

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: P204117

Luminaire Tested: **LD6B60D010TE EU6B60709027 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204117
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 EU6B60709027 6LBNMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3540.6 lumens
Efficiency: N/A
Efficacy: 56.7 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

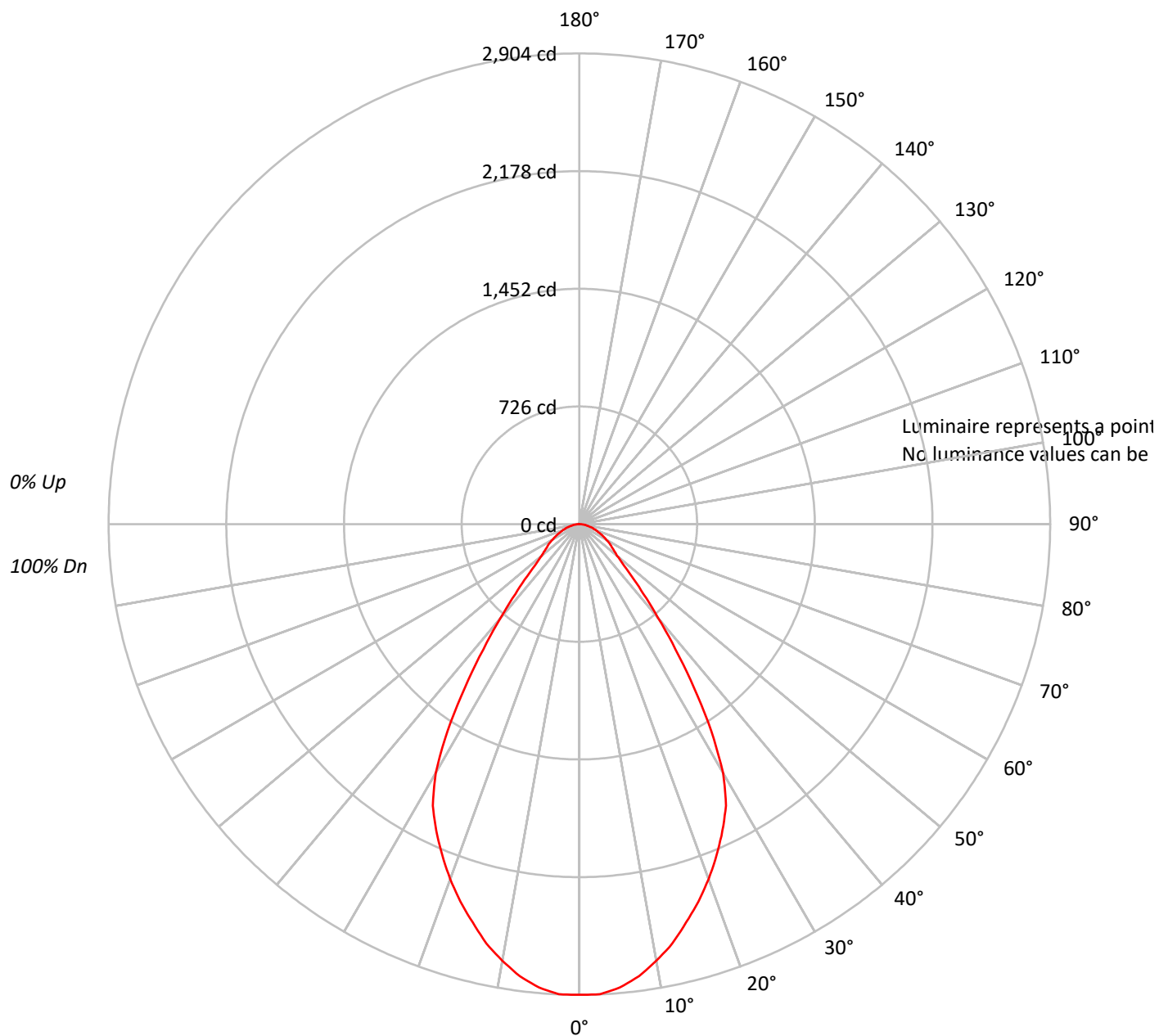
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	112	108	105	103		109	106	103	101		102	100	98			98	97	95			90
2	105	99	94	90		102	97	92	89		94	90	87			91	87	85			81
3	98	90	84	79		96	89	83	79		86	81	77			84	80	76			73
4	92	83	76	71		90	82	76	71		80	74	70			77	73	69			66
5	87	77	70	64		85	76	69	64		74	68	64			72	67	63			61
6	81	71	64	59		80	70	63	59		68	63	58			67	62	58			56
7	77	66	59	54		75	65	59	54		64	58	54			63	57	53			51
8	72	61	55	50		71	61	54	50		60	54	49			59	53	49			47
9	69	58	51	46		67	57	51	46		56	50	46			55	50	46			44
10	65	54	47	43		64	54	47	43		53	47	43			52	46	43			41

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.6	7.6
10°-20°	714.7	20.2
20°-30°	954.2	26.9
30°-40°	769.8	21.7
40°-50°	368.9	10.4
50°-60°	218.7	6.2
60°-70°	145.4	4.1
70°-80°	77.9	2.2
80°-90°	21.4	0.6
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°	1938.5	54.8
0°-40°	2708.3	76.5
0°-60°	3295.9	93.1
0°-90°	3540.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3540.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2904	
5°	2870	270
15°	2544	715
25°	2088	954
35°	1232	770
45°	456	369
55°	242	219
65°	146	145
75°	73	78
85°	17	21
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2903.7
2.5°	2903.7
5°	2869.9
7.5°	2813.6
10°	2734.9
12.5°	2650.4
15°	2543.5
17.5°	2442.2
20°	2329.7
22.5°	2211.5
25°	2087.7
27.5°	1958.3
30°	1772.6
32.5°	1513.7
35°	1232.4
37.5°	973.5
40°	754.1
42.5°	585.2
45°	455.8
47.5°	360.1
50°	303.9
52.5°	270.1
55°	242.0
57.5°	219.5
60°	191.3
62.5°	168.8
65°	146.3
67.5°	123.8
70°	106.9
72.5°	90.0
75°	73.2
77.5°	56.3
80°	45.0
82.5°	33.8
85°	16.9
87.5°	5.6
90°	0.0



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— 0°-180°







(END OF REPORT)