

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: P35138

Luminaire Tested: **LD6B10D010 EU6B10209027 6LBSGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P35138
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B10D010 EU6B10209027 6LBSGPH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH GRAPHITE HAZE TRIM
WATTAGE D010TR-10.05 W DE010-10.58 W D5LT-10.2 W DMX-10.6 W DL2-11.8 W
DL3-11.1 W DLE-11.39 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 833.2 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.26
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

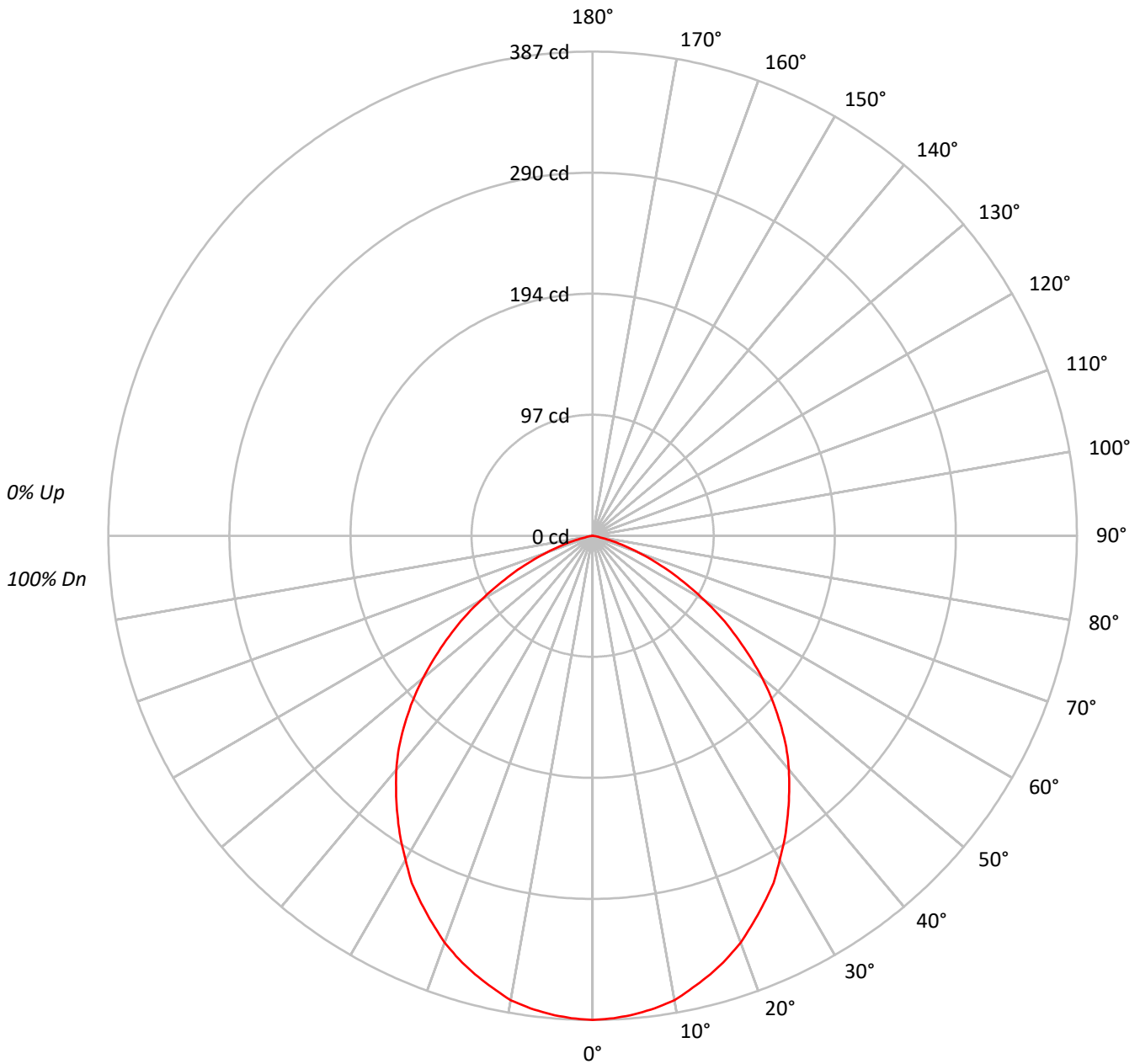
Input Watts (W): 9.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	91	90	88			88
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76			76
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66			66
4	87	76	68	62	85	75	67	62	72	66	61	70	65	60	68	63	59	57			57
5	80	68	60	54	78	67	60	54	65	59	53	63	58	53	62	56	52	50			50
6	74	62	54	48	73	61	53	48	59	52	47	58	52	47	56	51	47	45			45
7	69	57	48	43	68	56	48	43	54	47	42	53	47	42	52	46	42	40			40
8	65	52	44	38	63	51	44	38	50	43	38	49	42	38	48	42	38	36			36
9	60	48	40	35	59	47	40	35	46	39	35	45	39	34	44	38	34	32			32
10	57	44	37	32	56	44	36	32	43	36	31	42	36	31	41	35	31	30			30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	25248
5°	25148
10°	24975
15°	24518
20°	24022
25°	23323
30°	22525
35°	21663
40°	20780
45°	19560
50°	17965
55°	15924
60°	13440
65°	10652
70°	7439
75°	4033
80°	751
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.4	4.4
10°-20°	102.3	12.3
20°-30°	149.2	17.9
30°-40°	170.1	20.4
40°-50°	163.2	19.6
50°-60°	125.0	15.0
60°-70°	68.6	8.2
70°-80°	18.2	2.2
80°-90°	0.3	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°	287.9	34.6
0°-40°	458.0	55.0
0°-60°	746.2	89.5
0°-90°	833.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	833.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	387	
5°	384	36
15°	363	102
25°	324	149
35°	272	170
45°	212	163
55°	140	125
65°	69	69
75°	16	18
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	387
2.5°	386
5°	384
7.5°	381
10°	377
12.5°	370
15°	363
17.5°	355
20°	346
22.5°	335
25°	324
27.5°	313
30°	299
32.5°	286
35°	272
37.5°	258
40°	244
42.5°	229
45°	212
47.5°	195
50°	177
52.5°	158
55°	140
57.5°	122
60°	103
62.5°	85
65°	69
67.5°	53
70°	39
72.5°	26
75°	16
77.5°	7
80°	2
82.5°	0
85°	0
87.5°	0
90°	0



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— 0°-180°







(END OF REPORT)