

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: P202786

Luminaire Tested: **LD6B70D010TE EU6B60708030 6LBWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202786
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 EU6B60708030 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: 6268.9 lumens
Efficiency: N/A
Efficacy: 78.9 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

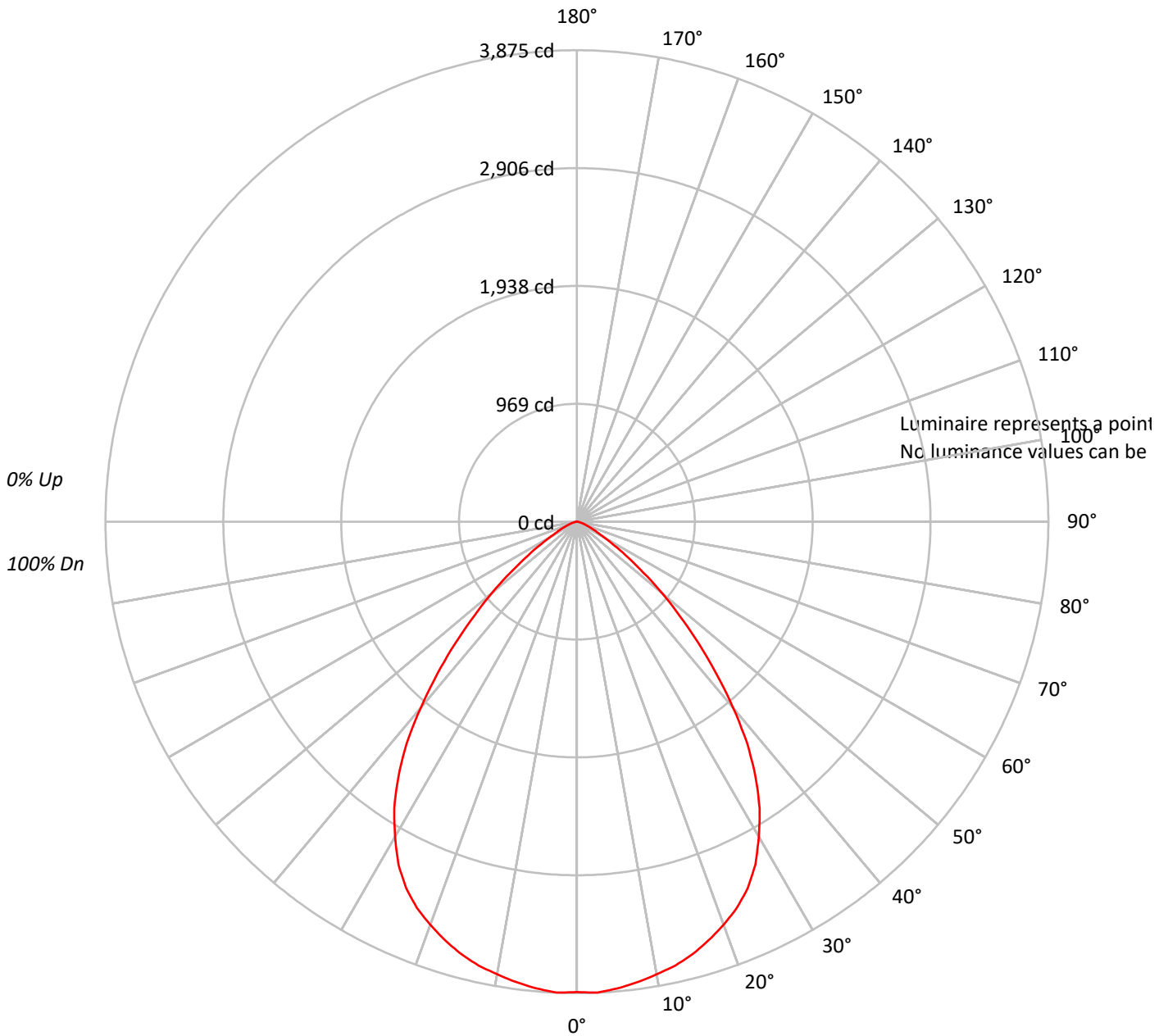
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	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°	365.2	5.8
10°-20°	1036.3	16.5
20°-30°	1519.4	24.2
30°-40°	1581.3	25.2
40°-50°	1094.1	17.5
50°-60°	476.3	7.6
60°-70°	146.0	2.3
70°-80°	43.8	0.7
80°-90°	6.6	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°	2920.8	46.6
0°-40°	4502.1	71.8
0°-60°	6072.5	96.9
0°-90°	6268.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6268.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3867	
5°	3850	365
15°	3680	1036
25°	3322	1519
35°	2559	1581
45°	1413	1094
55°	512	476
65°	138	146
75°	41	44
85°	8	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3866.6
2.5°	3874.8
5°	3850.4
7.5°	3817.9
10°	3777.3
12.5°	3736.7
15°	3679.8
17.5°	3606.7
20°	3525.5
22.5°	3436.1
25°	3322.4
27.5°	3176.2
30°	2989.3
32.5°	2794.4
35°	2558.8
37.5°	2298.9
40°	1998.3
42.5°	1697.8
45°	1413.4
47.5°	1145.4
50°	909.8
52.5°	690.5
55°	511.8
57.5°	365.5
60°	251.8
62.5°	186.8
65°	138.1
67.5°	105.6
70°	73.1
72.5°	56.9
75°	40.6
77.5°	24.4
80°	16.2
82.5°	8.1
85°	8.1
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)