

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: P204944

Luminaire Tested: **LD6B60D010TE EU6B60709030 6LBCSMB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204944
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 EU6B60709030 6LBCSMB1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE BLACK TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4733.2 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

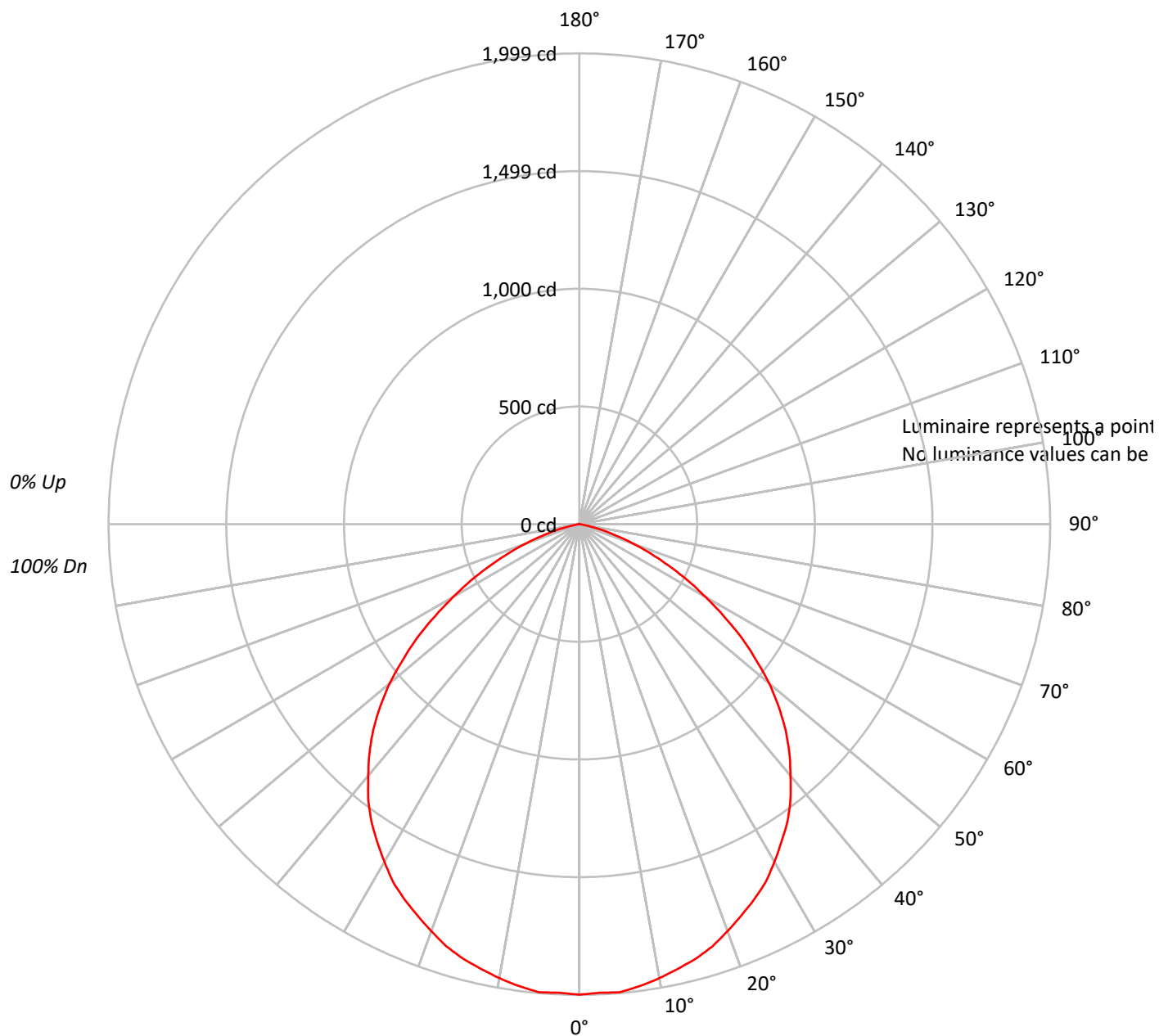
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot

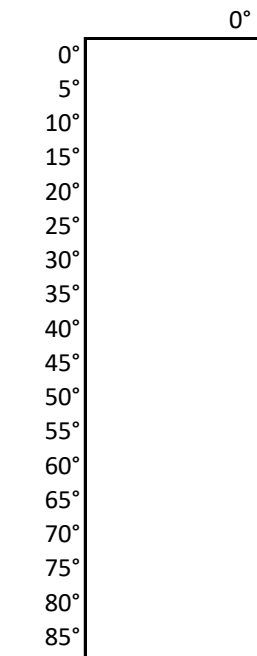


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88		
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75		
3	93	84	77	71	91	83	76	70	80	74	69	77	72	68	74	70	67	65		
4	86	75	67	61	84	74	66	61	71	65	60	69	63	59	67	62	58	56		
5	79	67	59	53	77	66	59	53	64	57	52	62	56	52	61	55	51	49		
6	74	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43		
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	39		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	46	41	36	35		
9	60	47	39	33	58	46	39	33	45	38	33	44	38	33	43	37	33	31		
10	56	43	35	30	55	43	35	30	42	35	30	41	34	30	40	34	30	28		

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.0	4.0
10°-20°	538.6	11.4
20°-30°	809.6	17.1
30°-40°	960.6	20.3
40°-50°	950.6	20.1
50°-60°	746.7	15.8
60°-70°	418.7	8.8
70°-80°	117.6	2.5
80°-90°	1.8	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°	1537.2	32.5
0°-40°	2497.8	52.8
0°-60°	4195.1	88.6
0°-90°	4733.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4733.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1999	
5°	1995	189
15°	1910	539
25°	1758	810
35°	1540	961
45°	1238	951
55°	842	747
65°	417	419
75°	102	118
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1998.6
2.5°	1991.8
5°	1995.2
7.5°	1978.3
10°	1957.9
12.5°	1934.2
15°	1910.4
17.5°	1879.9
20°	1839.1
22.5°	1798.4
25°	1757.7
27.5°	1713.6
30°	1655.9
32.5°	1598.2
35°	1540.5
37.5°	1472.7
40°	1394.6
42.5°	1320.0
45°	1238.5
47.5°	1146.9
50°	1051.9
52.5°	943.3
55°	841.5
57.5°	726.2
60°	617.6
62.5°	519.2
65°	417.4
67.5°	329.1
70°	244.3
72.5°	166.3
75°	101.8
77.5°	50.9
80°	13.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)