

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: P203619

Luminaire Tested: **LD6B70D010TE EU6B60709050 6LBMMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203619
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: LD6B70D010TE EU6B60709050 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: 4953.9 lumens
Efficiency: N/A
Efficacy: 62.4 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

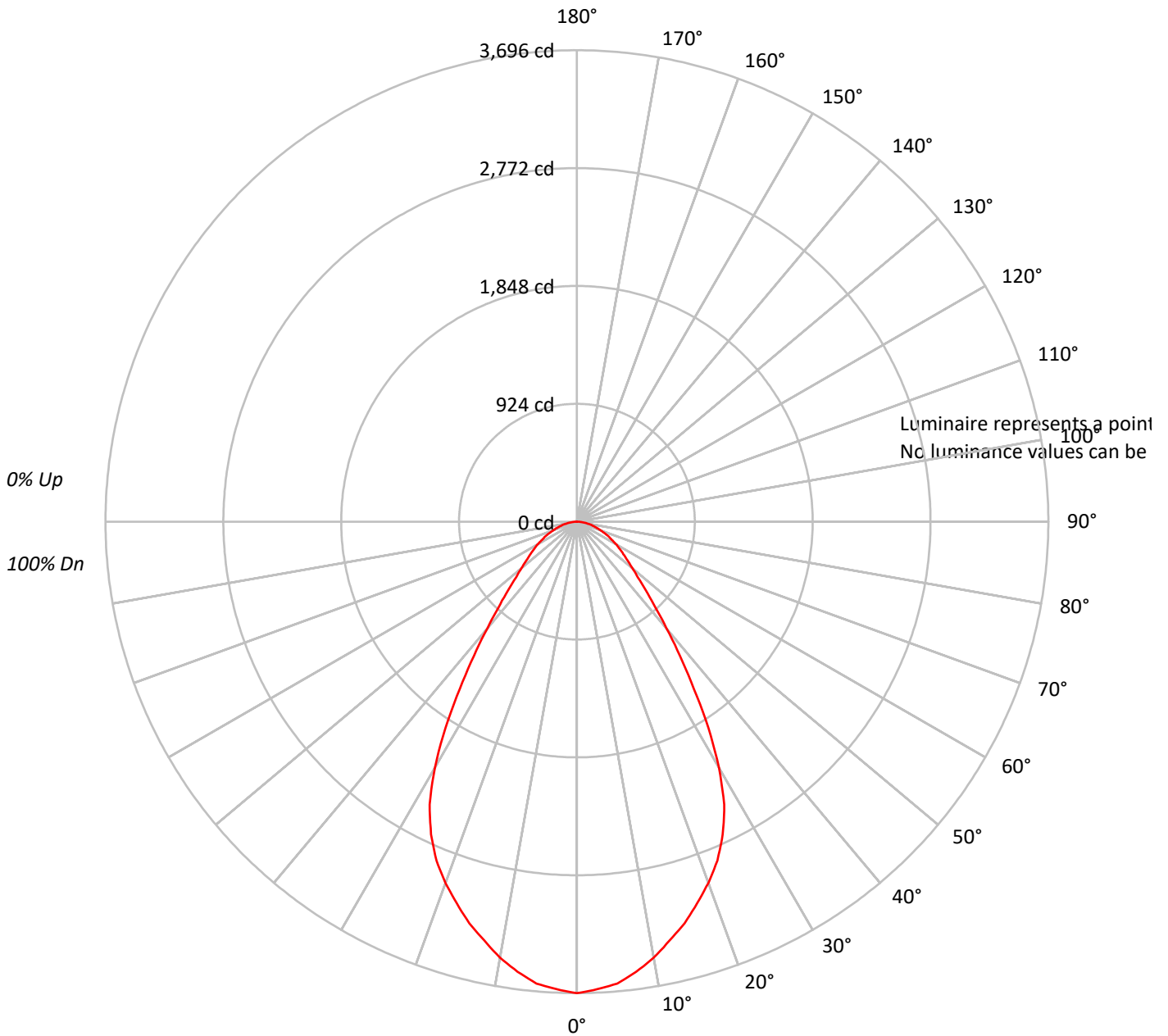
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				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
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):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.5	6.9
10°-20°	914.6	18.5
20°-30°	1228.1	24.8
30°-40°	1007.4	20.3
40°-50°	604.9	12.2
50°-60°	402.0	8.1
60°-70°	269.5	5.4
70°-80°	145.0	2.9
80°-90°	40.9	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°	2484.2	50.1
0°-40°	3491.5	70.5
0°-60°	4498.5	90.8
0°-90°	4953.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4953.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3696	
5°	3635	341
15°	3259	915
25°	2706	1228
35°	1599	1007
45°	765	605
55°	444	402
65°	273	269
75°	137	145
85°	34	41
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3696.4
2.5°	3669.1
5°	3634.9
7.5°	3559.7
10°	3470.9
12.5°	3361.6
15°	3259.1
17.5°	3136.1
20°	3013.1
22.5°	2876.5
25°	2705.7
27.5°	2500.7
30°	2227.4
32.5°	1919.9
35°	1598.8
37.5°	1325.5
40°	1093.2
42.5°	908.7
45°	765.2
47.5°	649.1
50°	567.1
52.5°	498.8
55°	444.1
57.5°	396.3
60°	355.3
62.5°	307.5
65°	273.3
67.5°	232.3
70°	198.1
72.5°	164.0
75°	136.7
77.5°	109.3
80°	82.0
82.5°	61.5
85°	34.2
87.5°	13.7
90°	0.0



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— 0°-180°







(END OF REPORT)