

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: P202784

Luminaire Tested: **LD6B60D010TE EU6B60709730 6LBWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202784
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 EU6B60709730 6LBWH1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE 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: 3943.1 lumens
Efficiency: N/A
Efficacy: 63.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

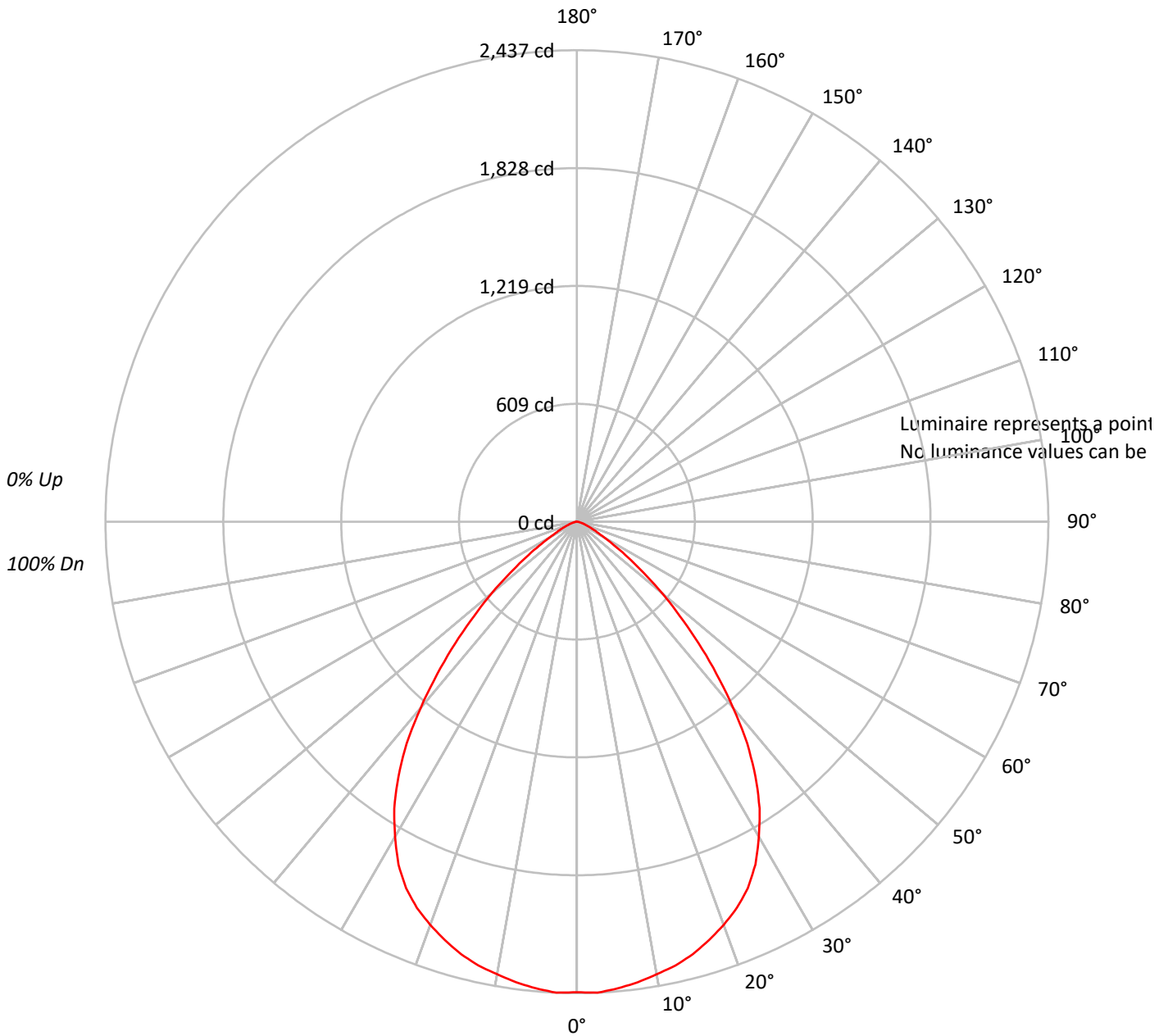
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P202784

CATALOG NUMBER: LD6B60D010TE EU6B60709730 6LBWH1

Luminous Intensity Polar Plot





TEST NUMBER: P202784

CATALOG NUMBER: LD6B60D010TE EU6B60709730 6LBWH1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	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			100
1	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91			91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81			81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73			73
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65			65
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59			59
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53			53
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49			49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			44
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41			41
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38			38

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P202784

CATALOG NUMBER: LD6B60D010TE EU6B60709730 6LBWH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.7	5.8
10°-20°	651.8	16.5
20°-30°	955.7	24.2
30°-40°	994.6	25.2
40°-50°	688.2	17.5
50°-60°	299.6	7.6
60°-70°	91.9	2.3
70°-80°	27.5	0.7
80°-90°	4.2	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°	1837.2	46.6
0°-40°	2831.8	71.8
0°-60°	3819.5	96.9
0°-90°	3943.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3943.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2432	
5°	2422	230
15°	2315	652
25°	2090	956
35°	1610	995
45°	889	688
55°	322	300
65°	87	92
75°	26	28
85°	5	4
90°	0	



TEST NUMBER: P202784

CATALOG NUMBER: LD6B60D010TE EU6B60709730 6LBWH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	2432.1
2.5°	2437.2
5°	2421.9
7.5°	2401.4
10°	2375.9
12.5°	2350.3
15°	2314.6
17.5°	2268.6
20°	2217.5
22.5°	2161.3
25°	2089.7
27.5°	1997.8
30°	1880.3
32.5°	1757.6
35°	1609.5
37.5°	1446.0
40°	1256.9
42.5°	1067.9
45°	889.0
47.5°	720.4
50°	572.3
52.5°	434.3
55°	321.9
57.5°	229.9
60°	158.4
62.5°	117.5
65°	86.9
67.5°	66.4
70°	46.0
72.5°	35.8
75°	25.5
77.5°	15.3
80°	10.2
82.5°	5.1
85°	5.1
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)