

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: P203602

Luminaire Tested: **LD6B60D010TE EU6B60709027 6LBMMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203602
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 EU6B60709027 6LBMMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM 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: 3934.0 lumens
Efficiency: N/A
Efficacy: 63.0 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

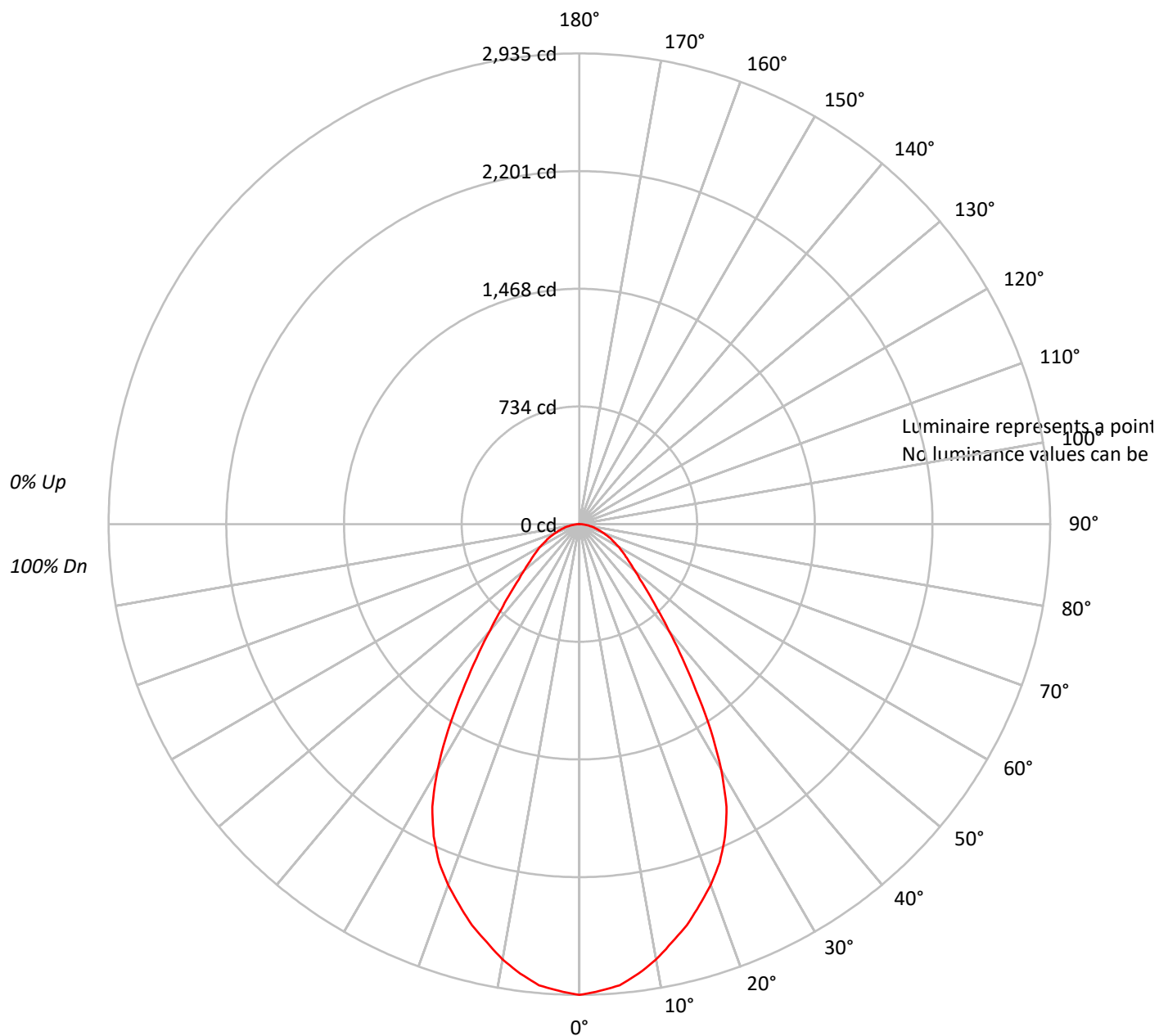
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203602

CATALOG NUMBER: LD6B60D010TE EU6B60709027 6LBMMW1

Luminous Intensity Polar Plot





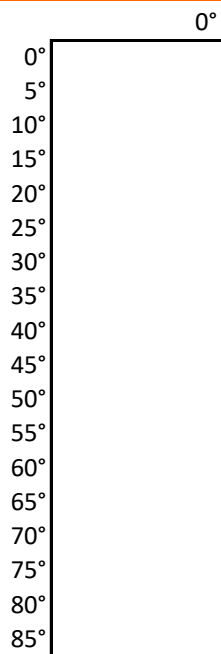
TEST NUMBER: P203602

CATALOG NUMBER: LD6B60D010TE EU6B60709027 6LBMMW1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					0
RW	70	50	30	10		70	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			100
1	111	108	104	101		109	105	103	100		101	99	97			98	96	94			89
2	104	97	92	88		101	96	91	87		92	88	85			89	86	83			79
3	97	88	82	77		95	87	81	76		84	79	75			82	77	74			71
4	90	81	74	68		88	80	73	68		77	72	67			75	70	66			64
5	85	74	67	61		83	73	66	61		71	65	61			69	64	60			58
6	79	68	61	56		78	68	61	56		66	60	55			64	59	55			53
7	75	63	56	51		73	63	56	51		61	55	50			60	54	50			48
8	70	59	52	47		69	58	51	47		57	51	46			56	50	46			44
9	66	55	48	43		65	54	48	43		53	47	43			52	47	43			41
10	63	51	45	40		62	51	44	40		50	44	40			49	44	40			38

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203602

CATALOG NUMBER: LD6B60D010TE EU6B60709027 6LBMMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.2	6.9
10°-20°	726.3	18.5
20°-30°	975.2	24.8
30°-40°	800.0	20.3
40°-50°	480.4	12.2
50°-60°	319.2	8.1
60°-70°	214.0	5.4
70°-80°	115.2	2.9
80°-90°	32.5	0.8
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°	1972.7	50.1
0°-40°	2772.7	70.5
0°-60°	3572.4	90.8
0°-90°	3934.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3934.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2935	
5°	2887	271
15°	2588	726
25°	2149	975
35°	1270	800
45°	608	480
55°	353	319
65°	217	214
75°	108	115
85°	27	32
90°	0	



TEST NUMBER: P203602

CATALOG NUMBER: LD6B60D010TE EU6B60709027 6LBMMW1

CANDELA DISTRIBUTION (FULL):

	0°
0°	2935.4
2.5°	2913.7
5°	2886.6
7.5°	2826.9
10°	2756.3
12.5°	2669.5
15°	2588.1
17.5°	2490.5
20°	2392.8
22.5°	2284.3
25°	2148.6
27.5°	1985.9
30°	1768.8
32.5°	1524.7
35°	1269.7
37.5°	1052.6
40°	868.1
42.5°	721.6
45°	607.7
47.5°	515.5
50°	450.3
52.5°	396.1
55°	352.7
57.5°	314.7
60°	282.1
62.5°	244.2
65°	217.0
67.5°	184.5
70°	157.4
72.5°	130.2
75°	108.5
77.5°	86.8
80°	65.1
82.5°	48.8
85°	27.1
87.5°	10.9
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)