

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: P204126

Luminaire Tested: **LD6B70D010TE EU6B60708035 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204126
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 EU6B60708035 6LBNMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW 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: 5246.9 lumens
Efficiency: N/A
Efficacy: 66.0 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

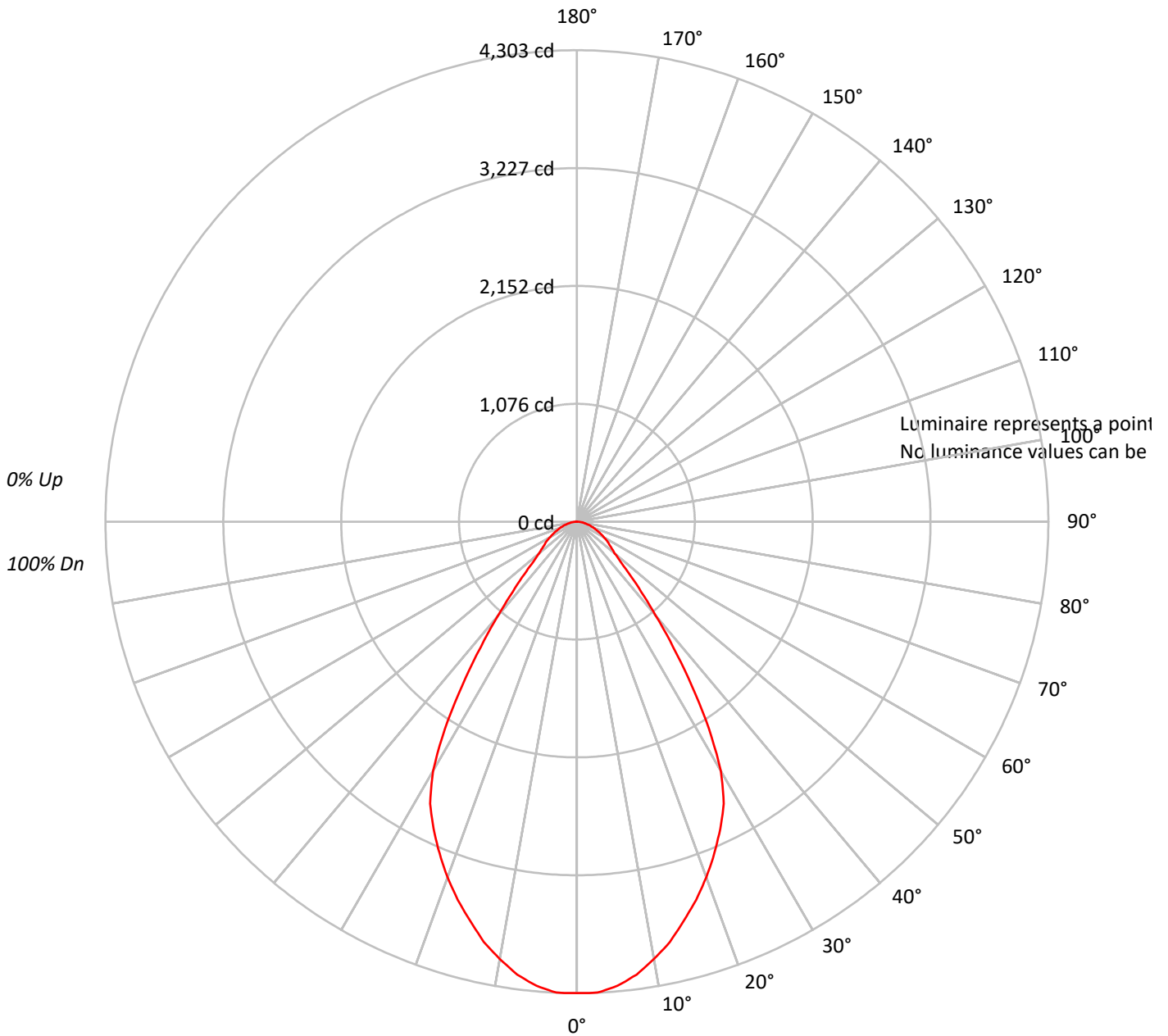
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	112	108	105	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90																			
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81																			
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73																			
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66																			
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61																			
6	81	71	64	59	80	70	63	59	68	63	58	67	62	58	66	61	57	56																			
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51																			
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47																			
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44																			
10	65	54	47	43	64	54	47	43	53	47	43	52	46	43	51	46	43	41																			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	399.6	7.6
10°-20°	1059.1	20.2
20°-30°	1414.0	26.9
30°-40°	1140.8	21.7
40°-50°	546.7	10.4
50°-60°	324.1	6.2
60°-70°	215.4	4.1
70°-80°	115.4	2.2
80°-90°	31.7	0.6
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°	2872.8	54.8
0°-40°	4013.6	76.5
0°-60°	4884.4	93.1
0°-90°	5246.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5246.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4303	
5°	4253	400
15°	3769	1059
25°	3094	1414
35°	1826	1141
45°	676	547
55°	359	324
65°	217	215
75°	108	115
85°	25	32
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4303.1
2.5°	4303.1
5°	4253.0
7.5°	4169.6
10°	4052.9
12.5°	3927.8
15°	3769.4
17.5°	3619.3
20°	3452.5
22.5°	3277.3
25°	3093.9
27.5°	2902.1
30°	2626.9
32.5°	2243.3
35°	1826.3
37.5°	1442.7
40°	1117.5
42.5°	867.3
45°	675.5
47.5°	533.7
50°	450.3
52.5°	400.3
55°	358.6
57.5°	325.2
60°	283.5
62.5°	250.2
65°	216.8
67.5°	183.5
70°	158.4
72.5°	133.4
75°	108.4
77.5°	83.4
80°	66.7
82.5°	50.0
85°	25.0
87.5°	8.3
90°	0.0



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— 0°-180°







(END OF REPORT)