

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: P205074

Luminaire Tested: **LD6B10D010 EU6B10209050 6LBMLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205074
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: LD6B10D010 EU6B10209050 6LBMLI1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH SPECULAR CLEAR 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: 828.7 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

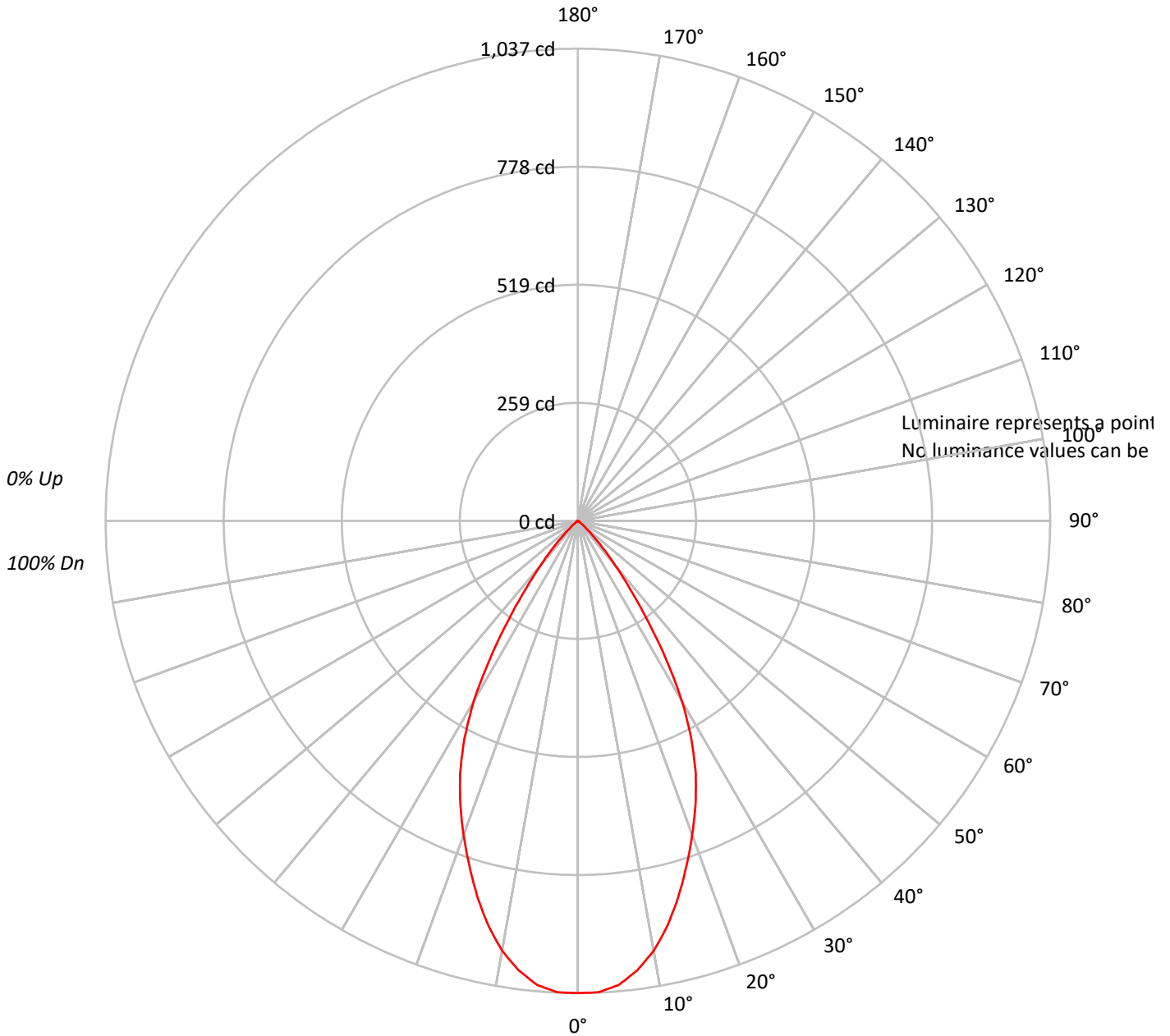
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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									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	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	100	100	100	100	100	100	100	100	100																
	1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94	94	94	94	94	94	94	94	94	94	94																
	2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88	88	88	88	88	88	88	88	88	88	88																
	3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82	82	82	82	82	82	82	82	82	82	82																
	4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76	76	76	76	76	76	76	76	76	76	76																
	5	93	85	79	75	91	84	79	75	82	78	74	81	77	73	79	76	73	71	71	71	71	71	71	71	71	71	71	71																
	6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67	67	67	67	67	67	67	67	67	67	67																
	7	84	75	69	65	83	75	69	65	73	68	65	72	68	64	71	67	64	63	63	63	63	63	63	63	63	63	63	63																
	8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59	59	59	59	59	59	59	59	59	59	59																
	9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55	55	55	55	55	55	55	55																
	10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52	52	52	52	52	52	52	52	52	52	52																

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.5	11.5
10°-20°	237.9	28.7
20°-30°	276.5	33.4
30°-40°	169.3	20.4
40°-50°	42.1	5.1
50°-60°	4.9	0.6
60°-70°	1.8	0.2
70°-80°	0.7	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°	609.9	73.6
0°-40°	779.2	94.0
0°-60°	826.2	99.7
0°-90°	828.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	828.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1037	
5°	1023	96
15°	854	238
25°	612	277
35°	265	169
45°	47	42
55°	4	5
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1037.1
2.5°	1036.0
5°	1023.3
7.5°	995.7
10°	958.6
12.5°	909.8
15°	853.6
17.5°	793.2
20°	733.8
22.5°	674.4
25°	611.9
27.5°	539.8
30°	457.0
32.5°	360.5
35°	265.1
37.5°	186.6
40°	127.3
42.5°	79.5
45°	46.7
47.5°	26.5
50°	13.8
52.5°	6.4
55°	4.2
57.5°	3.2
60°	3.2
62.5°	2.1
65°	2.1
67.5°	1.1
70°	1.1
72.5°	1.1
75°	1.1
77.5°	0.0
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)