

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: P205123

Luminaire Tested: **LD6B40D010 EU6B30509040 6LBMLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205123
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: LD6B40D010 EU6B30509040 6LBMLI1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH SPECULAR CLEAR TRIM
WATTAGE D010TR-43.02 W DE010-42.54 W D5LT-42.539 W DMX-41.87 W DL2-41.57
W DL3-44.71 W DLE-39.33 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3243.7 lumens
Efficiency: N/A
Efficacy: 77.6 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

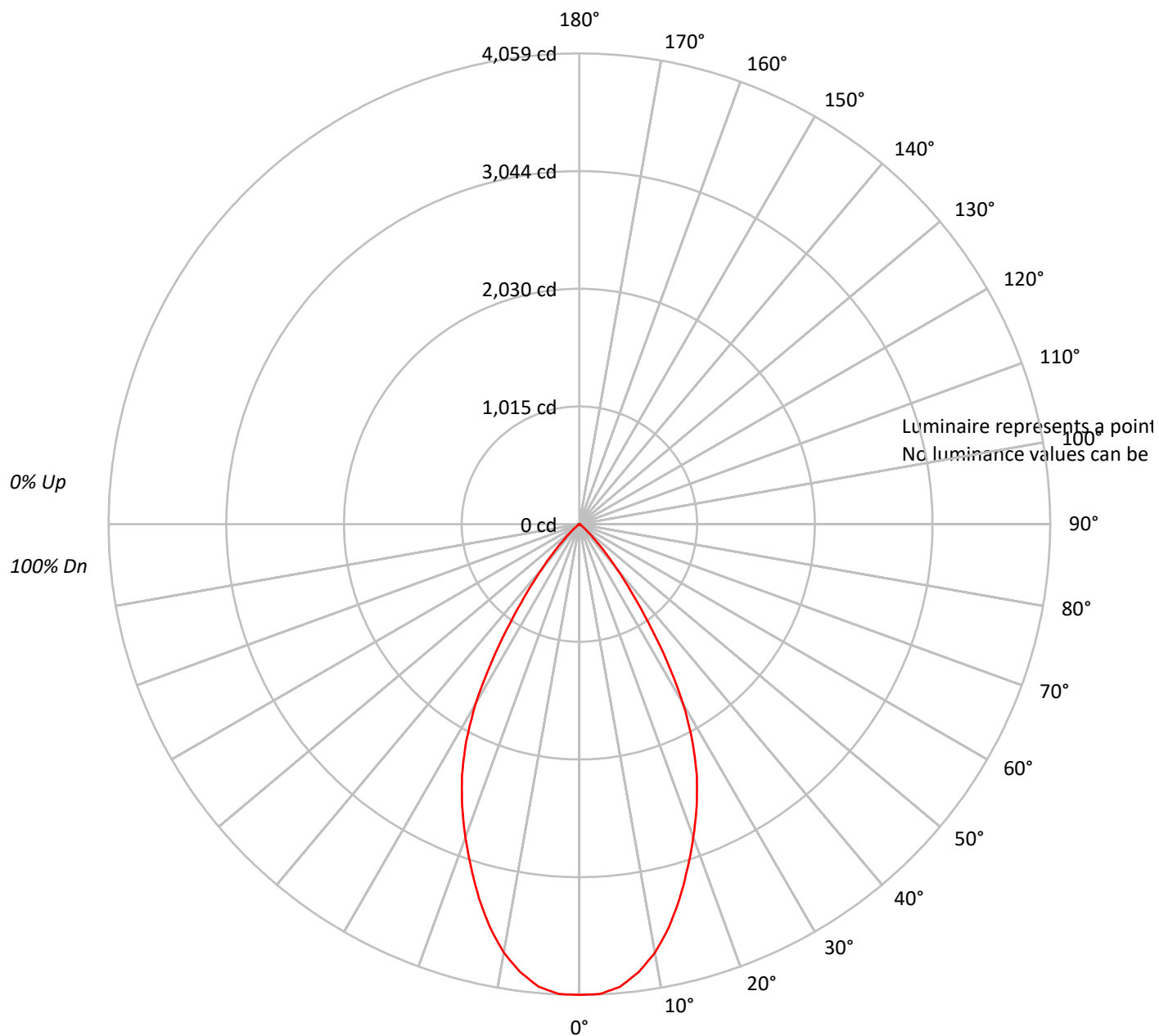
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P205123

CATALOG NUMBER: LD6B40D010 EU6B30509040 6LBMLI1

Luminous Intensity Polar Plot





TEST NUMBER: P205123

CATALOG NUMBER: LD6B40D010 EU6B30509040 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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	114	111	109	106		111	109	107	105		105	103	101			101	100	98			94
2	108	103	100	96		106	102	98	95		99	96	93			96	93	91			88
3	103	97	92	88		101	95	91	87		93	89	86			90	87	85			82
4	98	91	85	81		96	89	84	81		87	83	80			85	82	79			76
5	93	85	79	75		91	84	79	75		82	78	74			81	77	73			71
6	89	80	74	70		87	79	74	70		78	73	69			76	72	69			67
7	84	75	69	65		83	75	69	65		73	68	65			72	68	64			63
8	80	71	65	61		79	70	65	61		69	64	61			68	64	60			59
9	77	67	61	57		75	67	61	57		66	61	57			65	60	57			55
10	73	64	58	54		72	63	58	54		62	57	54			62	57	54			52

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P205123

CATALOG NUMBER: LD6B40D010 EU6B30509040 6LBMLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.9	11.5
10°-20°	931.0	28.7
20°-30°	1082.2	33.4
30°-40°	662.7	20.4
40°-50°	164.6	5.1
50°-60°	19.3	0.6
60°-70°	7.2	0.2
70°-80°	2.8	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°	2387.2	73.6
0°-40°	3049.9	94.0
0°-60°	3233.8	99.7
0°-90°	3243.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3243.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4059	
5°	4005	374
15°	3341	931
25°	2395	1082
35°	1038	663
45°	183	165
55°	17	19
65°	8	7
75°	4	3
85°	0	0
90°	0	



TEST NUMBER: P205123

CATALOG NUMBER: LD6B40D010 EU6B30509040 6LBMLI1

CANDELA DISTRIBUTION (FULL):

0°	
0°	4059.3
2.5°	4055.1
5°	4005.3
7.5°	3897.4
10°	3752.1
12.5°	3561.2
15°	3341.2
17.5°	3104.6
20°	2872.2
22.5°	2639.8
25°	2394.9
27.5°	2112.7
30°	1788.9
32.5°	1411.2
35°	1037.6
37.5°	730.5
40°	498.1
42.5°	311.3
45°	182.6
47.5°	103.8
50°	54.0
52.5°	24.9
55°	16.6
57.5°	12.5
60°	12.5
62.5°	8.3
65°	8.3
67.5°	4.2
70°	4.2
72.5°	4.2
75°	4.2
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)