

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: P205440

Luminaire Tested: **LD6B50D010TE EU6B30509035 6LBSLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205440
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 EU6B30509035 6LBSLI1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW 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: 4991.8 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

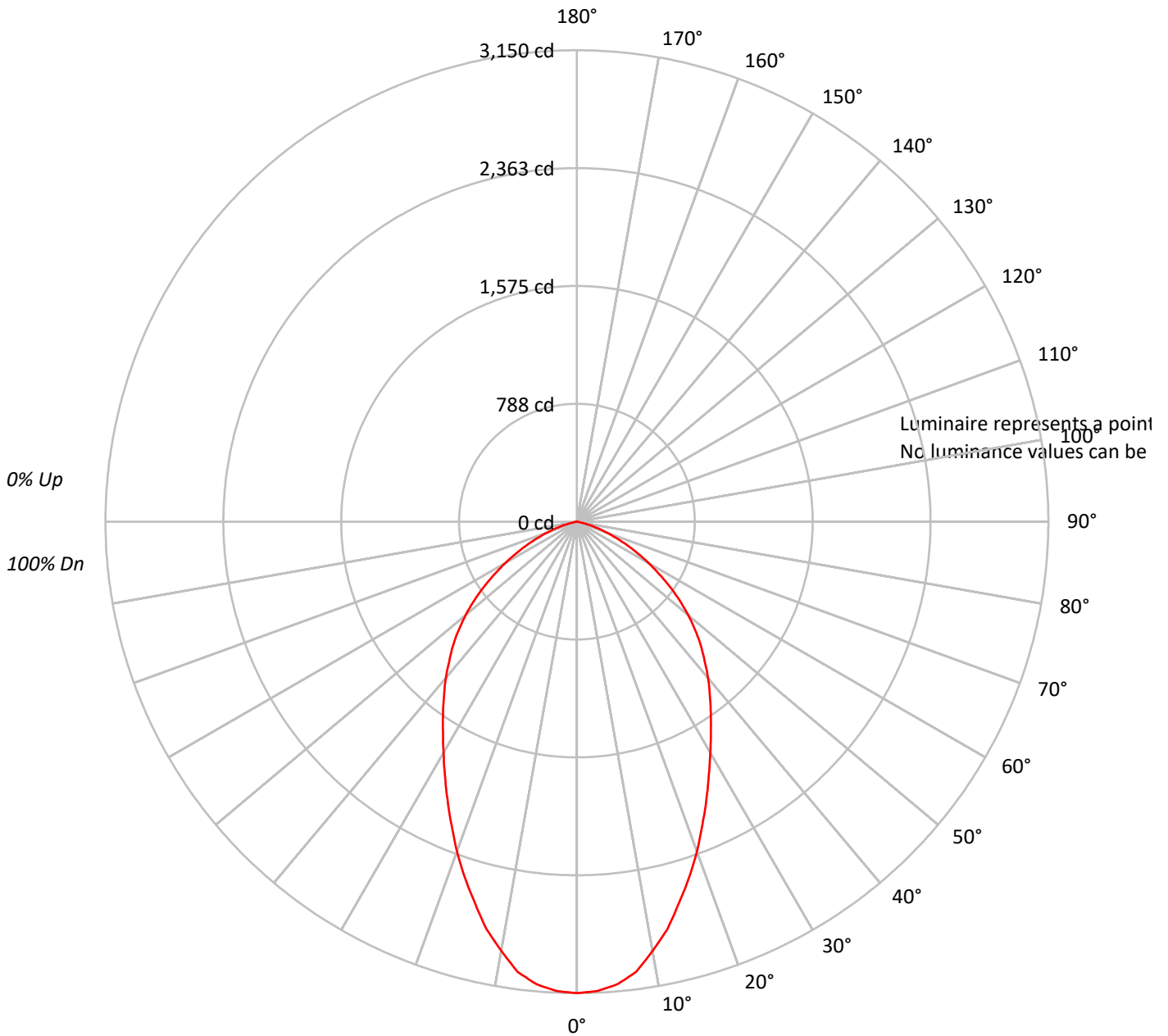
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P205440

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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				100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89				89
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77				77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68				68
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60				60
5	82	71	63	57	80	70	62	57	67	61	56	66	60	55	64	59	55	53				53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47				47
7	71	59	51	46	70	58	51	45	57	50	45	55	49	45	54	49	45	43				43
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39				39
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36				36
10	59	47	40	35	58	46	39	35	45	39	35	45	39	34	44	38	34	33				33

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.3	5.8
10°-20°	739.0	14.8
20°-30°	942.3	18.9
30°-40°	977.3	19.6
40°-50°	900.5	18.0
50°-60°	677.4	13.6
60°-70°	365.6	7.3
70°-80°	98.1	2.0
80°-90°	1.4	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°	1971.6	39.5
0°-40°	2948.8	59.1
0°-60°	4526.7	90.7
0°-90°	4991.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4991.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3150	
5°	3102	290
15°	2636	739
25°	2047	942
35°	1559	977
45°	1172	900
55°	758	677
65°	366	366
75°	85	98
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3150.1
2.5°	3139.5
5°	3102.3
7.5°	3033.4
10°	2911.4
12.5°	2789.5
15°	2635.7
17.5°	2492.5
20°	2344.0
22.5°	2190.2
25°	2047.0
27.5°	1909.1
30°	1781.9
32.5°	1665.2
35°	1559.1
37.5°	1458.4
40°	1362.9
42.5°	1262.2
45°	1172.0
47.5°	1071.2
50°	970.5
52.5°	864.4
55°	758.4
57.5°	652.3
60°	551.5
62.5°	456.1
65°	365.9
67.5°	281.1
70°	206.8
72.5°	143.2
75°	84.9
77.5°	37.1
80°	10.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)