

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: P203378

Luminaire Tested: **LD6B50D010TE EU6B30508030 6LBMWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203378
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 EU6B30508030 6LBMWH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH WHEAT TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4219.3 lumens
Efficiency: N/A
Efficacy: 71.8 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

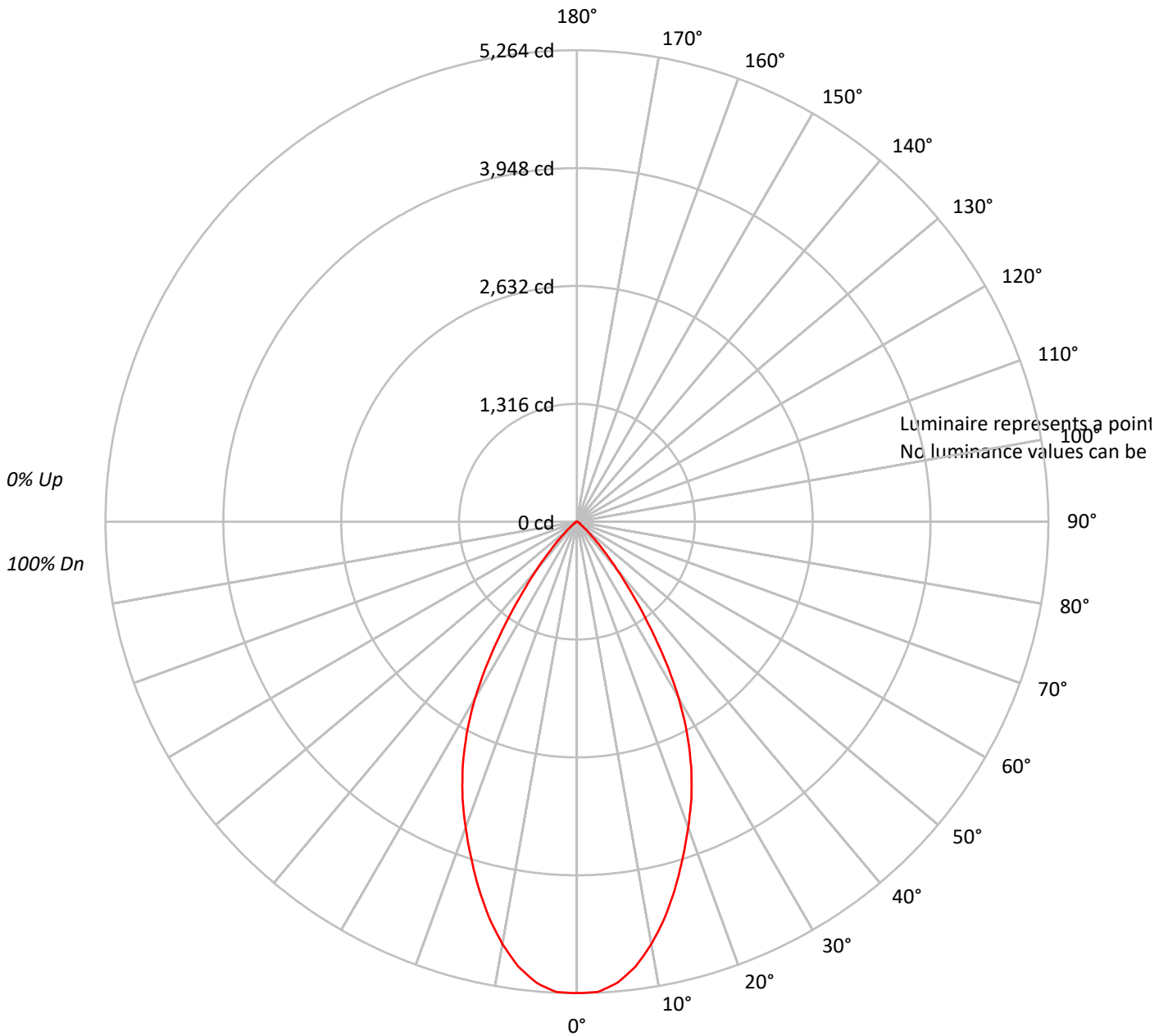
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203378

CATALOG NUMBER: LD6B50D010TE EU6B30508030 6LBMWH1

Luminous Intensity Polar Plot





TEST NUMBER: P203378

CATALOG NUMBER: LD6B50D010TE EU6B30508030 6LBMWH1

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	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94																			
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	91	89	87																			
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81																			
4	97	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76																			
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71																			
6	88	79	73	69	87	78	73	69	77	72	68	76	71	68	74	70	67	66																			
7	84	75	69	64	82	74	68	64	73	68	64	71	67	64	70	66	63	62																			
8	80	70	64	60	78	70	64	60	69	64	60	68	63	60	67	62	59	58																			
9	76	66	61	57	75	66	60	57	65	60	56	64	59	56	63	59	56	55																			
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	52																			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203378

CATALOG NUMBER: LD6B50D010TE EU6B30508030 6LBMWH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	481.2	11.4
10°-20°	1181.3	28.0
20°-30°	1366.9	32.4
30°-40°	873.7	20.7
40°-50°	247.7	5.9
50°-60°	44.2	1.0
60°-70°	18.1	0.4
70°-80°	6.2	0.1
80°-90°	0.0	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°	3029.4	71.8
0°-40°	3903.1	92.5
0°-60°	4195.0	99.4
0°-90°	4219.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4219.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5264	
5°	5170	481
15°	4237	1181
25°	3016	1367
35°	1379	874
45°	288	248
55°	41	44
65°	18	18
75°	6	6
85°	0	0
90°	0	



TEST NUMBER: P203378

CATALOG NUMBER: LD6B50D010TE EU6B30508030 6LBMWH1

CANDELA DISTRIBUTION (FULL):

0°	
0°	5263.6
2.5°	5257.8
5°	5169.8
7.5°	5011.3
10°	4788.3
12.5°	4530.1
15°	4236.7
17.5°	3931.6
20°	3632.3
22.5°	3338.9
25°	3016.2
27.5°	2664.1
30°	2270.9
32.5°	1830.8
35°	1379.0
37.5°	997.6
40°	692.4
42.5°	457.7
45°	287.5
47.5°	170.2
50°	99.8
52.5°	58.7
55°	41.1
57.5°	35.2
60°	29.3
62.5°	23.5
65°	17.6
67.5°	11.7
70°	11.7
72.5°	5.9
75°	5.9
77.5°	5.9
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)