

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: P204206

Luminaire Tested: **LD6B50D010TE EU6B30509024 6LBSH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204206
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 EU6B30509024 6LBSH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4022.4 lumens
Efficiency: N/A
Efficacy: 68.4 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

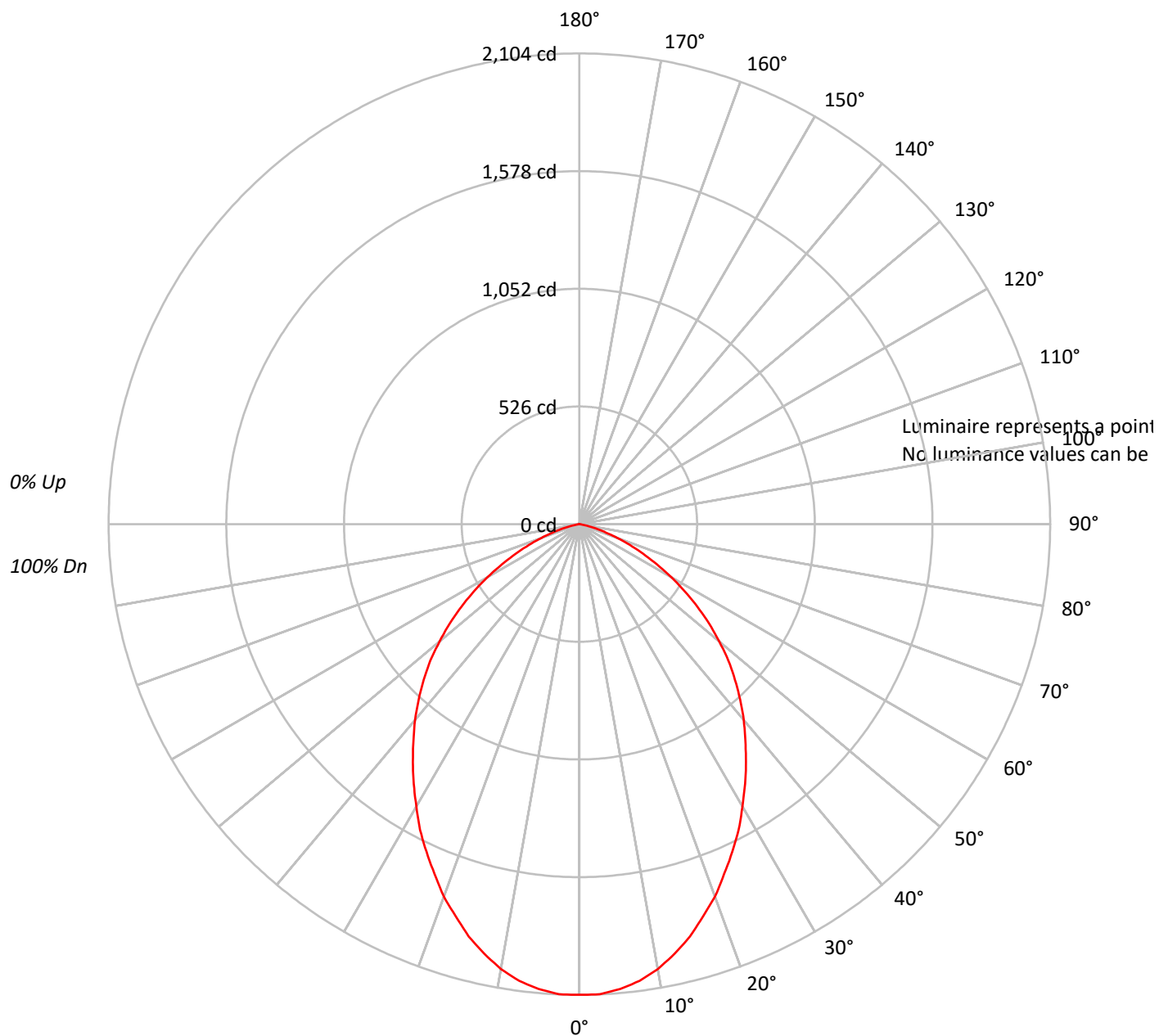
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204206

CATALOG NUMBER: LD6B50D010TE EU6B30509024 6LB5H1

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	108	105	102	99		101	98	96		97	95	93		93	92	90
2	102	96	90	85	100	94	88	84		90	86	82		87	83	80		84	81	79
3	95	85	78	73	92	84	77	72		81	75	71		78	74	70		76	72	69
4	87	77	69	63	85	75	68	63		73	67	62		71	65	61		69	64	60
5	81	69	61	55	79	68	61	55		66	60	55		64	59	54		63	58	53
6	75	63	55	49	73	62	54	49		60	54	49		59	53	48		57	52	48
7	70	58	50	44	68	57	49	44		55	49	44		54	48	43		53	47	43
8	65	53	45	40	64	52	45	40		51	44	39		50	44	39		49	43	39
9	61	49	41	36	60	48	41	36		47	40	36		46	40	36		45	40	35
10	58	45	38	33	56	45	38	33		44	37	33		43	37	33		42	37	33

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.0	4.9
10°-20°	535.6	13.3
20°-30°	743.8	18.5
30°-40°	811.7	20.2
40°-50°	757.2	18.8
50°-60°	574.7	14.3
60°-70°	314.7	7.8
70°-80°	86.6	2.2
80°-90°	1.2	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°	1476.4	36.7
0°-40°	2288.1	56.9
0°-60°	3620.0	90.0
0°-90°	4022.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4022.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2104	
5°	2086	197
15°	1909	536
25°	1616	744
35°	1298	812
45°	983	757
55°	642	575
65°	314	315
75°	75	87
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2103.7
2.5°	2103.7
5°	2086.0
7.5°	2059.4
10°	2019.6
12.5°	1966.4
15°	1908.9
17.5°	1838.0
20°	1771.6
22.5°	1691.8
25°	1616.5
27.5°	1541.3
30°	1457.1
32.5°	1377.4
35°	1297.7
37.5°	1217.9
40°	1142.7
42.5°	1062.9
45°	983.2
47.5°	903.5
50°	814.9
52.5°	730.8
55°	642.2
57.5°	558.0
60°	473.9
62.5°	389.7
65°	314.5
67.5°	243.6
70°	181.6
72.5°	124.0
75°	75.3
77.5°	35.4
80°	8.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)