

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: P202646

Luminaire Tested: **LD6B40D010 EU6B30508040 6LBMWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202646
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: LD6B40D010 EU6B30508040 6LBMWMH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH WARM HAZE TRIM
WATTAGE D010TR-43.02 W DE010-42.54 W D5LT-42.539 W DMX-41.87 W DL2-41.57
W DL3-44.71 W DLE-39.33 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3394.9 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.89
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

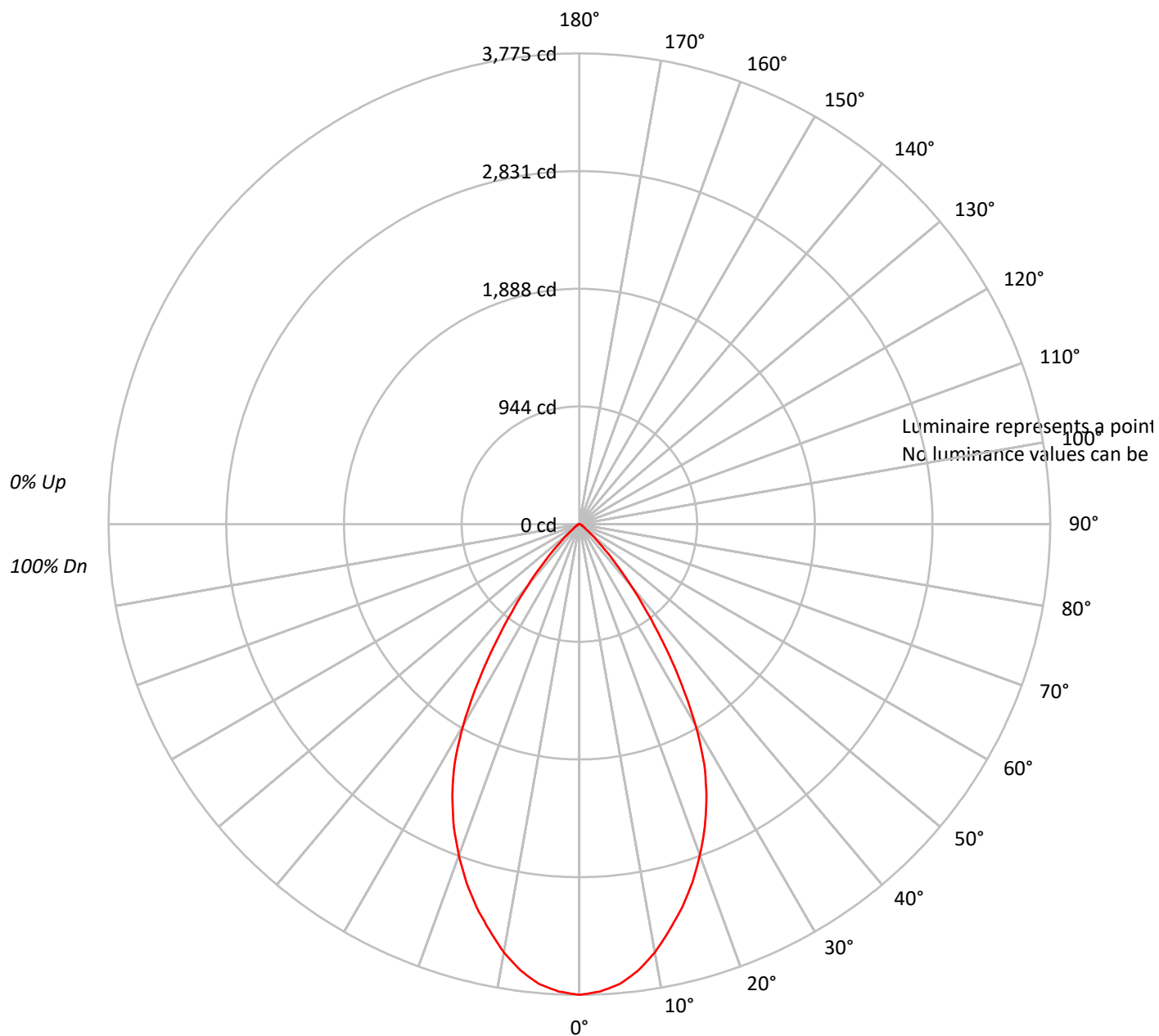
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	105	101	97	94	98	95	92		95	92	90		92
3	102	95	90	86	100	94	89	86	91	88	84		89	86	83		87
4	97	89	83	79	95	88	83	79	86	81	78		84	80	77		82
5	92	83	77	73	90	82	77	73	80	76	72		79	75	71		77
6	87	78	72	67	85	77	71	67	76	71	67		74	70	66		73
7	83	73	67	63	81	72	67	63	71	66	62		70	65	62		69
8	78	69	63	58	77	68	62	58	67	62	58		66	61	58		65
9	75	65	59	55	73	64	59	55	63	58	54		62	58	54		62
10	71	61	55	51	70	61	55	51	60	55	51		59	54	51		58

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.5	10.2
10°-20°	889.5	26.2
20°-30°	1092.6	32.2
30°-40°	749.2	22.1
40°-50°	240.8	7.1
50°-60°	48.8	1.4
60°-70°	19.2	0.6
70°-80°	7.2	0.2
80°-90°	1.2	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°	2328.6	68.6
0°-40°	3077.7	90.7
0°-60°	3367.4	99.2
0°-90°	3394.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3394.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3775	
5°	3703	347
15°	3182	890
25°	2410	1093
35°	1195	749
45°	285	241
55°	49	49
65°	20	19
75°	6	7
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3775.4
2.5°	3752.3
5°	3703.4
7.5°	3611.2
10°	3487.4
12.5°	3334.8
15°	3182.1
17.5°	3012.2
20°	2825.1
22.5°	2629.2
25°	2410.4
27.5°	2168.5
30°	1863.2
32.5°	1526.3
35°	1195.1
37.5°	892.7
40°	642.2
42.5°	437.7
45°	285.1
47.5°	175.7
50°	106.6
52.5°	66.2
55°	49.0
57.5°	37.4
60°	28.8
62.5°	23.0
65°	20.2
67.5°	14.4
70°	11.5
72.5°	8.6
75°	5.8
77.5°	5.8
80°	2.9
82.5°	2.9
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)