

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: P205432

Luminaire Tested: **LD6B50D010TE EU6B30508027 6LBSLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205432
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 6LBSLI1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SPECULAR CLEAR TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5512.3 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

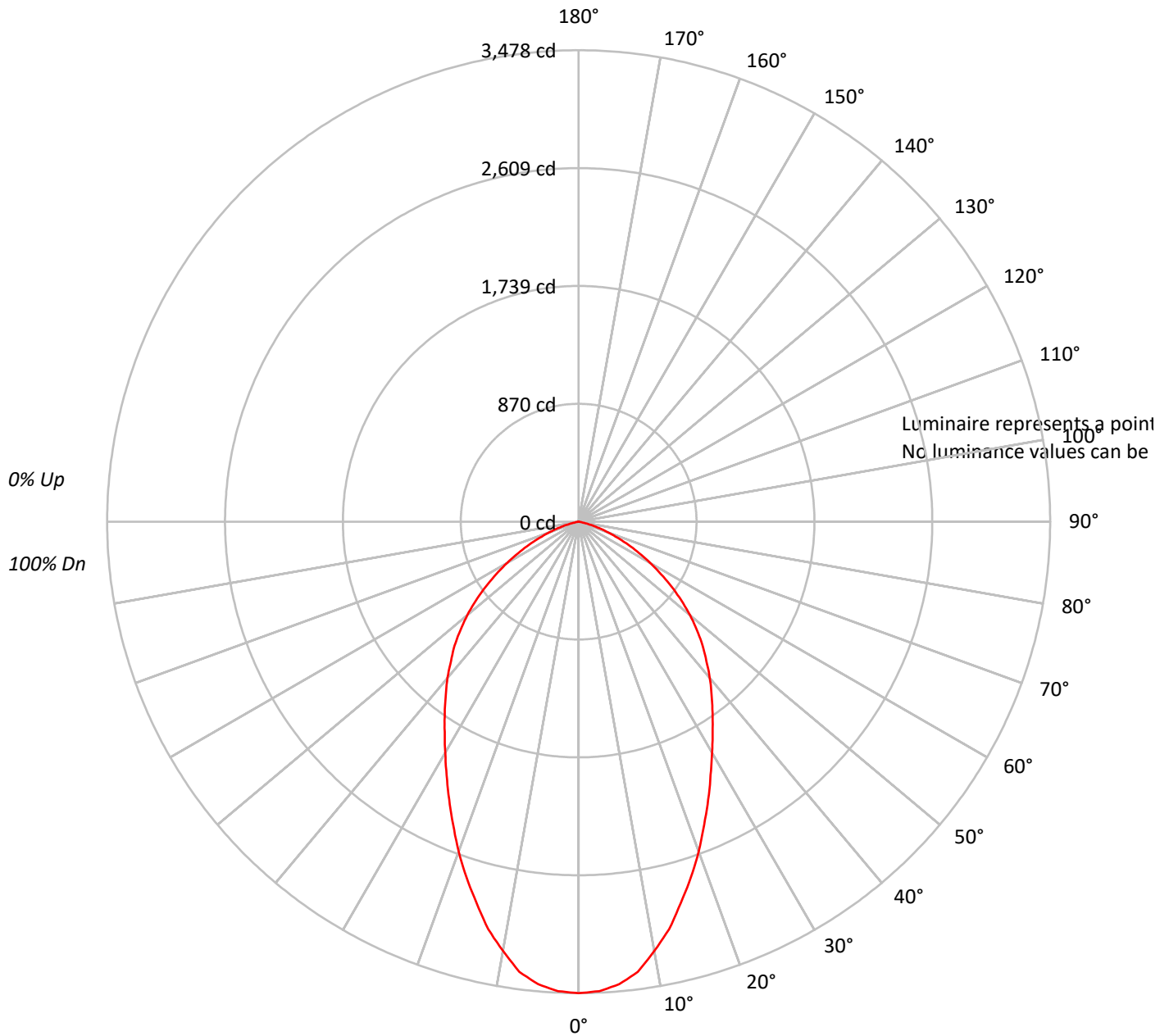
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101		109	105	102	99		101	99	96		97	95	93		94	92	91
2	103	96	91	86		100	94	89	85		91	87	83		88	84	81		85	82	79
3	95	86	79	74		93	85	78	73		82	76	72		79	75	71		77	73	70
4	88	78	70	64		86	77	69	64		74	68	63		72	67	62		70	65	62
5	82	71	63	57		80	70	62	57		67	61	56		66	60	55		64	59	55
6	76	64	56	51		74	63	56	51		62	55	50		60	54	50		59	53	49
7	71	59	51	46		70	58	51	45		57	50	45		55	49	45		54	49	45
8	67	54	47	41		65	54	46	41		52	46	41		51	45	41		50	45	41
9	63	50	43	38		61	50	43	38		49	42	38		48	42	37		47	41	37
10	59	47	40	35		58	46	39	35		45	39	35		45	39	34		44	38	34

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.5	5.8
10°-20°	816.0	14.8
20°-30°	1040.6	18.9
30°-40°	1079.1	19.6
40°-50°	994.4	18.0
50°-60°	748.0	13.6
60°-70°	403.8	7.3
70°-80°	108.3	2.0
80°-90°	1.6	0.0
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°	2177.2	39.5
0°-40°	3256.3	59.1
0°-60°	4998.6	90.7
0°-90°	5512.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5512.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3478	
5°	3426	321
15°	2910	816
25°	2260	1041
35°	1722	1079
45°	1294	994
55°	837	748
65°	404	404
75°	94	108
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3478.5
2.5°	3466.8
5°	3425.8
7.5°	3349.7
10°	3215.0
12.5°	3080.3
15°	2910.5
17.5°	2752.4
20°	2588.4
22.5°	2418.6
25°	2260.5
27.5°	2108.2
30°	1967.7
32.5°	1838.8
35°	1721.7
37.5°	1610.4
40°	1505.0
42.5°	1393.8
45°	1294.2
47.5°	1182.9
50°	1071.7
52.5°	954.5
55°	837.4
57.5°	720.3
60°	609.0
62.5°	503.6
65°	404.1
67.5°	310.4
70°	228.4
72.5°	158.1
75°	93.7
77.5°	41.0
80°	11.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)