

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: P205159

Luminaire Tested: **LD6B70D010TE EU6B60709027 6LBMLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205159
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 6LBMLI1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH SPECULAR CLEAR TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5209.3 lumens
Efficiency: N/A
Efficacy: 65.6 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

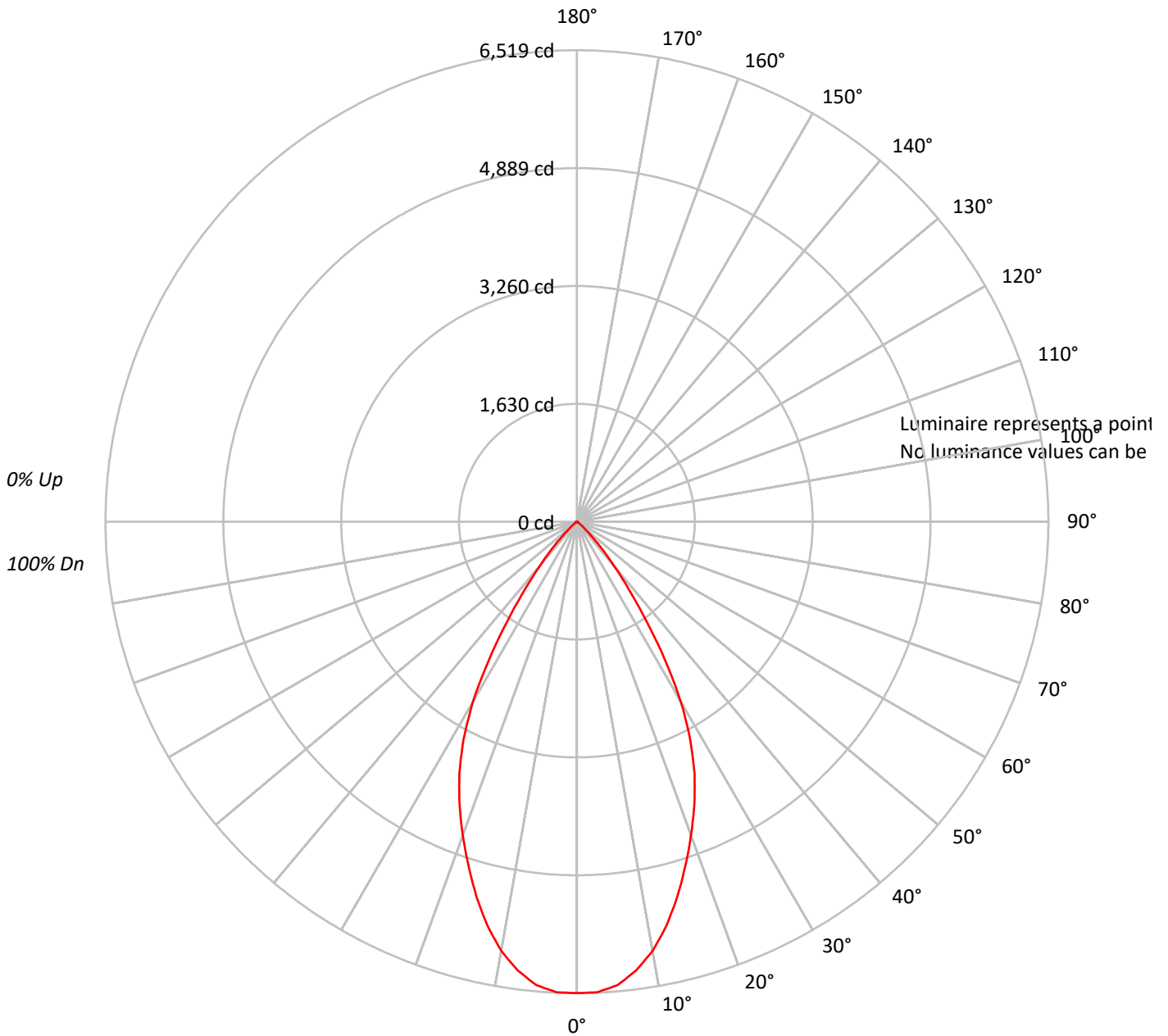
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94																																				
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88																																				
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82																																				
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76																																				
5	93	85	79	75	91	84	79	75	82	78	74	81	77	73	79	76	73	71																																				
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67																																				
7	84	75	69	65	83	75	69	65	73	68	65	72	68	64	71	67	64	63																																				
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59																																				
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																																				
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52																																				

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	600.6	11.5
10°-20°	1495.2	28.7
20°-30°	1738.1	33.4
30°-40°	1064.4	20.4
40°-50°	264.3	5.1
50°-60°	30.9	0.6
60°-70°	11.5	0.2
70°-80°	4.4	0.1
80°-90°	0.0	0.0
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°	3833.8	73.6
0°-40°	4898.2	94.0
0°-60°	5193.4	99.7
0°-90°	5209.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5209.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6519	
5°	6433	601
15°	5366	1495
25°	3846	1738
35°	1666	1064
45°	293	264
55°	27	31
65°	13	11
75°	7	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6519.2
2.5°	6512.5
5°	6432.6
7.5°	6259.2
10°	6025.9
12.5°	5719.3
15°	5366.0
17.5°	4986.1
20°	4612.8
22.5°	4239.5
25°	3846.2
27.5°	3392.9
30°	2873.0
32.5°	2266.4
35°	1666.5
37.5°	1173.2
40°	799.9
42.5°	499.9
45°	293.3
47.5°	166.6
50°	86.7
52.5°	40.0
55°	26.7
57.5°	20.0
60°	20.0
62.5°	13.3
65°	13.3
67.5°	6.7
70°	6.7
72.5°	6.7
75°	6.7
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)