

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: P202791

Luminaire Tested: **LD6B70D010TE EU6B60709027 6LBWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202791
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 EU6B60709027 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: 5149.3 lumens
Efficiency: N/A
Efficacy: 64.8 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

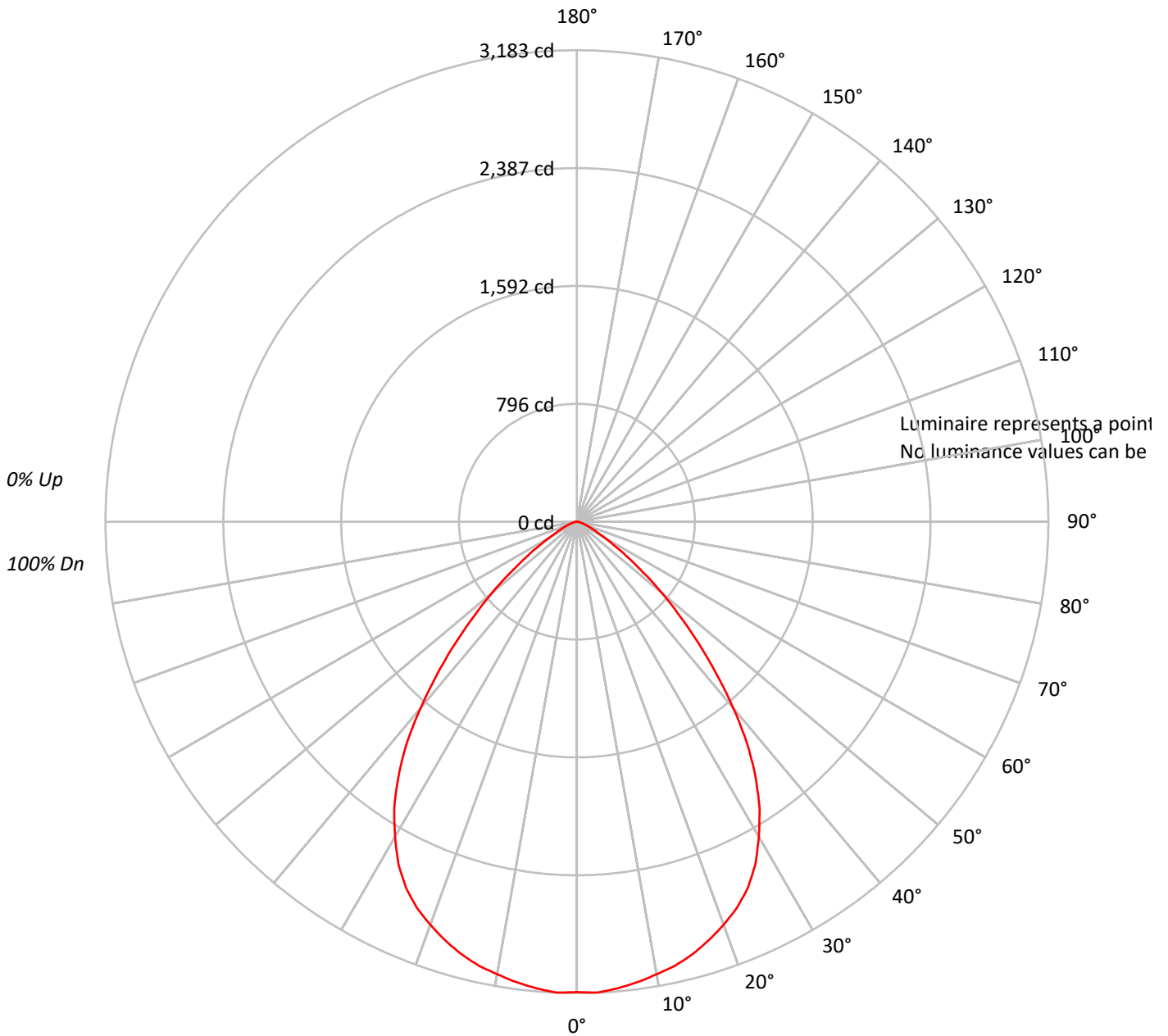
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	300.0	5.8
10°-20°	851.2	16.5
20°-30°	1248.0	24.2
30°-40°	1298.9	25.2
40°-50°	898.7	17.5
50°-60°	391.2	7.6
60°-70°	120.0	2.3
70°-80°	36.0	0.7
80°-90°	5.5	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°	2399.1	46.6
0°-40°	3698.0	71.8
0°-60°	4987.9	96.9
0°-90°	5149.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5149.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3176	
5°	3163	300
15°	3023	851
25°	2729	1248
35°	2102	1299
45°	1161	899
55°	420	391
65°	113	120
75°	33	36
85°	7	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3176.0
2.5°	3182.7
5°	3162.7
7.5°	3136.0
10°	3102.6
12.5°	3069.3
15°	3022.6
17.5°	2962.5
20°	2895.8
22.5°	2822.4
25°	2729.0
27.5°	2608.9
30°	2455.4
32.5°	2295.3
35°	2101.8
37.5°	1888.3
40°	1641.4
42.5°	1394.5
45°	1161.0
47.5°	940.8
50°	747.3
52.5°	567.1
55°	420.4
57.5°	300.3
60°	206.8
62.5°	153.5
65°	113.4
67.5°	86.7
70°	60.1
72.5°	46.7
75°	33.4
77.5°	20.0
80°	13.3
82.5°	6.7
85°	6.7
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)