

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: P203701

Luminaire Tested: **LD6B60D010TE EU6B60708035 6LBNH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203701
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 EU6B60708035 6LBNH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3852.6 lumens
Efficiency: N/A
Efficacy: 61.7 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

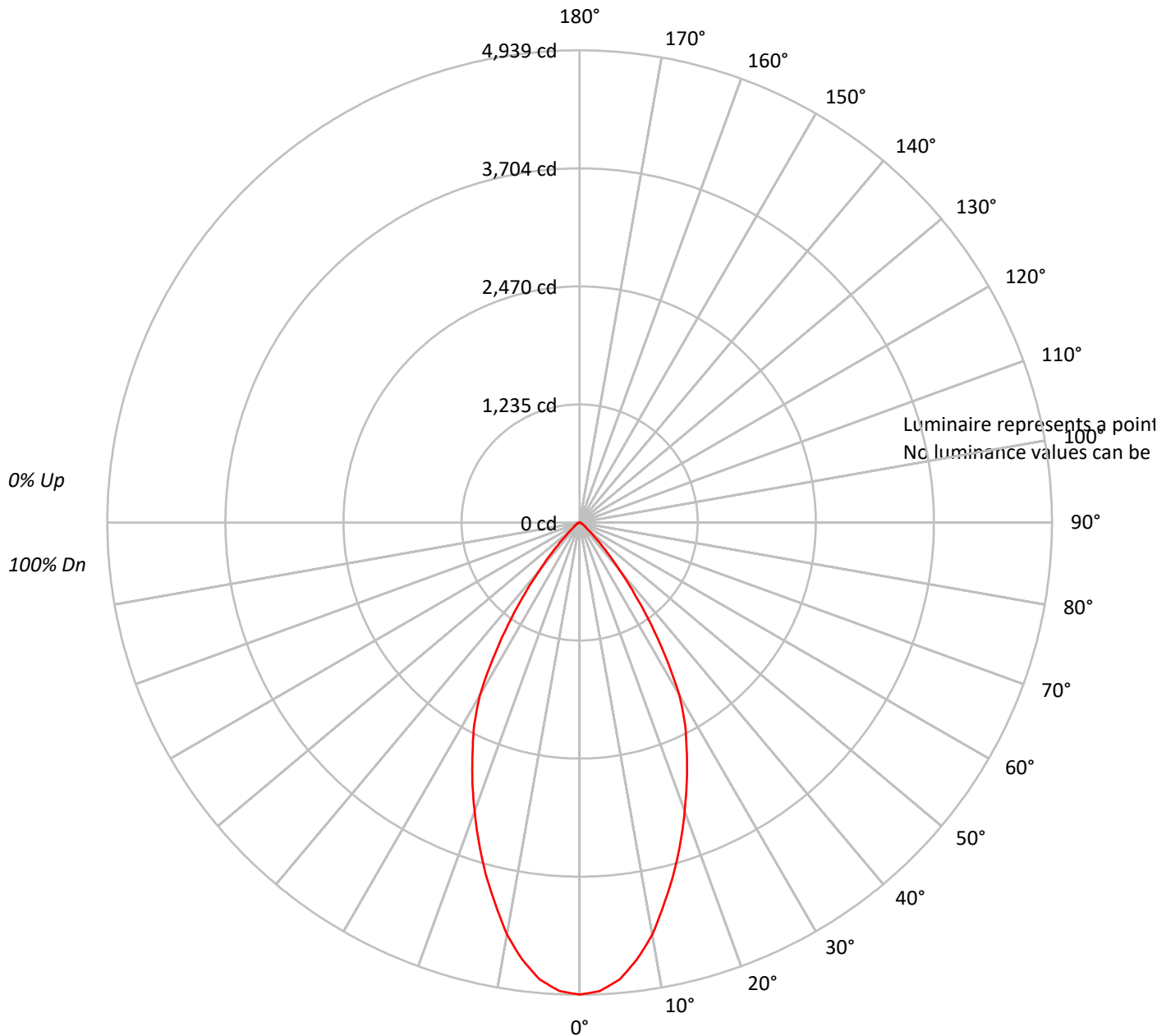
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203701

CATALOG NUMBER: LD6B60D010TE EU6B60708035 6LBNH1

Luminous Intensity Polar Plot





TEST NUMBER: P203701

CATALOG NUMBER: LD6B60D010TE EU6B60708035 6LBNH1

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	113	111	108	106		111	109	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	96		106	101	98	94		98	95	92		95	93	90		92	90	89
3	102	96	91	87		100	95	90	86		92	88	85		90	86	84		87	85	82
4	97	90	84	80		95	89	83	79		86	82	78		84	81	78		83	79	77
5	92	84	78	74		91	83	78	73		81	76	73		80	75	72		78	74	72
6	88	79	73	69		86	78	72	68		77	72	68		75	71	67		74	70	67
7	83	74	68	64		82	73	68	64		72	67	63		71	66	63		70	66	63
8	79	70	64	60		78	69	64	60		68	63	59		67	63	59		66	62	59
9	76	66	60	56		75	66	60	56		65	59	56		64	59	56		63	59	55
10	72	62	57	53		71	62	57	53		61	56	53		60	56	52		60	55	52

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203701

CATALOG NUMBER: LD6B60D010TE EU6B60708035 6LBNH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.1	11.5
10°-20°	1059.1	27.5
20°-30°	1213.3	31.5
30°-40°	815.2	21.2
40°-50°	232.9	6.0
50°-60°	57.0	1.5
60°-70°	21.7	0.6
70°-80°	8.3	0.2
80°-90°	0.9	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°	2716.5	70.5
0°-40°	3531.7	91.7
0°-60°	3821.6	99.2
0°-90°	3852.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3852.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4939	
5°	4798	444
15°	3801	1059
25°	2648	1213
35°	1300	815
45°	267	233
55°	63	57
65°	21	22
75°	7	8
85°	0	1
90°	0	



TEST NUMBER: P203701

CATALOG NUMBER: LD6B60D010TE EU6B60708035 6LBNH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	4938.6
2.5°	4903.5
5°	4798.1
7.5°	4608.4
10°	4376.6
12.5°	4081.6
15°	3800.6
17.5°	3505.5
20°	3210.4
22.5°	2929.4
25°	2648.4
27.5°	2388.5
30°	2086.4
32.5°	1686.0
35°	1299.6
37.5°	948.4
40°	653.3
42.5°	428.5
45°	267.0
47.5°	161.6
50°	98.4
52.5°	77.3
55°	63.2
57.5°	49.2
60°	35.1
62.5°	28.1
65°	21.1
67.5°	14.1
70°	14.1
72.5°	7.0
75°	7.0
77.5°	7.0
80°	7.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)