

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: P205138

Luminaire Tested: **LD6B50D010TE EU6B30509727 6LBMLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205138
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 6LBMLI1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM 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: 3416.2 lumens
Efficiency: N/A
Efficacy: 58.1 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

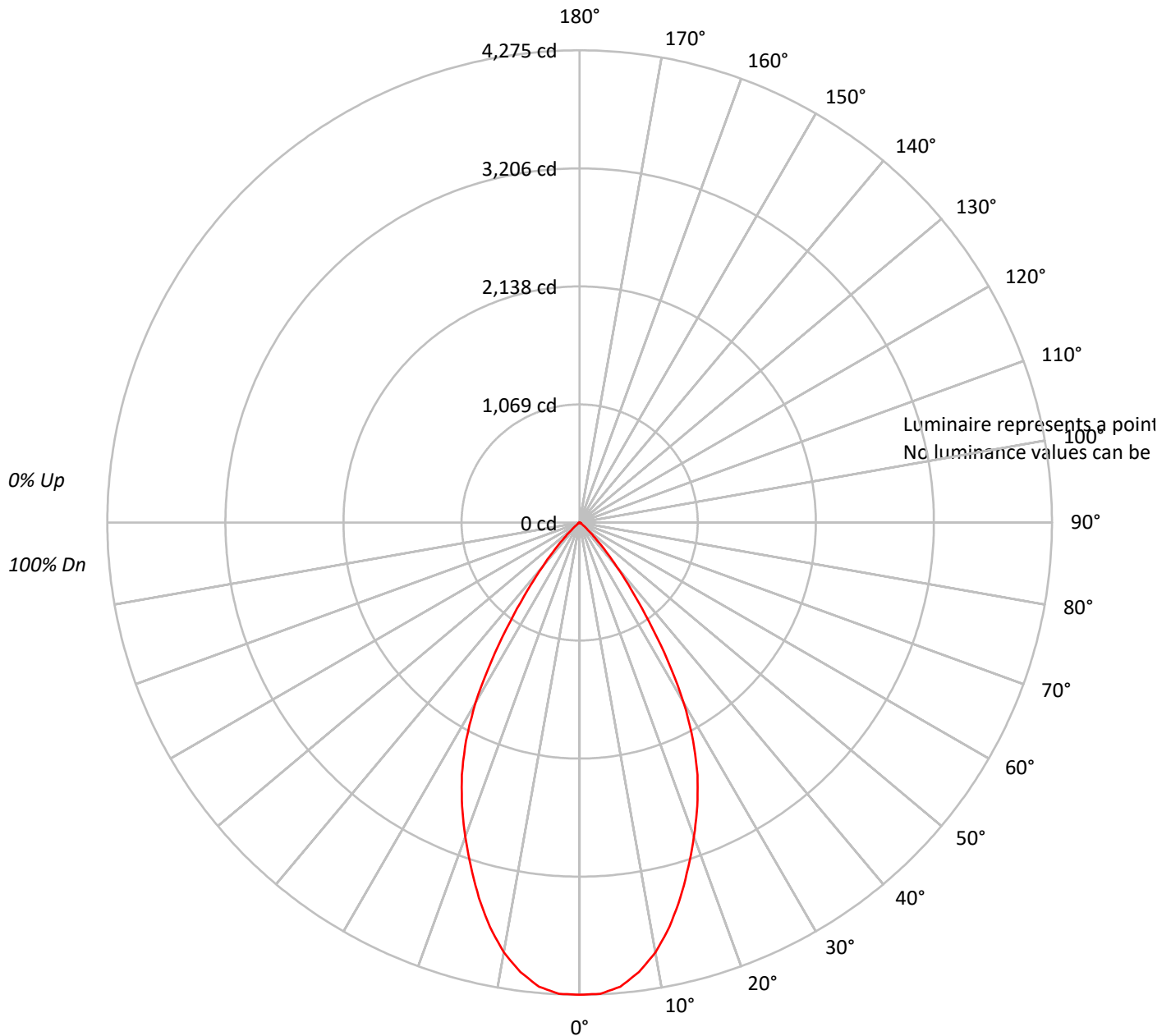
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P205138

CATALOG NUMBER: LD6B50D010TE EU6B30509727 6LBMLI1

Luminous Intensity Polar Plot





TEST NUMBER: P205138

CATALOG NUMBER: LD6B50D010TE EU6B30509727 6LBMLI1

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	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98
2	108	103	100	96	106	102	98	95	99	96	93		96	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	85	81	96	89	84	81	87	83	80		85	82	79		83
5	93	85	79	75	91	84	79	75	82	78	74		81	77	73		79
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75
7	84	75	69	65	83	75	69	65	73	68	65		72	68	64		71
8	80	71	65	61	79	70	65	61	69	64	61		68	64	60		67
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	57	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P205138

CATALOG NUMBER: LD6B50D010TE EU6B30509727 6LBMLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.8	11.5
10°-20°	980.5	28.7
20°-30°	1139.8	33.4
30°-40°	698.0	20.4
40°-50°	173.3	5.1
50°-60°	20.3	0.6
60°-70°	7.5	0.2
70°-80°	2.9	0.1
80°-90°	0.0	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°	2514.2	73.6
0°-40°	3212.2	94.0
0°-60°	3405.8	99.7
0°-90°	3416.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3416.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4275	
5°	4218	394
15°	3519	981
25°	2522	1140
35°	1093	698
45°	192	173
55°	18	20
65°	9	8
75°	4	3
85°	0	0
90°	0	



TEST NUMBER: P205138

CATALOG NUMBER: LD6B50D010TE EU6B30509727 6LBMLI1

CANDELA DISTRIBUTION (FULL):

0°	
0°	4275.2
2.5°	4270.8
5°	4218.4
7.5°	4104.7
10°	3951.7
12.5°	3750.6
15°	3518.9
17.5°	3269.8
20°	3025.0
22.5°	2780.2
25°	2522.3
27.5°	2225.0
30°	1884.1
32.5°	1486.3
35°	1092.8
37.5°	769.4
40°	524.6
42.5°	327.9
45°	192.3
47.5°	109.3
50°	56.8
52.5°	26.2
55°	17.5
57.5°	13.1
60°	13.1
62.5°	8.7
65°	8.7
67.5°	4.4
70°	4.4
72.5°	4.4
75°	4.4
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)