

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: P204121

Luminaire Tested: **LD6B60D010TE EU6B60709050 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204121
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: LD6B60D010TE EU6B60709050 6LBNMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3756.6 lumens
Efficiency: N/A
Efficacy: 60.1 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

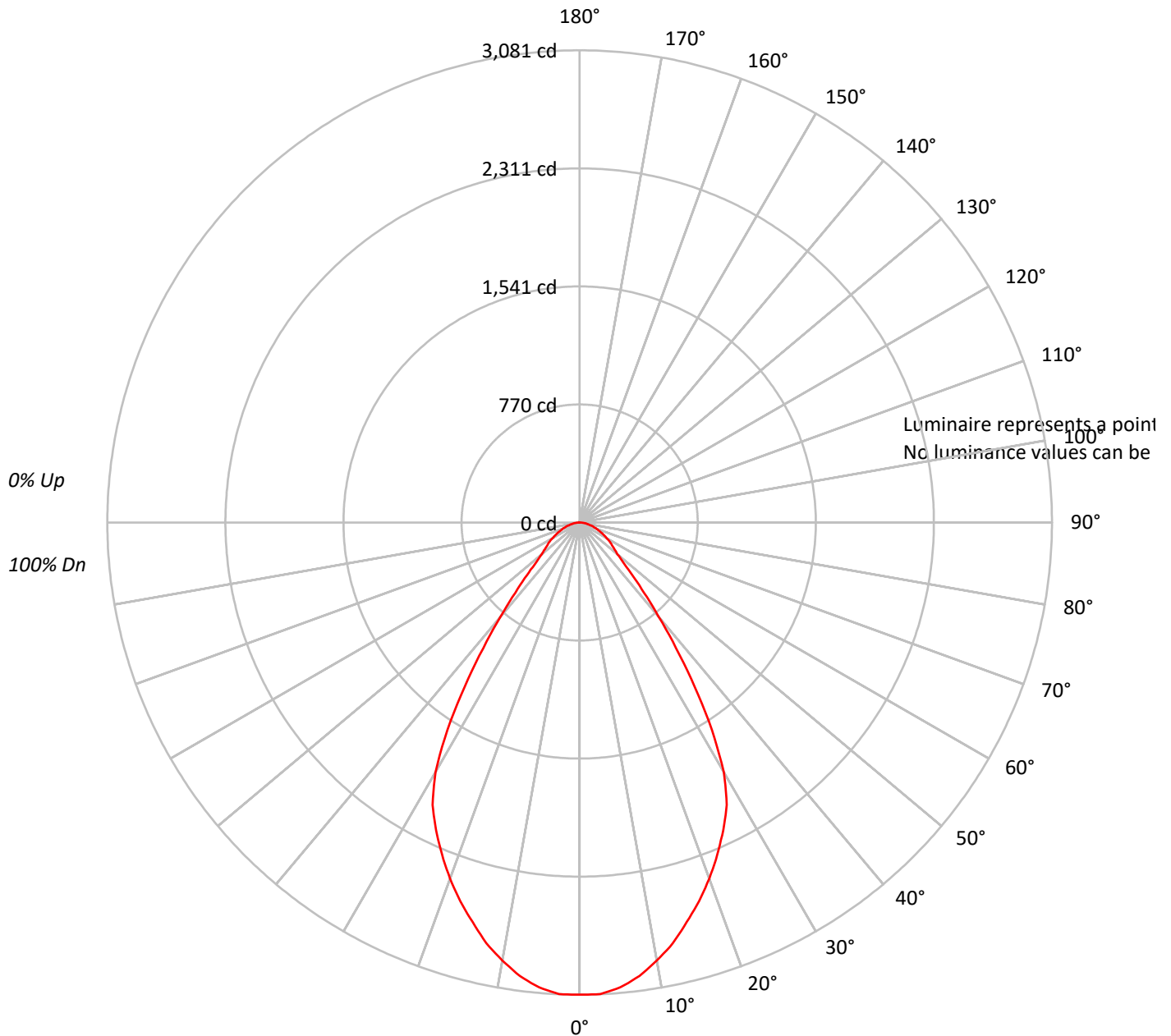
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204121

CATALOG NUMBER: LD6B60D010TE EU6B60709050 6LBNMW1

Luminous Intensity Polar Plot





TEST NUMBER: P204121

CATALOG NUMBER: LD6B60D010TE EU6B60709050 6LBNMW1

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	112	108	105	103	109	106	103	101		102	100	98		98	97	95		95	93	92
2	105	99	94	90	102	97	92	89		94	90	87		91	87	85		88	85	83
3	98	90	84	79	96	89	83	79		86	81	77		84	80	76		81	78	75
4	92	83	76	71	90	82	76	71		80	74	70		77	73	69		75	71	68
5	87	77	70	65	85	76	69	64		74	68	64		72	67	63		70	66	62
6	81	71	64	59	80	70	63	59		68	63	58		67	62	58		66	61	57
7	77	66	59	54	75	65	59	54		64	58	54		63	57	53		61	57	53
8	72	61	55	50	71	61	54	50		60	54	49		59	53	49		58	53	49
9	69	58	51	46	67	57	51	46		56	50	46		55	50	46		54	49	46
10	65	54	47	43	64	54	47	43		53	47	43		52	46	43		51	46	43

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204121

CATALOG NUMBER: LD6B60D010TE EU6B60709050 6LBNMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.1	7.6
10°-20°	758.3	20.2
20°-30°	1012.4	27.0
30°-40°	816.8	21.7
40°-50°	391.4	10.4
50°-60°	232.0	6.2
60°-70°	154.2	4.1
70°-80°	82.6	2.2
80°-90°	22.7	0.6
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°	2056.8	54.8
0°-40°	2873.5	76.5
0°-60°	3497.0	93.1
0°-90°	3756.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3756.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3081	
5°	3045	286
15°	2699	758
25°	2215	1012
35°	1308	817
45°	484	391
55°	257	232
65°	155	154
75°	78	83
85°	18	23
90°	0	



TEST NUMBER: P204121

CATALOG NUMBER: LD6B60D010TE EU6B60709050 6LBNMW1

CANDELA DISTRIBUTION (FULL):

	0°
0°	3080.8
2.5°	3080.8
5°	3045.0
7.5°	2985.3
10°	2901.7
12.5°	2812.2
15°	2698.7
17.5°	2591.2
20°	2471.8
22.5°	2346.5
25°	2215.1
27.5°	2077.8
30°	1880.7
32.5°	1606.1
35°	1307.6
37.5°	1032.9
40°	800.1
42.5°	620.9
45°	483.6
47.5°	382.1
50°	322.4
52.5°	286.6
55°	256.7
57.5°	232.9
60°	203.0
62.5°	179.1
65°	155.2
67.5°	131.4
70°	113.4
72.5°	95.5
75°	77.6
77.5°	59.7
80°	47.8
82.5°	35.8
85°	17.9
87.5°	6.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)