

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: P204114

Luminaire Tested: **LD6B60D010TE EU6B60708040 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204114
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 EU6B60708040 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: 4465.0 lumens
Efficiency: N/A
Efficacy: 71.5 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

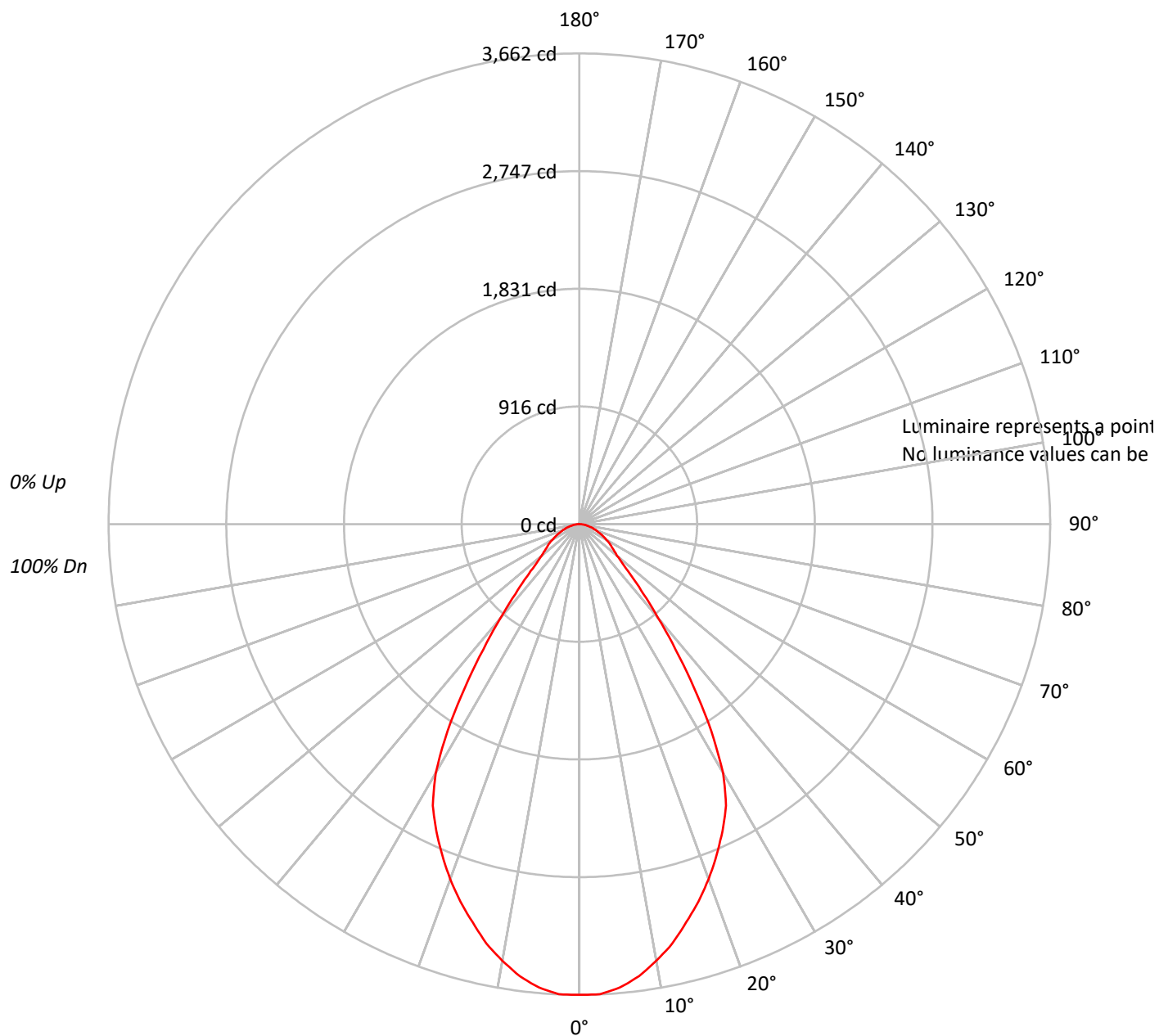
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			50
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	112	108	105	103	109	106	103	101		102	100	98			98	97	95			95
2	105	99	94	90	102	97	92	89		94	90	87			91	87	85			88
3	98	90	84	79	96	89	83	79		86	81	77			84	80	76			81
4	92	83	76	71	90	82	76	71		80	74	70			77	73	69			75
5	87	77	70	64	85	76	69	64		74	68	64			72	67	63			70
6	81	71	64	59	80	70	63	59		68	63	58			67	62	58			66
7	77	66	59	54	75	65	59	54		64	58	54			63	57	53			61
8	72	61	55	50	71	61	54	50		60	54	49			59	53	49			58
9	69	58	51	46	67	57	51	46		56	50	46			55	50	46			54
10	65	54	47	43	64	54	47	43		53	47	43			52	46	43			51

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.0	7.6
10°-20°	901.3	20.2
20°-30°	1203.3	26.9
30°-40°	970.8	21.7
40°-50°	465.2	10.4
50°-60°	275.8	6.2
60°-70°	183.3	4.1
70°-80°	98.2	2.2
80°-90°	27.0	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°	2444.6	54.8
0°-40°	3415.4	76.5
0°-60°	4156.4	93.1
0°-90°	4465.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4465.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3662	
5°	3619	340
15°	3208	901
25°	2633	1203
35°	1554	971
45°	575	465
55°	305	276
65°	184	183
75°	92	98
85°	21	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3661.8
2.5°	3661.8
5°	3619.2
7.5°	3548.2
10°	3448.9
12.5°	3342.4
15°	3207.6
17.5°	3079.9
20°	2937.9
22.5°	2788.9
25°	2632.8
27.5°	2469.6
30°	2235.4
32.5°	1908.9
35°	1554.1
37.5°	1227.7
40°	950.9
42.5°	738.0
45°	574.8
47.5°	454.2
50°	383.2
52.5°	340.6
55°	305.1
57.5°	276.8
60°	241.3
62.5°	212.9
65°	184.5
67.5°	156.1
70°	134.8
72.5°	113.5
75°	92.3
77.5°	71.0
80°	56.8
82.5°	42.6
85°	21.3
87.5°	7.1
90°	0.0



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— 0°-180°







(END OF REPORT)