

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: P205219

Luminaire Tested: **LD6B40D010 EU6B30508050 6LBWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205219
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 EU6B30508050 6LBWLI1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE 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: 4370.5 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

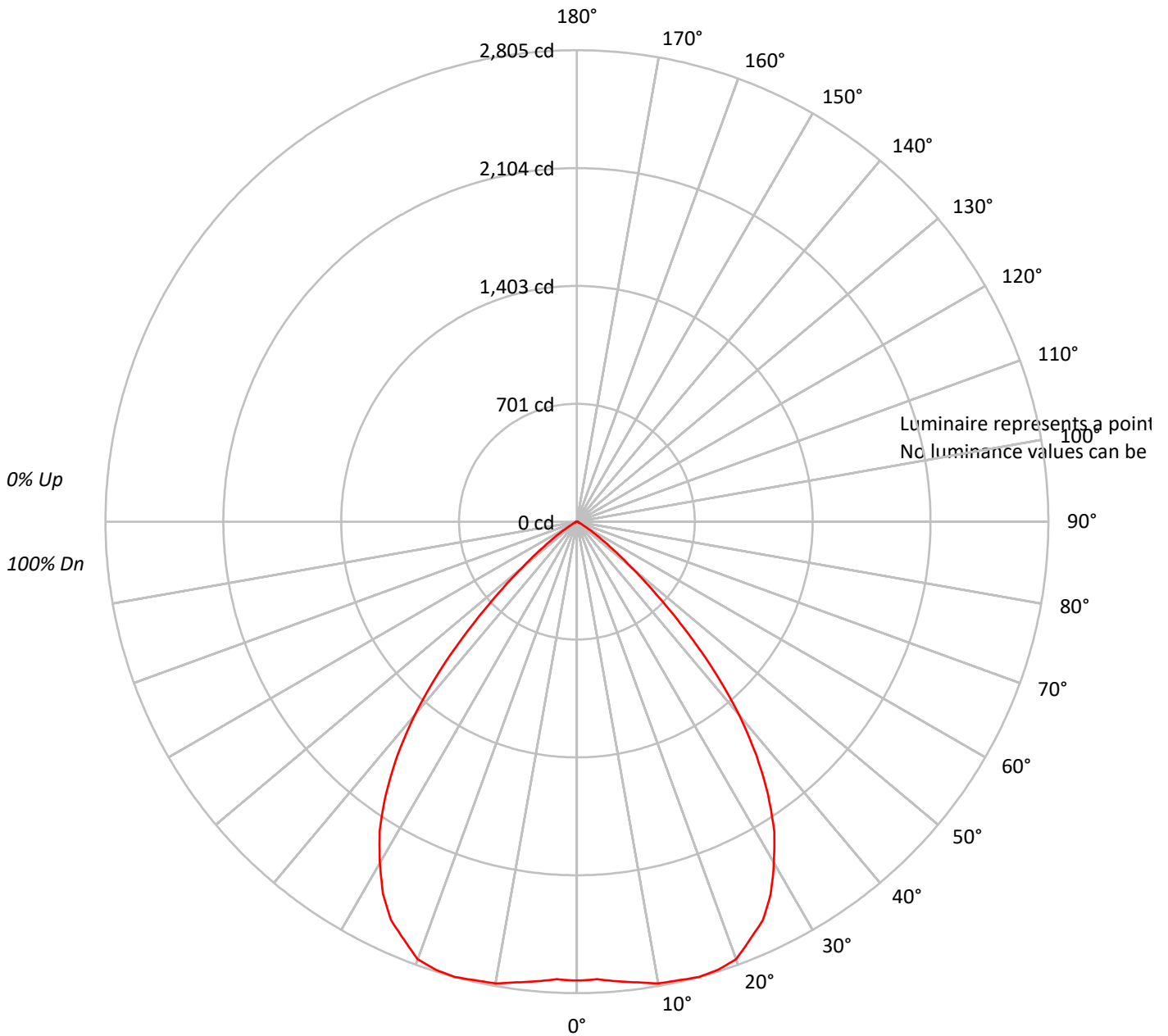
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P205219

CATALOG NUMBER: LD6B40D010 EU6B30508050 6LBWLI1

Luminous Intensity Polar Plot





TEST NUMBER: P205219

CATALOG NUMBER: LD6B40D010 EU6B30508050 6LBWLI1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20	
RC	80				70				50				30				10				0	
RW	70	50	30	10	70	50	30	10	50	30	10	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	102	102	102	100				100
1	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92				92
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83				83
3	100	92	87	82	97	91	86	81	88	84	80	86	82	79	83	80	77	76				76
4	93	85	78	73	92	84	78	73	81	76	72	79	75	71	77	74	70	69				69
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63				63
6	82	72	65	60	81	71	65	60	70	64	59	68	63	59	67	62	59	57				57
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52				52
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48				48
9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	46	44				44
10	65	54	47	43	64	53	47	42	52	46	42	51	46	42	51	46	42	41				41

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P205219

CATALOG NUMBER: LD6B40D010 EU6B30508050 6LBWLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.4	6.0
10°-20°	791.7	18.1
20°-30°	1193.4	27.3
30°-40°	1221.5	27.9
40°-50°	711.6	16.3
50°-60°	163.5	3.7
60°-70°	20.1	0.5
70°-80°	5.3	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°	2248.5	51.4
0°-40°	3470.0	79.4
0°-60°	4345.1	99.4
0°-90°	4370.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4370.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2730	
5°	2745	263
15°	2805	792
25°	2616	1193
35°	1982	1221
45°	917	712
55°	159	164
65°	15	20
75°	5	5
85°	0	0
90°	0	



TEST NUMBER: P205219

CATALOG NUMBER: LD6B40D010 EU6B30508050 6LBWLI1

CANDELA DISTRIBUTION (FULL):

	0°
0°	2730.3
2.5°	2725.3
5°	2745.1
7.5°	2764.9
10°	2789.7
12.5°	2794.7
15°	2804.6
17.5°	2794.7
20°	2769.9
22.5°	2690.6
25°	2616.3
27.5°	2497.4
30°	2343.8
32.5°	2185.2
35°	1982.0
37.5°	1754.1
40°	1501.4
42.5°	1219.0
45°	916.7
47.5°	639.2
50°	421.2
52.5°	267.6
55°	158.6
57.5°	84.2
60°	44.6
62.5°	24.8
65°	14.9
67.5°	14.9
70°	9.9
72.5°	5.0
75°	5.0
77.5°	5.0
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)