

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: P204647

Luminaire Tested: **LD6B70D010TE EU6B60709030 6LBSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204647
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 EU6B60709030 6LB5MW1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6574.2 lumens
Efficiency: N/A
Efficacy: 82.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

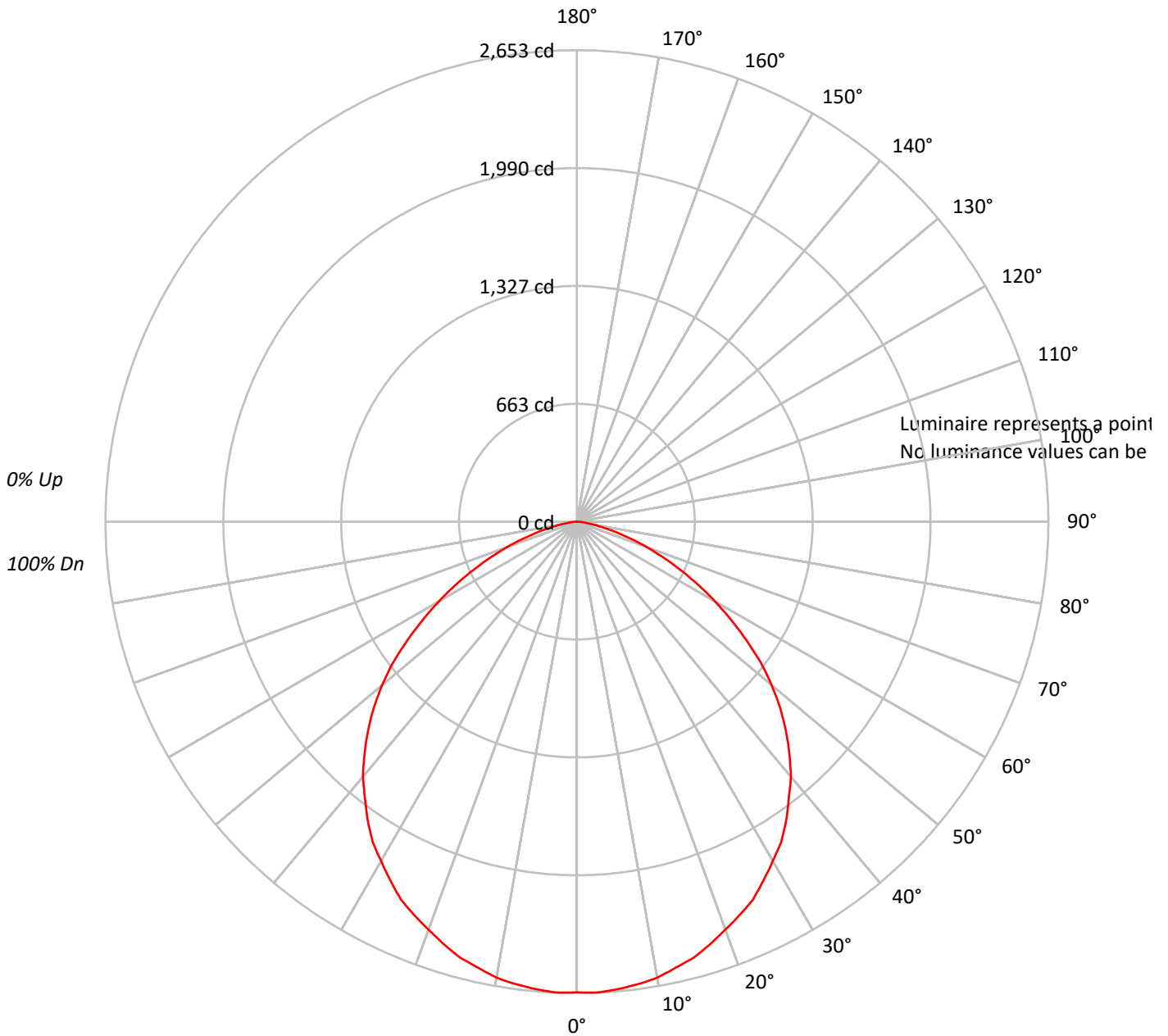
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204647

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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	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86				86
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74				74
3	93	83	75	69	90	81	74	69	78	72	67	76	70	66	73	69	65	63				63
4	85	74	66	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54				54
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	49	47				47
6	73	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42				42
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	43	39	37				37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33				33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30				30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27				27

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.0	3.8
10°-20°	715.4	10.9
20°-30°	1077.4	16.4
30°-40°	1282.0	19.5
40°-50°	1279.7	19.5
50°-60°	1040.7	15.8
60°-70°	640.3	9.7
70°-80°	248.0	3.8
80°-90°	39.7	0.6
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°	2043.8	31.1
0°-40°	3325.8	50.6
0°-60°	5646.2	85.9
0°-90°	6574.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6574.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2649	
5°	2641	251
15°	2540	715
25°	2345	1077
35°	2053	1282
45°	1663	1280
55°	1165	1041
65°	643	640
75°	226	248
85°	31	40
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2648.8
2.5°	2652.7
5°	2641.0
7.5°	2625.4
10°	2605.9
12.5°	2570.9
15°	2539.7
17.5°	2493.0
20°	2442.3
22.5°	2395.6
25°	2345.0
27.5°	2274.8
30°	2204.7
32.5°	2138.5
35°	2052.8
37.5°	1959.3
40°	1873.6
42.5°	1768.5
45°	1663.3
47.5°	1550.3
50°	1429.6
52.5°	1304.9
55°	1164.7
57.5°	1028.4
60°	895.9
62.5°	767.4
65°	642.7
67.5°	525.9
70°	416.8
72.5°	315.5
75°	225.9
77.5°	148.0
80°	89.6
82.5°	54.5
85°	31.2
87.5°	15.6
90°	0.0



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— 0°-180°







(END OF REPORT)