

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: P204801

Luminaire Tested: **LD6B30D010 EU6B30509027 6LBCSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204801
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: LD6B30D010 EU6B30509027 6LBCSMW1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE WHITE TRIM
WATTAGE D010TR-27.4 W DE010-27.95 W D5LT-27.65 W DMX-27.73 W DL2-29.56 W
DL3-29.67 W DLE-29.73 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2666.0 lumens
Efficiency: N/A
Efficacy: 95.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

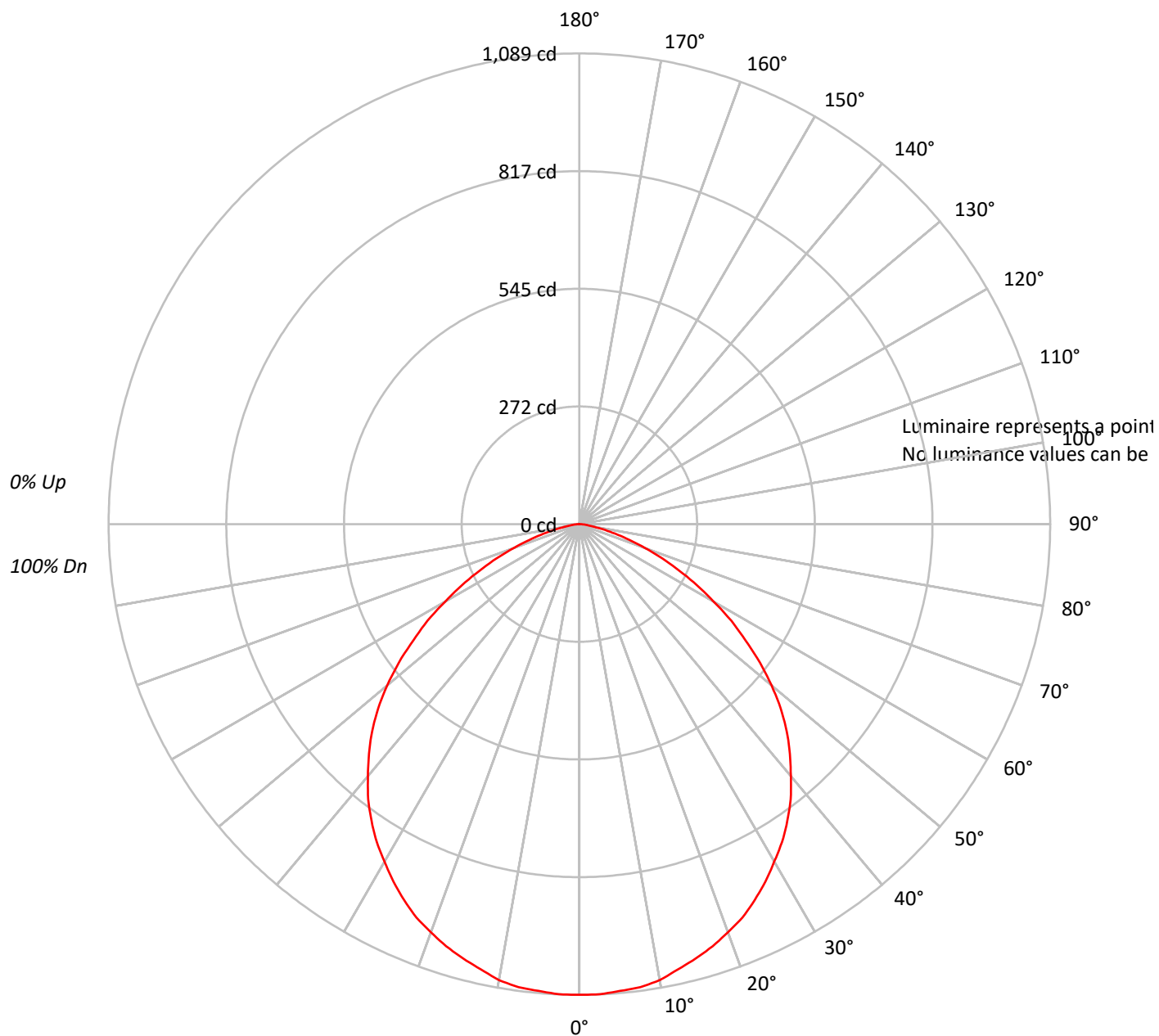
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.2	3.9
10°-20°	293.7	11.0
20°-30°	441.8	16.6
30°-40°	523.6	19.6
40°-50°	521.1	19.5
50°-60°	420.1	15.8
60°-70°	254.1	9.5
70°-80°	94.3	3.5
80°-90°	14.0	0.5
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°	838.7	31.5
0°-40°	1362.3	51.1
0°-60°	2303.5	86.4
0°-90°	2666.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2666.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1089	
5°	1084	103
15°	1040	294
25°	960	442
35°	838	524
45°	678	521
55°	468	420
65°	255	254
75°	86	94
85°	11	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1088.9
2.5°	1088.9
5°	1084.0
7.5°	1080.8
10°	1071.1
12.5°	1054.9
15°	1040.4
17.5°	1024.2
20°	1004.8
22.5°	985.5
25°	959.6
27.5°	932.2
30°	901.5
32.5°	872.4
35°	838.5
37.5°	802.9
40°	760.9
42.5°	720.5
45°	678.5
47.5°	631.7
50°	580.0
52.5°	526.7
55°	468.5
57.5°	416.8
60°	358.6
62.5°	306.9
65°	255.3
67.5°	206.8
70°	161.6
72.5°	121.2
75°	85.6
77.5°	54.9
80°	32.3
82.5°	19.4
85°	11.3
87.5°	4.8
90°	0.0



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— 0°-180°







(END OF REPORT)