

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: P205325

Luminaire Tested: **LD6B40D010 EU6B30509040 6LBNLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205325
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 6LBNLI1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW 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: 2882.4 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.58
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

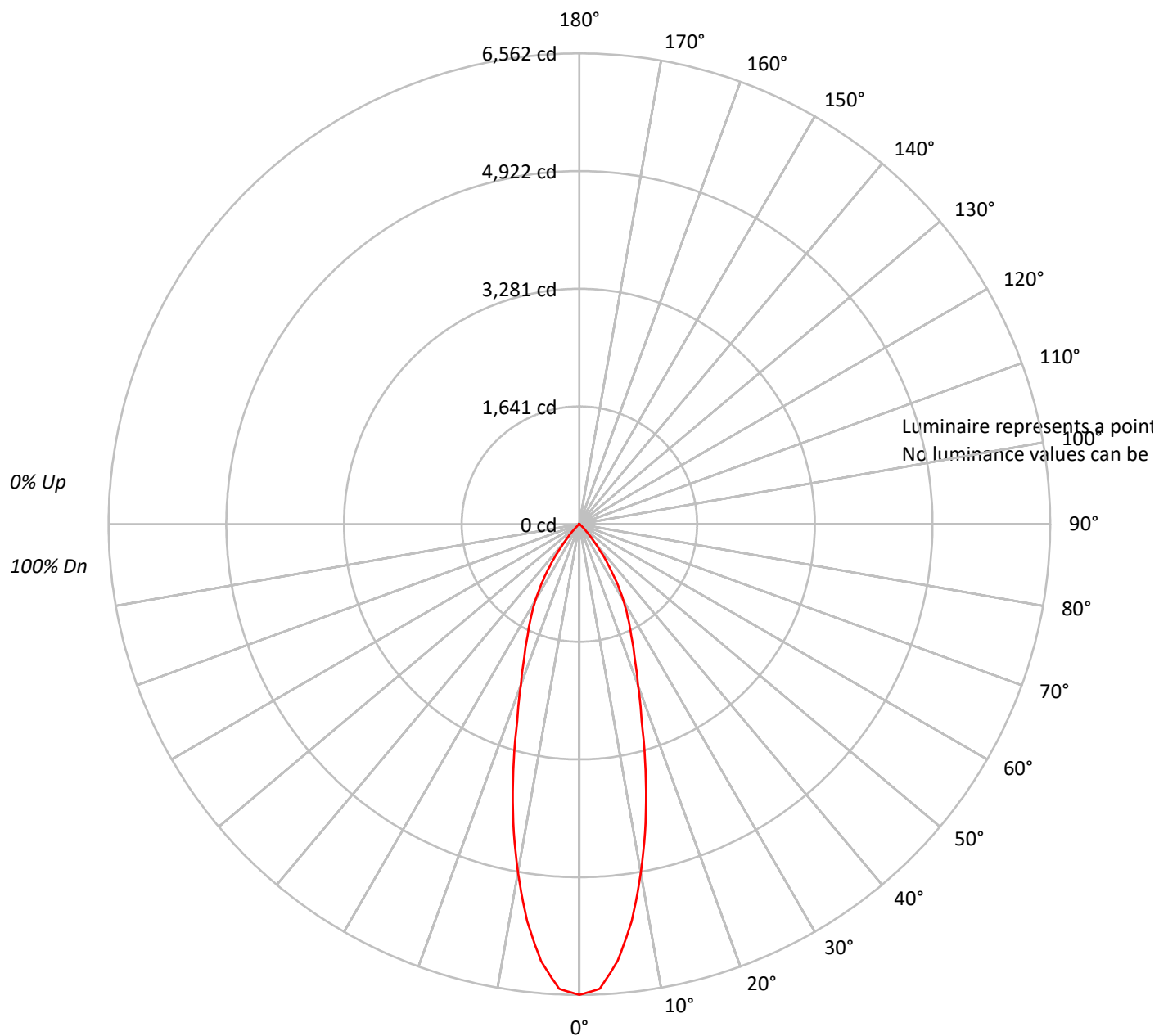
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P205325

CATALOG NUMBER: LD6B40D010 EU6B30509040 6LBNLI1

Luminous Intensity Polar Plot





TEST NUMBER: P205325

CATALOG NUMBER: LD6B40D010 EU6B30509040 6LBNLI1

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	114	112	109	107		112	109	107	106		105	104	102		102	101	99		98	97	96
2	109	105	101	98		107	103	100	97		100	97	95		97	95	93		94	93	91
3	105	99	94	91		103	97	93	90		95	91	89		93	90	87		90	88	86
4	100	93	88	85		98	92	88	84		90	86	83		88	85	82		86	84	81
5	96	88	83	79		94	87	83	79		86	82	78		84	81	78		83	80	77
6	92	84	79	75		90	83	78	75		82	77	74		80	76	74		79	76	73
7	88	80	74	71		87	79	74	71		78	73	70		77	73	70		76	72	69
8	84	76	71	67		83	75	70	67		74	70	67		73	69	66		73	69	66
9	81	73	67	64		80	72	67	64		71	67	63		70	66	63		70	66	63
10	78	69	64	61		77	69	64	61		68	64	61		67	63	60		67	63	60

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P205325

CATALOG NUMBER: LD6B40D010 EU6B30509040 6LBNLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	545.6	18.9
10°-20°	979.3	34.0
20°-30°	791.8	27.5
30°-40°	456.1	15.8
40°-50°	96.4	3.3
50°-60°	8.3	0.3
60°-70°	4.2	0.1
70°-80°	0.5	0.0
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°	2316.8	80.4
0°-40°	2772.9	96.2
0°-60°	2877.7	99.8
0°-90°	2882.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2882.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6562	
5°	6114	546
15°	3558	979
25°	1708	792
35°	723	456
45°	104	96
55°	8	8
65°	4	4
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P205325

CATALOG NUMBER: LD6B40D010 EU6B30509040 6LBNLI1

CANDELA DISTRIBUTION (FULL):

	0°
0°	6562.4
2.5°	6483.5
5°	6113.6
7.5°	5581.6
10°	4929.1
12.5°	4260.0
15°	3557.6
17.5°	2880.2
20°	2385.6
22.5°	2007.4
25°	1708.1
27.5°	1454.6
30°	1226.0
32.5°	972.5
35°	723.2
37.5°	502.9
40°	328.3
42.5°	199.5
45°	103.9
47.5°	41.6
50°	12.5
52.5°	12.5
55°	8.3
57.5°	8.3
60°	4.2
62.5°	4.2
65°	4.2
67.5°	4.2
70°	4.2
72.5°	0.0
75°	0.0
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)