

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: P204209

Luminaire Tested: **LD6B50D010TE EU6B30509035 6LBSH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204209
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 EU6B30509035 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: 4822.1 lumens
Efficiency: N/A
Efficacy: 82.1 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

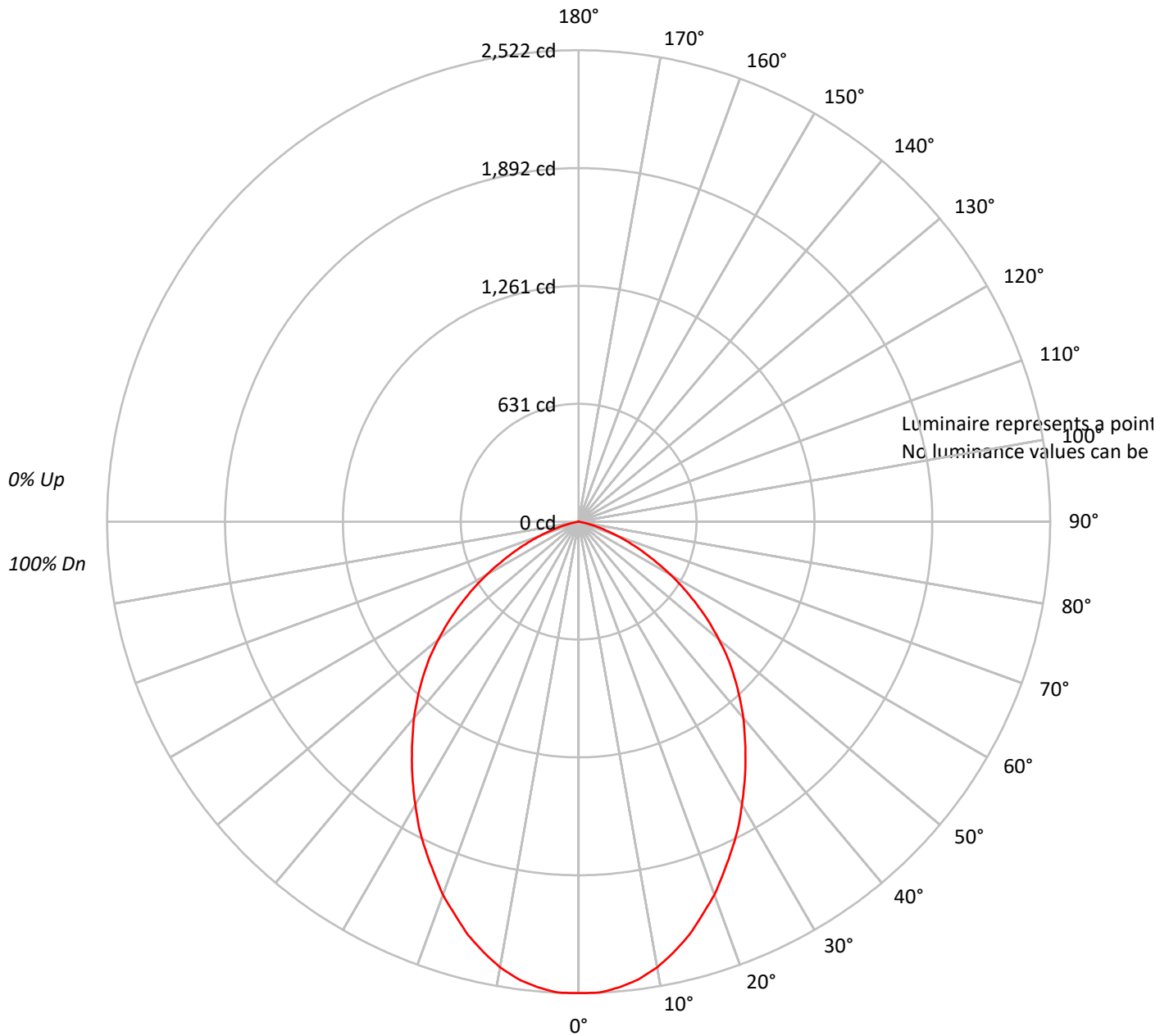
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204209

CATALOG NUMBER: LD6B50D010TE EU6B30509035 6LB5H1

Luminous Intensity Polar Plot





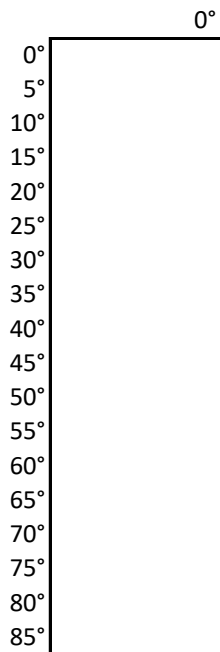
TEST NUMBER: P204209

CATALOG NUMBER: LD6B50D010TE EU6B30509035 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	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):





TEST NUMBER: P204209

CATALOG NUMBER: LD6B50D010TE EU6B30509035 6LBSH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.2	4.9
10°-20°	642.0	13.3
20°-30°	891.7	18.5
30°-40°	973.0	20.2
40°-50°	907.7	18.8
50°-60°	689.0	14.3
60°-70°	377.2	7.8
70°-80°	103.8	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°	1769.9	36.7
0°-40°	2743.0	56.9
0°-60°	4339.6	90.0
0°-90°	4822.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4822.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2522	
5°	2501	236
15°	2288	642
25°	1938	892
35°	1556	973
45°	1179	908
55°	770	689
65°	377	377
75°	90	104
85°	0	1
90°	0	



TEST NUMBER: P204209

CATALOG NUMBER: LD6B50D010TE EU6B30509035 6LBSH1

CANDELA DISTRIBUTION (FULL):

0°	
0°	2521.9
2.5°	2521.9
5°	2500.7
7.5°	2468.8
10°	2421.0
12.5°	2357.3
15°	2288.3
17.5°	2203.4
20°	2123.7
22.5°	2028.2
25°	1937.9
27.5°	1847.6
30°	1746.8
32.5°	1651.2
35°	1555.6
37.5°	1460.1
40°	1369.8
42.5°	1274.2
45°	1178.7
47.5°	1083.1
50°	976.9
52.5°	876.0
55°	769.9
57.5°	669.0
60°	568.1
62.5°	467.2
65°	377.0
67.5°	292.0
70°	217.7
72.5°	148.7
75°	90.3
77.5°	42.5
80°	10.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)