

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: P205224

Luminaire Tested: **LD6B40D010 EU6B30509040 6LBWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205224
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 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: 3663.2 lumens
Efficiency: N/A
Efficacy: 87.6 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

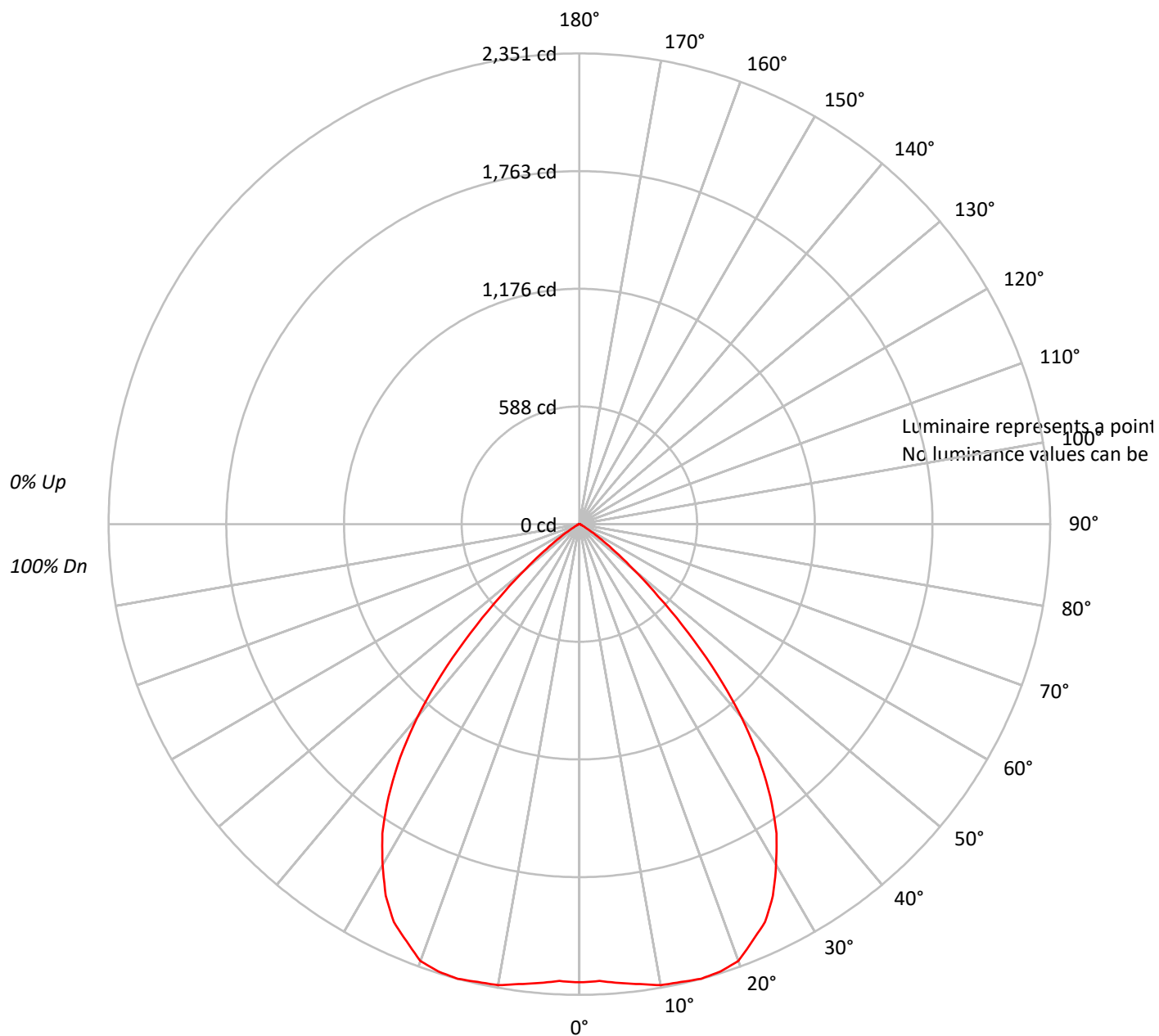
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P205224

CATALOG NUMBER: LD6B40D010 EU6B30509040 6LBWLI1

Luminous Intensity Polar Plot





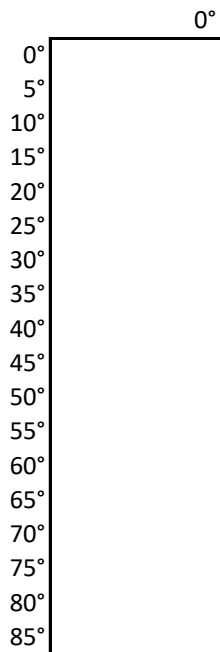
TEST NUMBER: P205224

CATALOG NUMBER: LD6B40D010 EU6B30509040 6LBWLI1

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

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P205224

CATALOG NUMBER: LD6B40D010 EU6B30509040 6LBWLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.8	6.0
10°-20°	663.6	18.1
20°-30°	1000.3	27.3
30°-40°	1023.8	27.9
40°-50°	596.4	16.3
50°-60°	137.0	3.7
60°-70°	16.9	0.5
70°-80°	4.4	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°	1884.6	51.4
0°-40°	2908.4	79.4
0°-60°	3641.9	99.4
0°-90°	3663.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3663.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2288	
5°	2301	221
15°	2351	664
25°	2193	1000
35°	1661	1024
45°	768	596
55°	133	137
65°	12	17
75°	4	4
85°	0	0
90°	0	



TEST NUMBER: P205224

CATALOG NUMBER: LD6B40D010 EU6B30509040 6LBWLI1

CANDELA DISTRIBUTION (FULL):

	0°
0°	2288.4
2.5°	2284.3
5°	2300.9
7.5°	2317.5
10°	2338.2
12.5°	2342.4
15°	2350.7
17.5°	2342.4
20°	2321.6
22.5°	2255.2
25°	2192.9
27.5°	2093.2
30°	1964.5
32.5°	1831.6
35°	1661.3
37.5°	1470.2
40°	1258.4
42.5°	1021.7
45°	768.3
47.5°	535.8
50°	353.0
52.5°	224.3
55°	132.9
57.5°	70.6
60°	37.4
62.5°	20.8
65°	12.5
67.5°	12.5
70°	8.3
72.5°	4.2
75°	4.2
77.5°	4.2
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)