

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: P204135

Luminaire Tested: **LD6B70D010TE EU6B60709727 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204135
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 EU6B60709727 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: 3654.1 lumens
Efficiency: N/A
Efficacy: 46.0 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

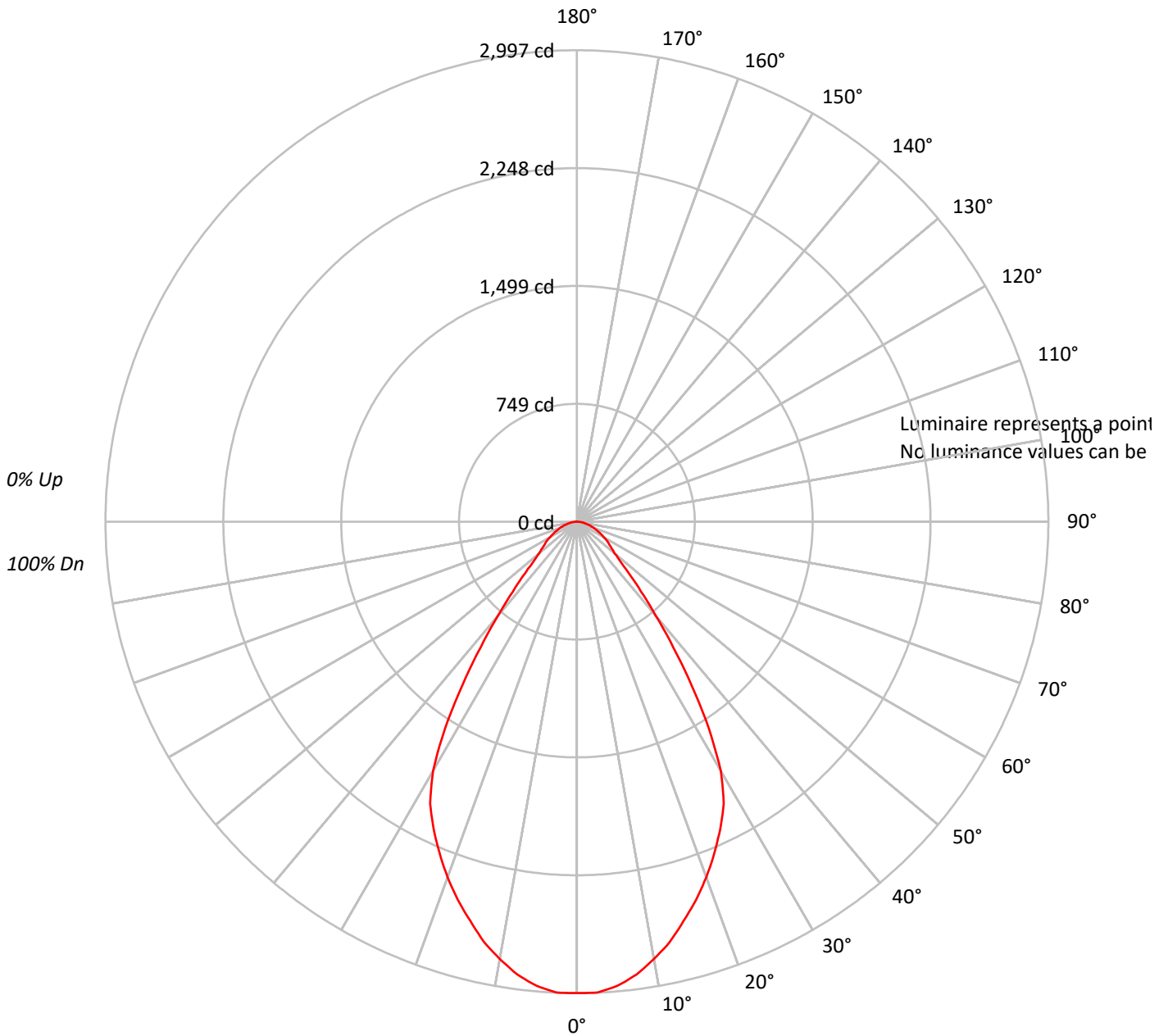
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									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	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°	278.3	7.6
10°-20°	737.6	20.2
20°-30°	984.8	26.9
30°-40°	794.5	21.7
40°-50°	380.8	10.4
50°-60°	225.7	6.2
60°-70°	150.0	4.1
70°-80°	80.4	2.2
80°-90°	22.1	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°	2000.7	54.8
0°-40°	2795.1	76.5
0°-60°	3401.6	93.1
0°-90°	3654.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3654.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2997	
5°	2962	278
15°	2625	738
25°	2155	985
35°	1272	794
45°	470	381
55°	250	226
65°	151	150
75°	76	80
85°	17	22
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2996.8
2.5°	2996.8
5°	2961.9
7.5°	2903.9
10°	2822.5
12.5°	2735.4
15°	2625.1
17.5°	2520.5
20°	2404.4
22.5°	2282.4
25°	2154.7
27.5°	2021.1
30°	1829.4
32.5°	1562.3
35°	1271.9
37.5°	1004.7
40°	778.2
42.5°	604.0
45°	470.4
47.5°	371.7
50°	313.6
52.5°	278.8
55°	249.7
57.5°	226.5
60°	197.5
62.5°	174.2
65°	151.0
67.5°	127.8
70°	110.3
72.5°	92.9
75°	75.5
77.5°	58.1
80°	46.5
82.5°	34.8
85°	17.4
87.5°	5.8
90°	0.0



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— 0°-180°







(END OF REPORT)