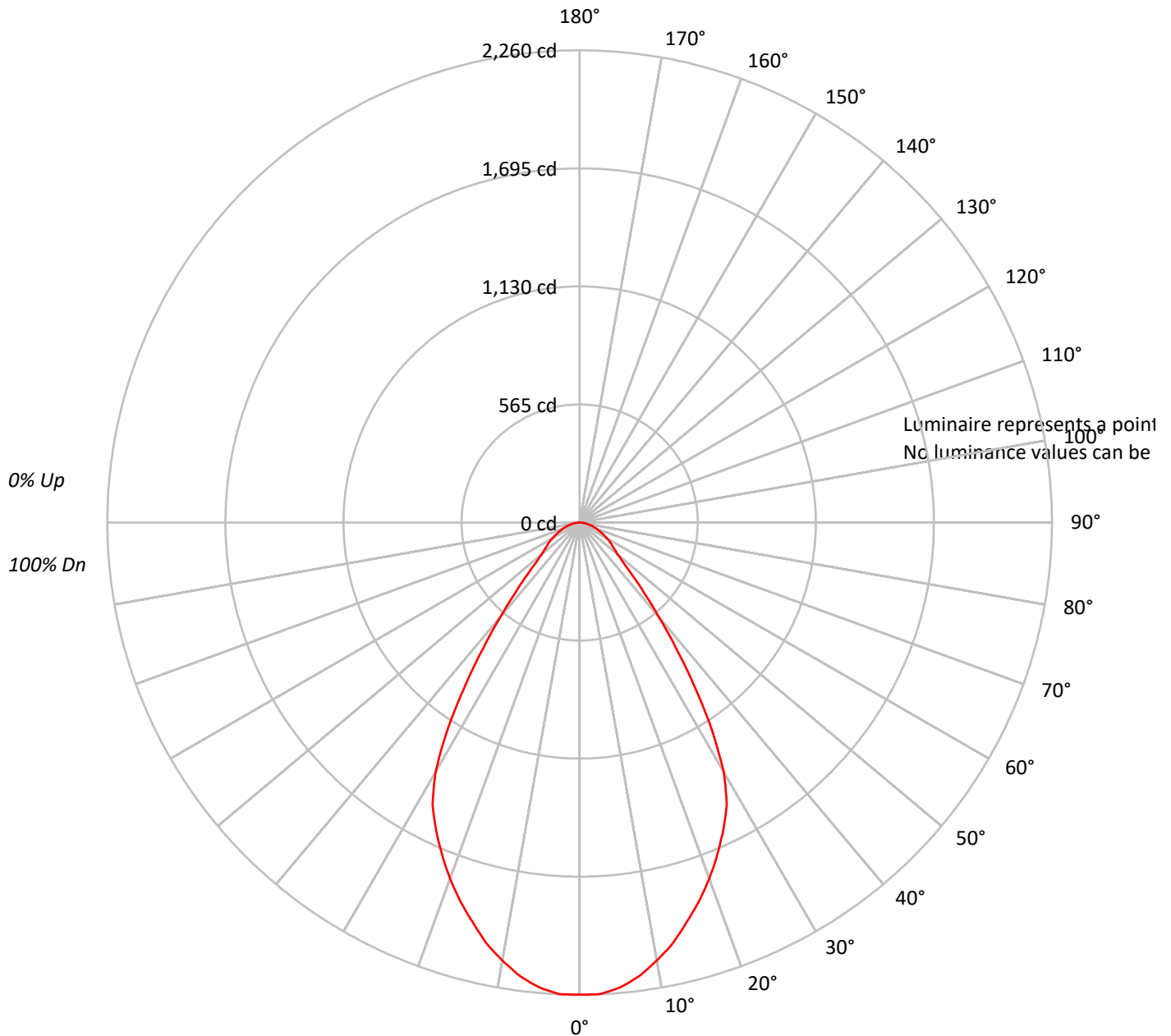
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	103		109	106	103	101		102	100	98		98	97	95		95	93	92
2	105	99	94	90		102	97	92	89		94	90	87		91	87	85		88	85	83
3	98	90	84	79		96	89	83	79		86	81	77		84	80	76		81	78	75
4	92	83	76	71		90	82	76	71		80	74	70		77	73	69		75	71	68
5	87	77	70	65		85	76	69	64		74	68	64		72	67	63		70	66	62
6	81	71	64	59		80	70	63	59		68	63	58		67	62	58		66	61	57
7	77	66	59	54		75	65	59	54		64	58	54		63	57	53		61	57	53
8	72	61	55	50		71	61	54	50		60	54	49		59	53	49		58	53	49
9	69	58	51	46		67	57	51	46		56	50	46		55	50	46		54	49	46
10	65	54	47	43		64	54	47	43		53	47	43		52	46	43		51	46	43

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.9	7.6
10°-20°	556.2	20.2
20°-30°	742.6	26.9
30°-40°	599.1	21.7
40°-50°	287.1	10.4
50°-60°	170.2	6.2
60°-70°	113.2	4.1
70°-80°	60.6	2.2
80°-90°	16.7	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°	1508.7	54.8
0°-40°	2107.9	76.5
0°-60°	2565.2	93.1
0°-90°	2755.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2755.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2260	
5°	2234	210
15°	1980	556
25°	1625	743
35°	959	599
45°	355	287
55°	188	170
65°	114	113
75°	57	61
85°	13	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2259.9
2.5°	2259.9
5°	2233.7
7.5°	2189.9
10°	2128.5
12.5°	2062.8
15°	1979.6
17.5°	1900.8
20°	1813.2
22.5°	1721.2
25°	1624.9
27.5°	1524.1
30°	1379.6
32.5°	1178.1
35°	959.2
37.5°	757.7
40°	586.9
42.5°	455.5
45°	354.8
47.5°	280.3
50°	236.5
52.5°	210.2
55°	188.3
57.5°	170.8
60°	148.9
62.5°	131.4
65°	113.9
67.5°	96.4
70°	83.2
72.5°	70.1
75°	56.9
77.5°	43.8
80°	35.0
82.5°	26.3
85°	13.1
87.5°	4.4
90°	0.0



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— 0°-180°







(END OF REPORT)