

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: P203585

Luminaire Tested: **LD6B50D010TE EU6B30508035 6LBMMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203585
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: LD6B50D010TE EU6B30508035 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: 4396.5 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

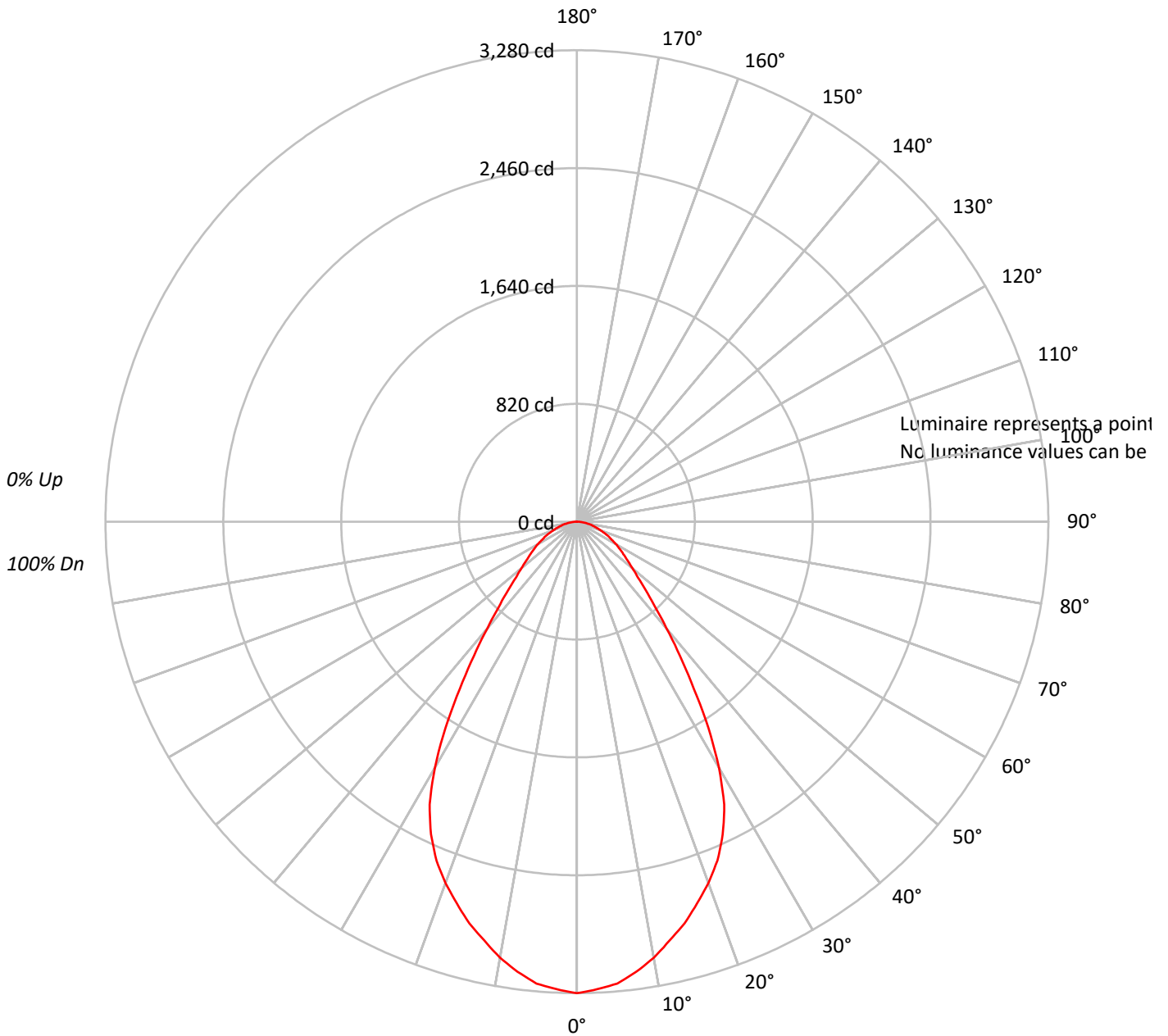
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203585

CATALOG NUMBER: LD6B50D010TE EU6B30508035 6LBMMW1

Luminous Intensity Polar Plot





TEST NUMBER: P203585

CATALOG NUMBER: LD6B50D010TE EU6B30508035 6LBMMW1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	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	102	102	102	100																			
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89																			
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79																			
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71																			
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64																			
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58																			
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53																			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48																			
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44																			
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41																			
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38																			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203585

CATALOG NUMBER: LD6B50D010TE EU6B30508035 6LBMMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.0	6.9
10°-20°	811.7	18.5
20°-30°	1089.9	24.8
30°-40°	894.0	20.3
40°-50°	536.9	12.2
50°-60°	356.8	8.1
60°-70°	239.2	5.4
70°-80°	128.7	2.9
80°-90°	36.3	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°	2204.7	50.1
0°-40°	3098.7	70.5
0°-60°	3992.4	90.8
0°-90°	4396.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4396.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3280	
5°	3226	303
15°	2892	812
25°	2401	1090
35°	1419	894
45°	679	537
55°	394	357
65°	243	239
75°	121	129
85°	30	36
90°	0	



TEST NUMBER: P203585

CATALOG NUMBER: LD6B50D010TE EU6B30508035 6LBMMW1

CANDELA DISTRIBUTION (FULL):

	0°
0°	3280.5
2.5°	3256.3
5°	3225.9
7.5°	3159.2
10°	3080.4
12.5°	2983.4
15°	2892.4
17.5°	2783.3
20°	2674.1
22.5°	2552.9
25°	2401.3
27.5°	2219.3
30°	1976.8
32.5°	1703.9
35°	1418.9
37.5°	1176.4
40°	970.2
42.5°	806.5
45°	679.1
47.5°	576.1
50°	503.3
52.5°	442.7
55°	394.1
57.5°	351.7
60°	315.3
62.5°	272.9
65°	242.6
67.5°	206.2
70°	175.8
72.5°	145.5
75°	121.3
77.5°	97.0
80°	72.8
82.5°	54.6
85°	30.3
87.5°	12.1
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)