

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: P203802

Luminaire Tested: **LD6B60D010TE EU6B60708027 6LBNWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203802
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: LD6B60D010TE EU6B60708027 6LBNWH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH WHEAT TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3848.4 lumens
Efficiency: N/A
Efficacy: 61.6 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.64
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

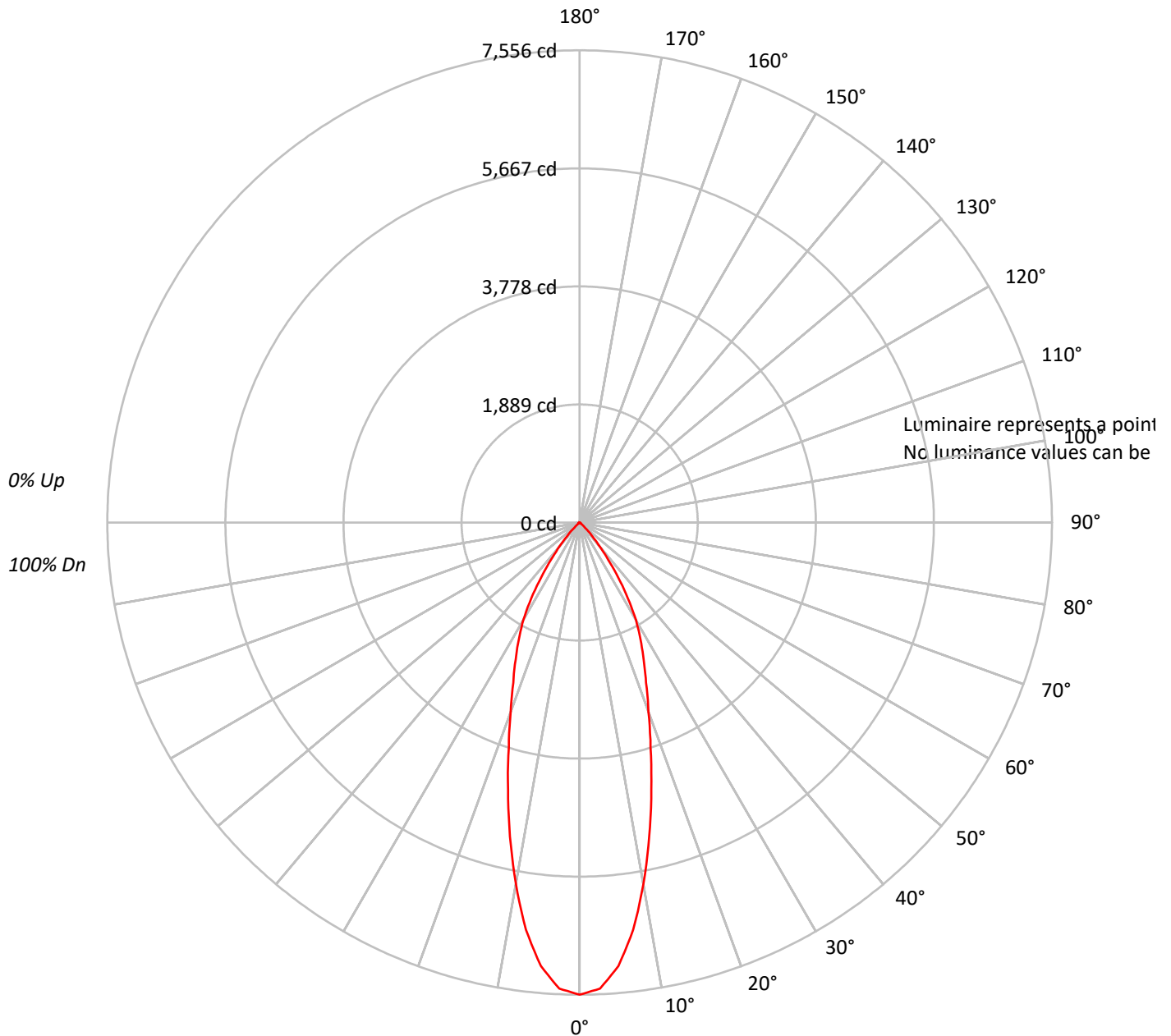
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	112	109	107	105	105	104	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94
3	104	98	93	90	102	97	92	89	94	91	88		92	89	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	77	84	80	77		83	79	76		81
6	91	82	77	73	89	82	76	73	80	76	72		79	75	72		78
7	87	78	73	69	85	77	72	69	76	72	68		75	71	68		74
8	83	74	69	65	82	74	68	65	73	68	65		72	67	64		71
9	79	71	65	62	78	70	65	61	69	65	61		68	64	61		68
10	76	67	62	58	75	67	62	58	66	61	58		65	61	58		65

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	639.6	16.6
10°-20°	1229.0	31.9
20°-30°	1117.3	29.0
30°-40°	677.3	17.6
40°-50°	154.2	4.0
50°-60°	19.7	0.5
60°-70°	8.8	0.2
70°-80°	2.5	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°	2985.9	77.6
0°-40°	3663.2	95.2
0°-60°	3837.0	99.7
0°-90°	3848.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3848.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7556	
5°	7124	640
15°	4426	1229
25°	2422	1117
35°	1074	677
45°	170	154
55°	20	20
65°	6	9
75°	0	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7555.7
2.5°	7464.1
5°	7123.6
7.5°	6573.6
10°	5873.0
12.5°	5146.3
15°	4426.1
17.5°	3771.3
20°	3221.3
22.5°	2776.1
25°	2422.5
27.5°	2108.3
30°	1800.5
32.5°	1440.4
35°	1073.8
37.5°	753.0
40°	497.6
42.5°	307.7
45°	170.2
47.5°	78.6
50°	32.7
52.5°	26.2
55°	19.6
57.5°	19.6
60°	13.1
62.5°	13.1
65°	6.5
67.5°	6.5
70°	6.5
72.5°	6.5
75°	0.0
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)