

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: P204208

Luminaire Tested: **LD6B50D010TE EU6B30509030 6LBSH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204208
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 EU6B30509030 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: 4753.9 lumens
Efficiency: N/A
Efficacy: 80.9 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

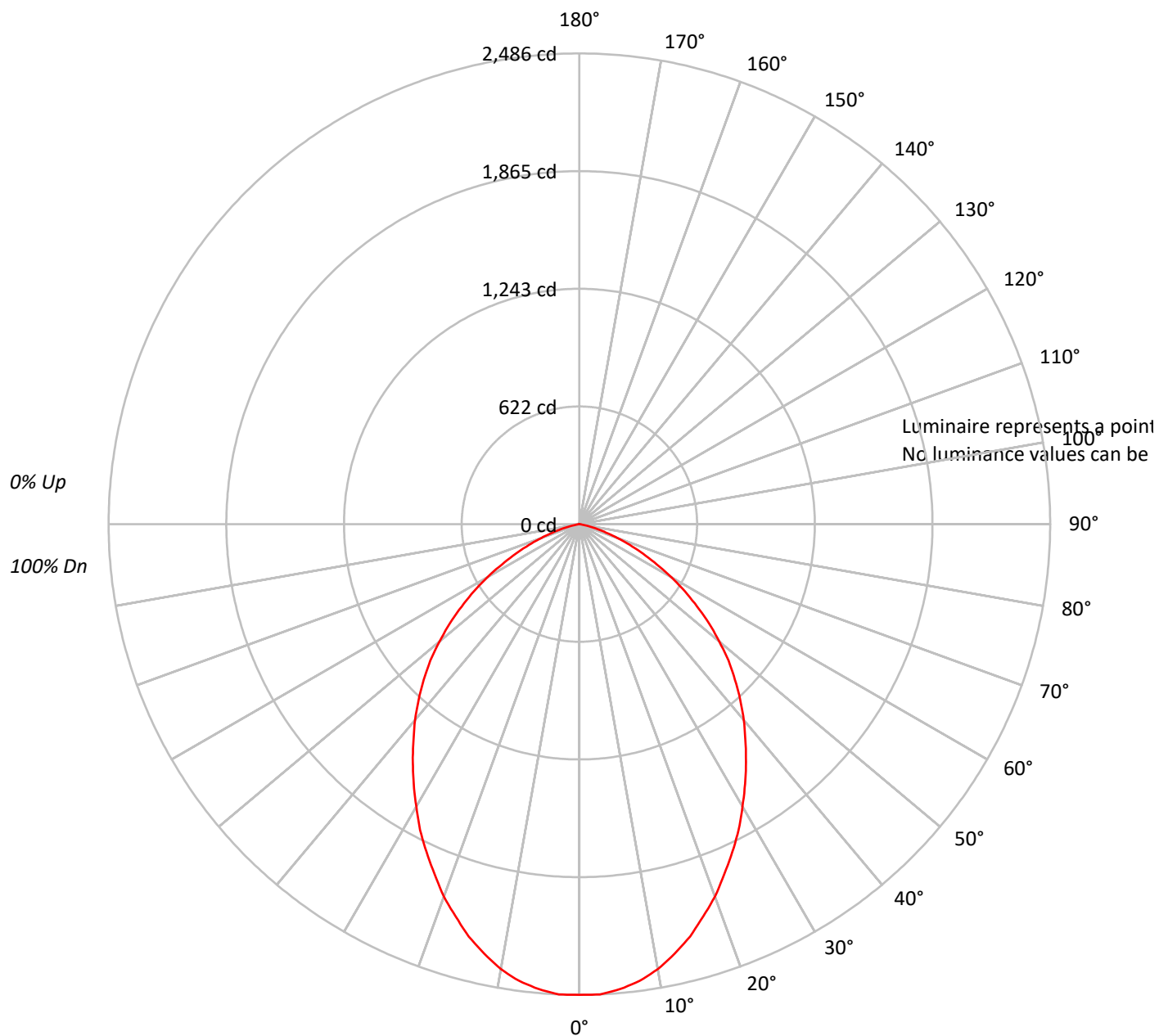
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204208

CATALOG NUMBER: LD6B50D010TE EU6B30509030 6LB5H1

Luminous Intensity Polar Plot





TEST NUMBER: P204208

CATALOG NUMBER: LD6B50D010TE EU6B30509030 6LBSH1

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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	111	107	104	101	108	105	102	99		101	98	96			97	95	93			93
2	102	96	90	85	100	94	88	84		90	86	82			87	83	80			84
3	95	85	78	73	92	84	77	72		81	75	71			78	74	70			76
4	87	77	69	63	85	75	68	63		73	67	62			71	65	61			69
5	81	69	61	55	79	68	61	55		66	60	55			64	59	54			63
6	75	63	55	49	73	62	54	49		60	54	49			59	53	48			57
7	70	58	50	44	68	57	49	44		55	49	44			54	48	43			53
8	65	53	45	40	64	52	45	40		51	44	39			50	44	39			49
9	61	49	41	36	60	48	41	36		47	40	36			46	40	36			45
10	58	45	38	33	56	45	38	33		44	37	33			43	37	33			42

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204208

CATALOG NUMBER: LD6B50D010TE EU6B30509030 6LBSH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.9	4.9
10°-20°	633.0	13.3
20°-30°	879.1	18.5
30°-40°	959.3	20.2
40°-50°	894.9	18.8
50°-60°	679.2	14.3
60°-70°	371.9	7.8
70°-80°	102.4	2.2
80°-90°	1.4	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°	1744.9	36.7
0°-40°	2704.2	56.9
0°-60°	4278.3	90.0
0°-90°	4753.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4753.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2486	
5°	2465	233
15°	2256	633
25°	1910	879
35°	1534	959
45°	1162	895
55°	759	679
65°	372	372
75°	89	102
85°	0	1
90°	0	



TEST NUMBER: P204208

CATALOG NUMBER: LD6B50D010TE EU6B30509030 6LBSH1

CANDELA DISTRIBUTION (FULL):

0°	
0°	2486.3
2.5°	2486.3
5°	2465.4
7.5°	2434.0
10°	2386.8
12.5°	2324.0
15°	2256.0
17.5°	2172.2
20°	2093.7
22.5°	1999.5
25°	1910.5
27.5°	1821.5
30°	1722.1
32.5°	1627.9
35°	1533.7
37.5°	1439.4
40°	1350.5
42.5°	1256.2
45°	1162.0
47.5°	1067.8
50°	963.1
52.5°	863.7
55°	759.0
57.5°	659.5
60°	560.1
62.5°	460.6
65°	371.6
67.5°	287.9
70°	214.6
72.5°	146.6
75°	89.0
77.5°	41.9
80°	10.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)