

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: P203596

Luminaire Tested: **LD6B60D010TE EU6B60708027 6LBMMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203596
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 EU6B60708027 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: 4581.5 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

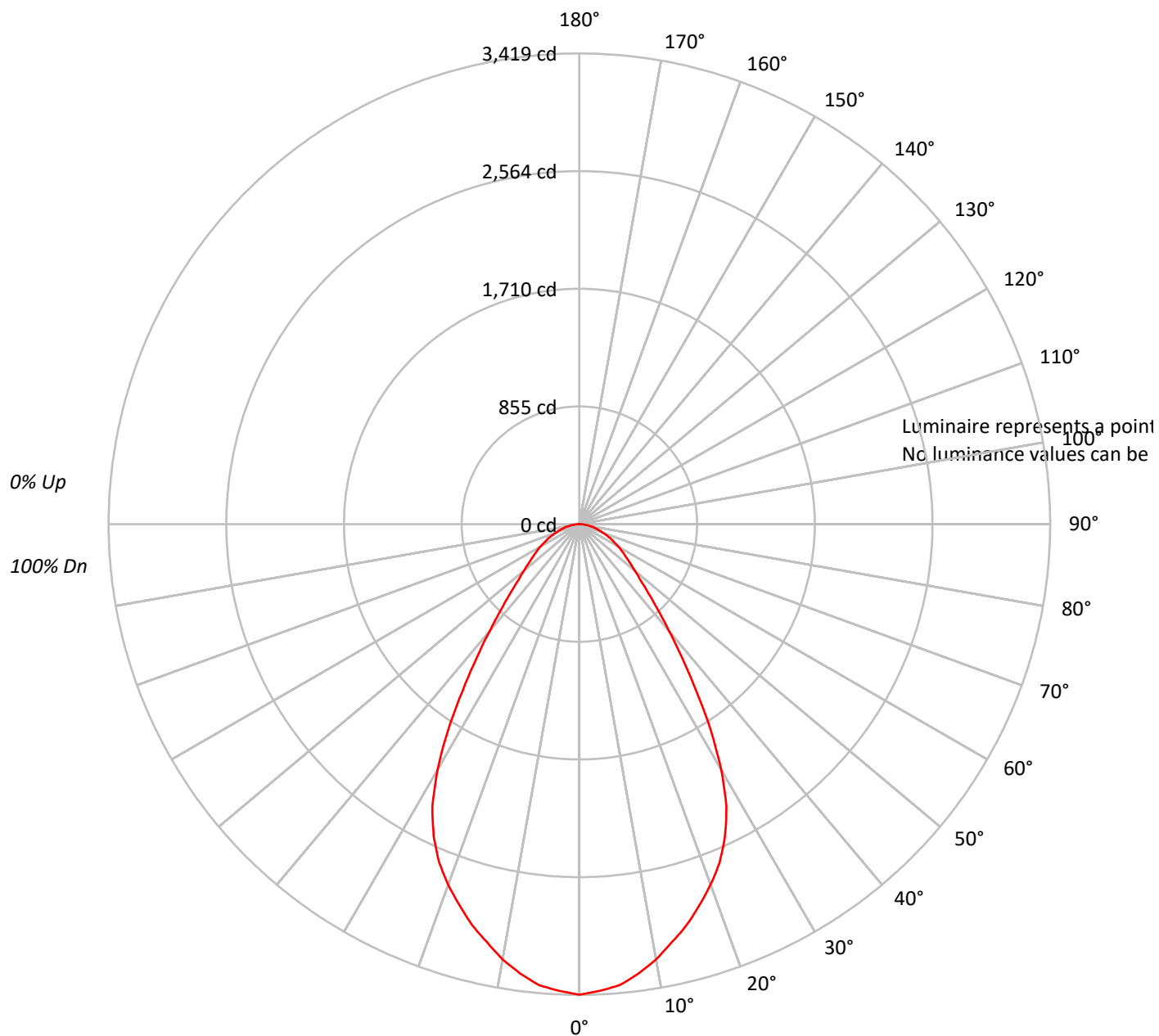
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203596

CATALOG NUMBER: LD6B60D010TE EU6B60708027 6LBMMW1

Luminous Intensity Polar Plot





TEST NUMBER: P203596

CATALOG NUMBER: LD6B60D010TE EU6B60708027 6LBMMW1

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

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203596

CATALOG NUMBER: LD6B60D010TE EU6B60708027 6LBMMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.8	6.9
10°-20°	845.9	18.5
20°-30°	1135.8	24.8
30°-40°	931.7	20.3
40°-50°	559.5	12.2
50°-60°	371.8	8.1
60°-70°	249.2	5.4
70°-80°	134.1	2.9
80°-90°	37.8	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°	2297.4	50.1
0°-40°	3229.1	70.5
0°-60°	4160.4	90.8
0°-90°	4581.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4581.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3419	
5°	3362	316
15°	3014	846
25°	2502	1136
35°	1479	932
45°	708	559
55°	411	372
65°	253	249
75°	126	134
85°	32	38
90°	0	



TEST NUMBER: P203596

CATALOG NUMBER: LD6B60D010TE EU6B60708027 6LBMMW1

CANDELA DISTRIBUTION (FULL):

0°	
0°	3418.6
2.5°	3393.3
5°	3361.7
7.5°	3292.2
10°	3210.0
12.5°	3108.9
15°	3014.1
17.5°	2900.4
20°	2786.7
22.5°	2660.3
25°	2502.3
27.5°	2312.7
30°	2060.0
32.5°	1775.6
35°	1478.6
37.5°	1225.9
40°	1011.0
42.5°	840.4
45°	707.7
47.5°	600.3
50°	524.5
52.5°	461.3
55°	410.7
57.5°	366.5
60°	328.6
62.5°	284.4
65°	252.8
67.5°	214.8
70°	183.3
72.5°	151.7
75°	126.4
77.5°	101.1
80°	75.8
82.5°	56.9
85°	31.6
87.5°	12.6
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)