

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: P203295

Luminaire Tested: **LD6B60D010TE EU6B60709035 6LBMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203295
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 EU6B60709035 6LBMH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3781.5 lumens
Efficiency: N/A
Efficacy: 60.5 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

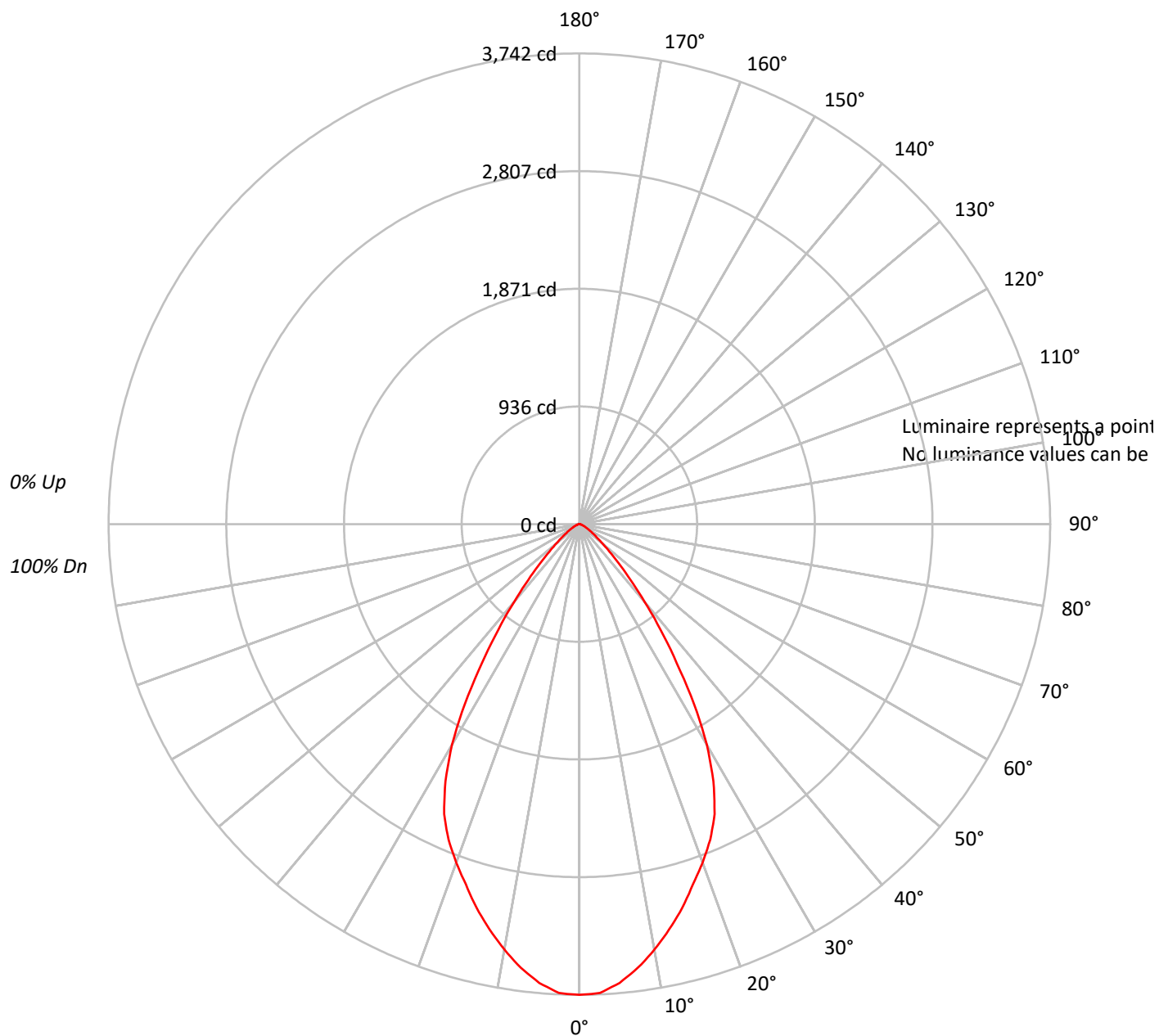
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203295

CATALOG NUMBER: LD6B60D010TE EU6B60709035 6LBMH1

Luminous Intensity Polar Plot





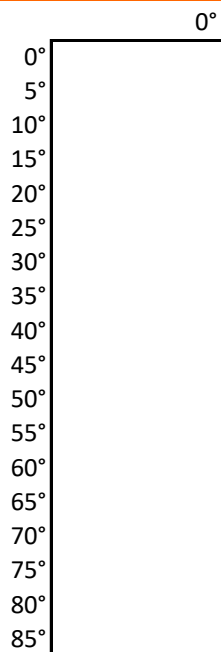
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92		
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85		
3	101	94	88	84	99	92	87	84	90	86	82	87	84	81	85	82	80	78		
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72		
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66		
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61		
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57		
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53		
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49		
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46		

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.2	9.0
10°-20°	885.2	23.4
20°-30°	1147.0	30.3
30°-40°	851.5	22.5
40°-50°	359.5	9.5
50°-60°	127.7	3.4
60°-70°	49.3	1.3
70°-80°	17.1	0.5
80°-90°	2.2	0.1
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°	2374.3	62.8
0°-40°	3225.8	85.3
0°-60°	3712.9	98.2
0°-90°	3781.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3781.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3742	
5°	3661	342
15°	3159	885
25°	2543	1147
35°	1350	852
45°	443	359
55°	135	128
65°	49	49
75°	16	17
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3742.2
2.5°	3731.4
5°	3661.2
7.5°	3558.6
10°	3434.4
12.5°	3299.4
15°	3159.0
17.5°	3002.4
20°	2862.0
22.5°	2716.2
25°	2543.4
27.5°	2305.8
30°	2025.0
32.5°	1695.6
35°	1350.0
37.5°	1058.4
40°	804.6
42.5°	599.4
45°	442.8
47.5°	324.0
50°	237.6
52.5°	178.2
55°	135.0
57.5°	102.6
60°	81.0
62.5°	59.4
65°	48.6
67.5°	37.8
70°	27.0
72.5°	21.6
75°	16.2
77.5°	10.8
80°	5.4
82.5°	5.4
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)