

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: P205231

Luminaire Tested: **LD6B50D010TE EU6B30508040 6LBWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205231
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: LD6B50D010TE EU6B30508040 6LBWLI1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE 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: 5594.7 lumens
Efficiency: N/A
Efficacy: 95.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

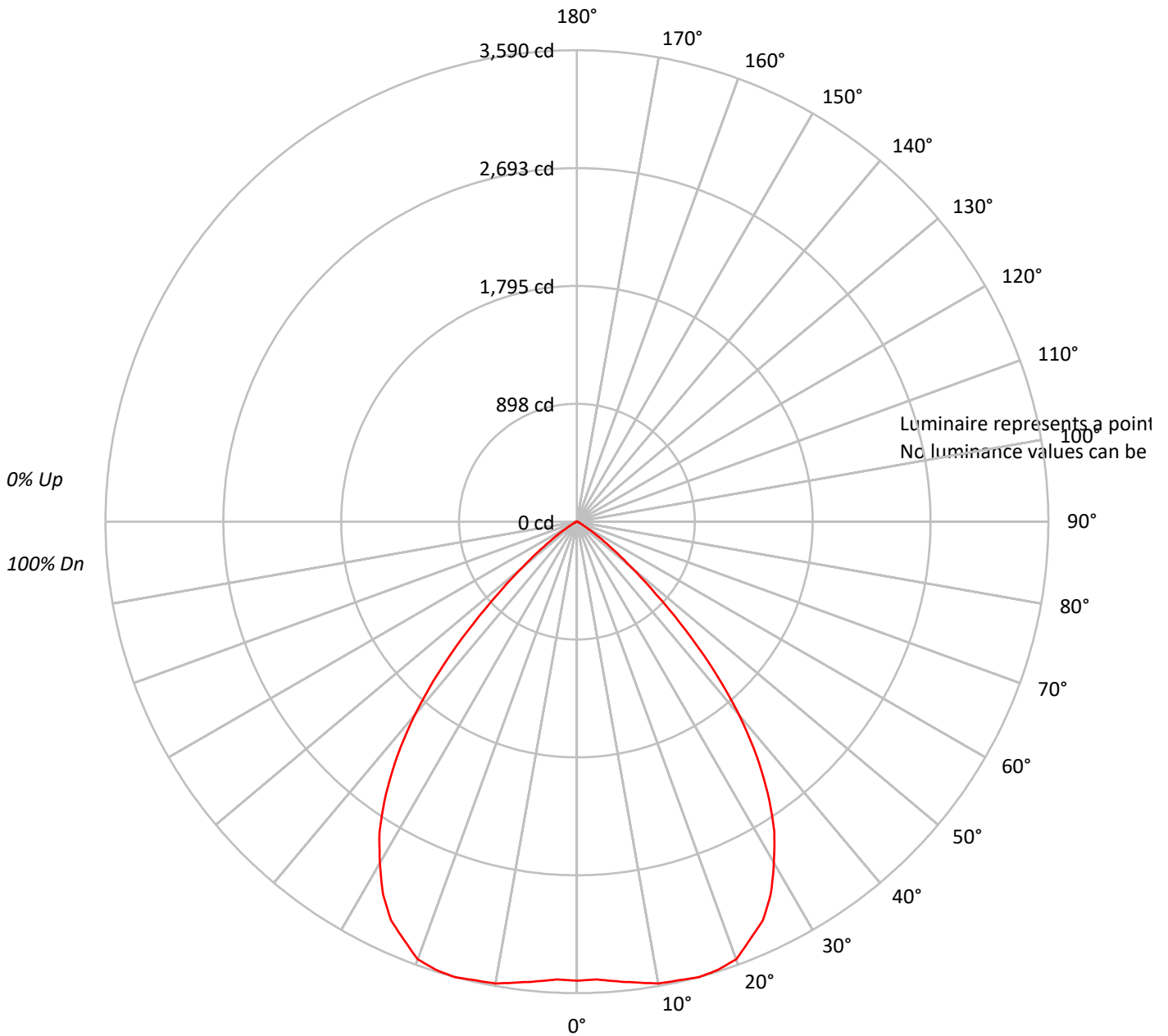
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92			
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83			
3	100	92	87	82	97	91	86	81	88	84	80	86	82	79	83	80	77	76			
4	93	85	78	74	92	84	78	73	81	76	72	79	75	71	77	74	70	69			
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63			
6	82	72	65	60	81	71	65	60	70	64	59	68	63	59	67	62	59	57			
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52			
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48			
9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	46	44			
10	65	54	47	43	64	53	47	43	52	46	42	51	46	42	51	46	42	41			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.2	6.0
10°-20°	1013.5	18.1
20°-30°	1527.7	27.3
30°-40°	1563.7	27.9
40°-50°	911.0	16.3
50°-60°	209.3	3.7
60°-70°	25.7	0.5
70°-80°	6.6	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°	2878.4	51.4
0°-40°	4442.1	79.4
0°-60°	5562.3	99.4
0°-90°	5594.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5594.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3495	
5°	3514	337
15°	3590	1013
25°	3349	1528
35°	2537	1564
45°	1174	911
55°	203	209
65°	19	26
75°	6	7
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3495.1
2.5°	3488.8
5°	3514.2
7.5°	3539.6
10°	3571.3
12.5°	3577.6
15°	3590.3
17.5°	3577.6
20°	3545.9
22.5°	3444.4
25°	3349.3
27.5°	3197.0
30°	3000.4
32.5°	2797.4
35°	2537.3
37.5°	2245.5
40°	1922.0
42.5°	1560.4
45°	1173.5
47.5°	818.3
50°	539.2
52.5°	342.5
55°	203.0
57.5°	107.8
60°	57.1
62.5°	31.7
65°	19.0
67.5°	19.0
70°	12.7
72.5°	6.3
75°	6.3
77.5°	6.3
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)