

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: P202789

Luminaire Tested: **LD6B70D010TE EU6B60708050 6LBWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202789
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 EU6B60708050 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: 6490.0 lumens
Efficiency: N/A
Efficacy: 81.7 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

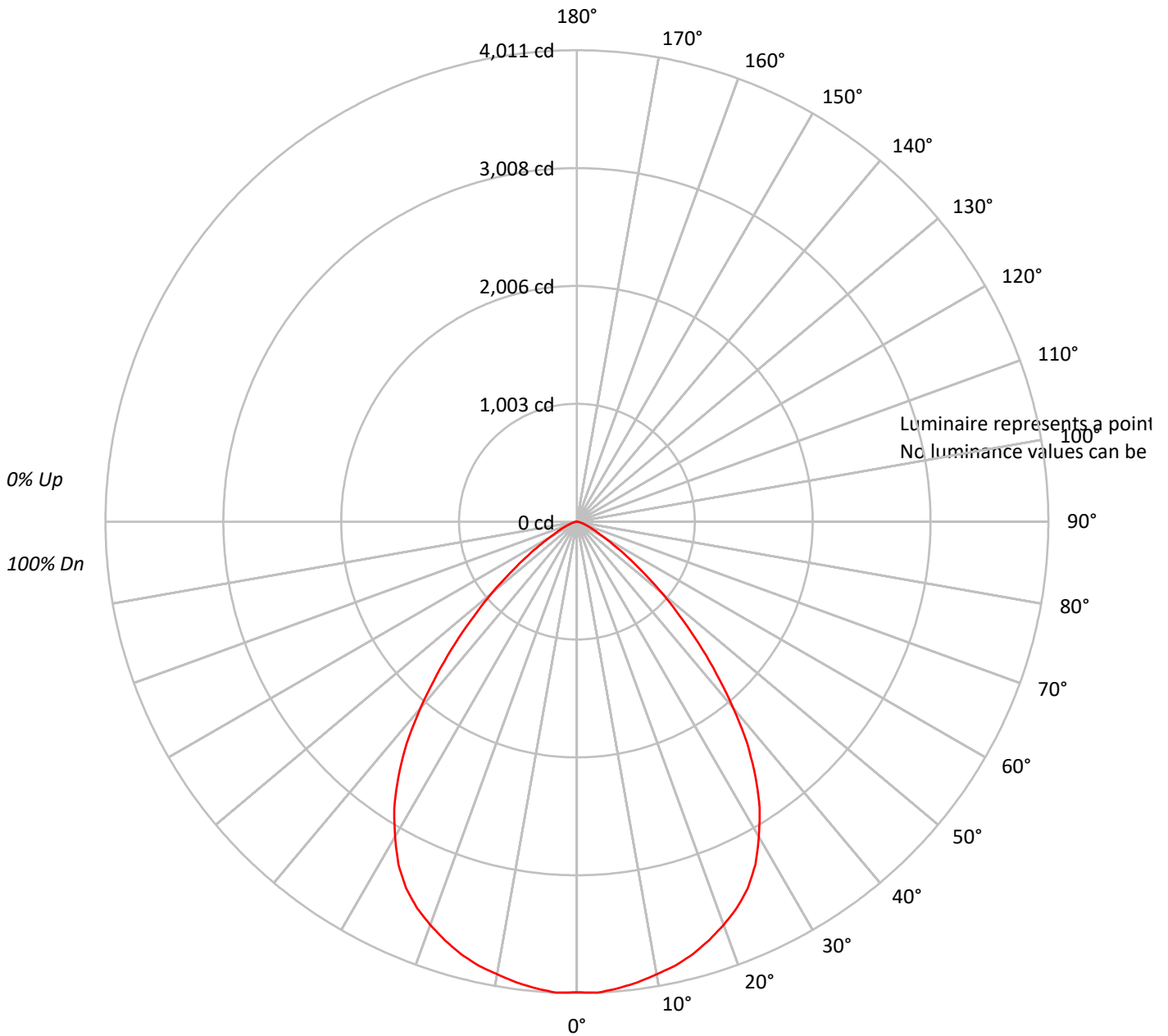
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	378.1	5.8
10°-20°	1072.8	16.5
20°-30°	1572.9	24.2
30°-40°	1637.0	25.2
40°-50°	1132.7	17.5
50°-60°	493.1	7.6
60°-70°	151.2	2.3
70°-80°	45.3	0.7
80°-90°	6.9	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°	3023.8	46.6
0°-40°	4660.9	71.8
0°-60°	6286.6	96.9
0°-90°	6490.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6490.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4003	
5°	3986	378
15°	3810	1073
25°	3440	1573
35°	2649	1637
45°	1463	1133
55°	530	493
65°	143	151
75°	42	45
85°	8	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4003.0
2.5°	4011.4
5°	3986.2
7.5°	3952.5
10°	3910.5
12.5°	3868.4
15°	3809.6
17.5°	3733.9
20°	3649.8
22.5°	3557.3
25°	3439.5
27.5°	3288.2
30°	3094.7
32.5°	2892.9
35°	2649.0
37.5°	2379.9
40°	2068.8
42.5°	1757.6
45°	1463.3
47.5°	1185.8
50°	941.9
52.5°	714.8
55°	529.8
57.5°	378.4
60°	260.7
62.5°	193.4
65°	143.0
67.5°	109.3
70°	75.7
72.5°	58.9
75°	42.0
77.5°	25.2
80°	16.8
82.5°	8.4
85°	8.4
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)