

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: P203915

Luminaire Tested: **LD6B60D010TE EU6B60709050 6LBNGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203915
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 EU6B60709050 6LBNGPH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH GRAPHITE HAZE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2617.7 lumens
Efficiency: N/A
Efficacy: 41.9 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.88
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

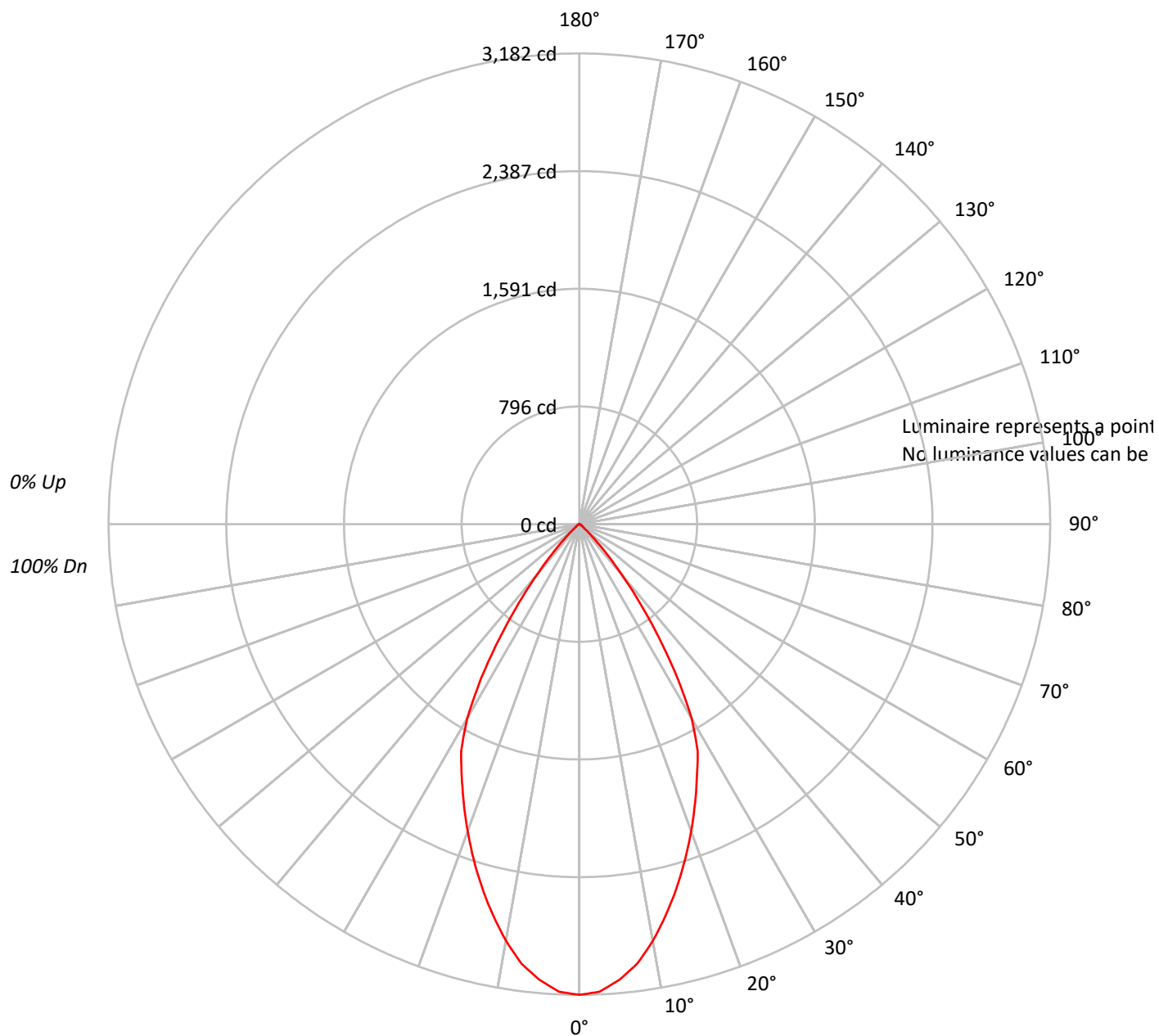
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





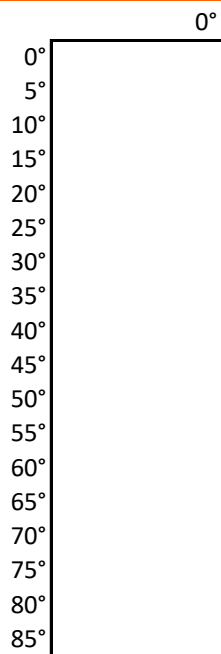
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	108	106	111	109	106	104		105	103	101			101	100	98			97
2	108	103	99	96	106	101	98	95		98	95	93			95	93	91			92
3	103	96	91	87	101	95	90	87		92	88	85			90	87	84			88
4	97	90	84	80	96	89	84	80		87	82	79			85	81	78			83
5	93	84	78	74	91	83	78	74		82	77	73			80	76	73			78
6	88	79	73	69	86	78	73	69		77	72	68			75	71	68			74
7	84	74	68	64	82	74	68	64		72	67	64			71	67	63			70
8	79	70	64	60	78	69	64	60		68	63	60			67	63	59			66
9	76	66	60	56	75	66	60	56		65	60	56			64	59	56			63
10	72	63	57	53	71	62	57	53		61	56	53			61	56	53			60

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.0	11.0
10°-20°	710.4	27.1
20°-30°	860.7	32.9
30°-40°	586.6	22.4
40°-50°	139.7	5.3
50°-60°	21.8	0.8
60°-70°	8.1	0.3
70°-80°	2.3	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°	1859.2	71.0
0°-40°	2445.7	93.4
0°-60°	2607.3	99.6
0°-90°	2617.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2617.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3182	
5°	3092	288
15°	2543	710
25°	1880	861
35°	937	587
45°	149	140
55°	24	22
65°	6	8
75°	0	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3181.9
2.5°	3164.0
5°	3092.3
7.5°	2996.8
10°	2859.5
12.5°	2704.3
15°	2543.1
17.5°	2376.0
20°	2208.8
22.5°	2041.7
25°	1880.5
27.5°	1731.2
30°	1516.3
32.5°	1235.7
35°	937.3
37.5°	668.6
40°	441.8
42.5°	274.6
45°	149.2
47.5°	77.6
50°	41.8
52.5°	29.8
55°	23.9
57.5°	17.9
60°	11.9
62.5°	11.9
65°	6.0
67.5°	6.0
70°	6.0
72.5°	6.0
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)