

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: P202797

Luminaire Tested: **LD6B70D010TE EU6B60709730 6LBWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202797
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 EU6B60709730 6LBWH1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4679.8 lumens
Efficiency: N/A
Efficacy: 58.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

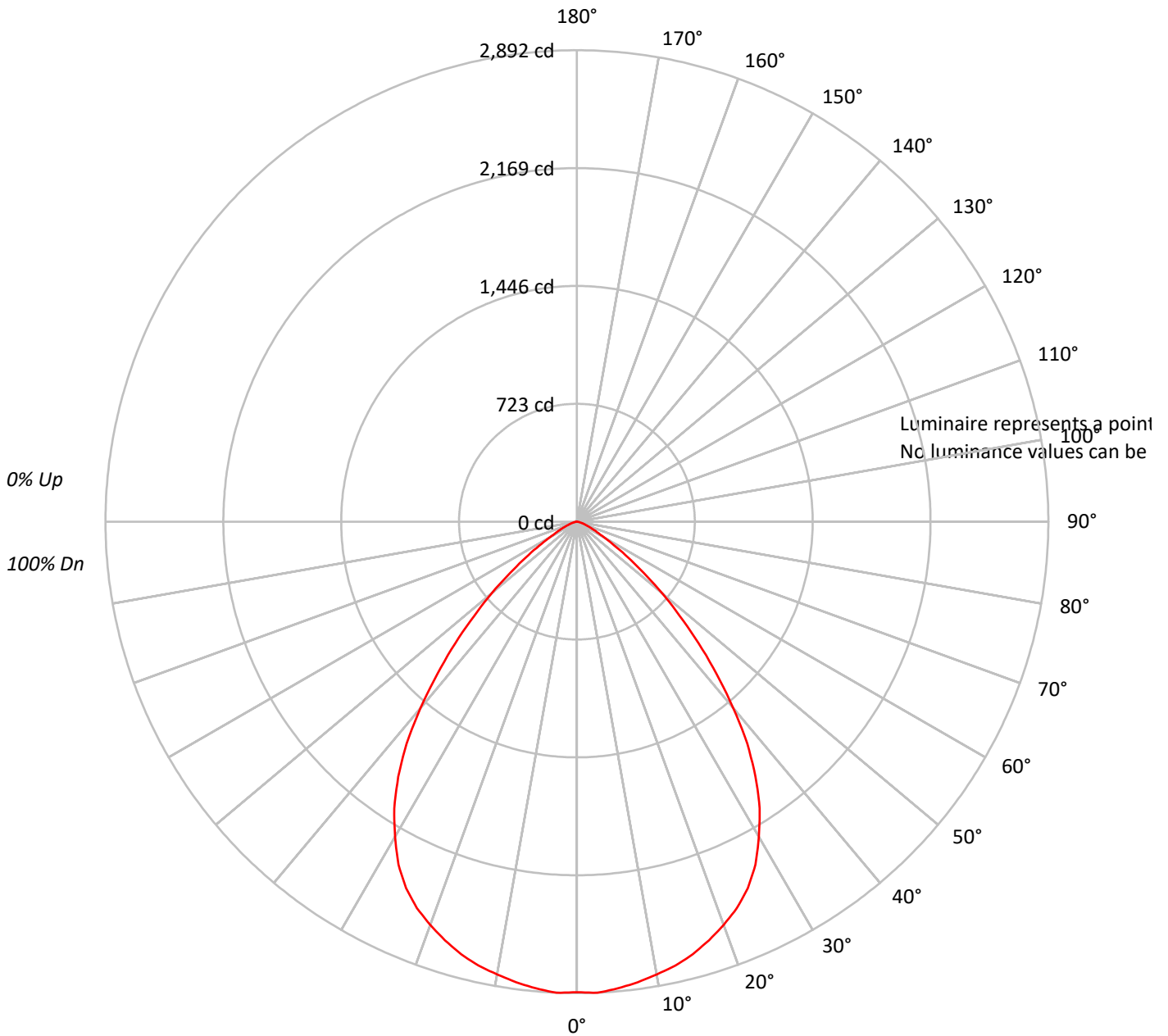
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91			
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81			
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73			
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65			
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59			
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53			
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49			
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	47	43	53	47	43	52	47	42	51	46	42	41			
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.6	5.8
10°-20°	773.6	16.5
20°-30°	1134.2	24.2
30°-40°	1180.4	25.2
40°-50°	816.7	17.5
50°-60°	355.5	7.6
60°-70°	109.0	2.3
70°-80°	32.7	0.7
80°-90°	5.0	0.1
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°	2180.4	46.6
0°-40°	3360.9	71.8
0°-60°	4533.1	96.9
0°-90°	4679.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4679.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2886	
5°	2874	273
15°	2747	774
25°	2480	1134
35°	1910	1180
45°	1055	817
55°	382	356
65°	103	109
75°	30	33
85°	6	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2886.5
2.5°	2892.5
5°	2874.3
7.5°	2850.1
10°	2819.8
12.5°	2789.4
15°	2747.0
17.5°	2692.4
20°	2631.8
22.5°	2565.1
25°	2480.2
27.5°	2371.0
30°	2231.6
32.5°	2086.0
35°	1910.2
37.5°	1716.1
40°	1491.7
42.5°	1267.4
45°	1055.1
47.5°	855.0
50°	679.2
52.5°	515.4
55°	382.0
57.5°	272.9
60°	188.0
62.5°	139.5
65°	103.1
67.5°	78.8
70°	54.6
72.5°	42.4
75°	30.3
77.5°	18.2
80°	12.1
82.5°	6.1
85°	6.1
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)