

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: P202577

Luminaire Tested: **LD6B60D010TE EU6B60709727 6LBSWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202577
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 EU6B60709727 6LBSWMH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH WARM HAZE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4482.9 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1.1
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

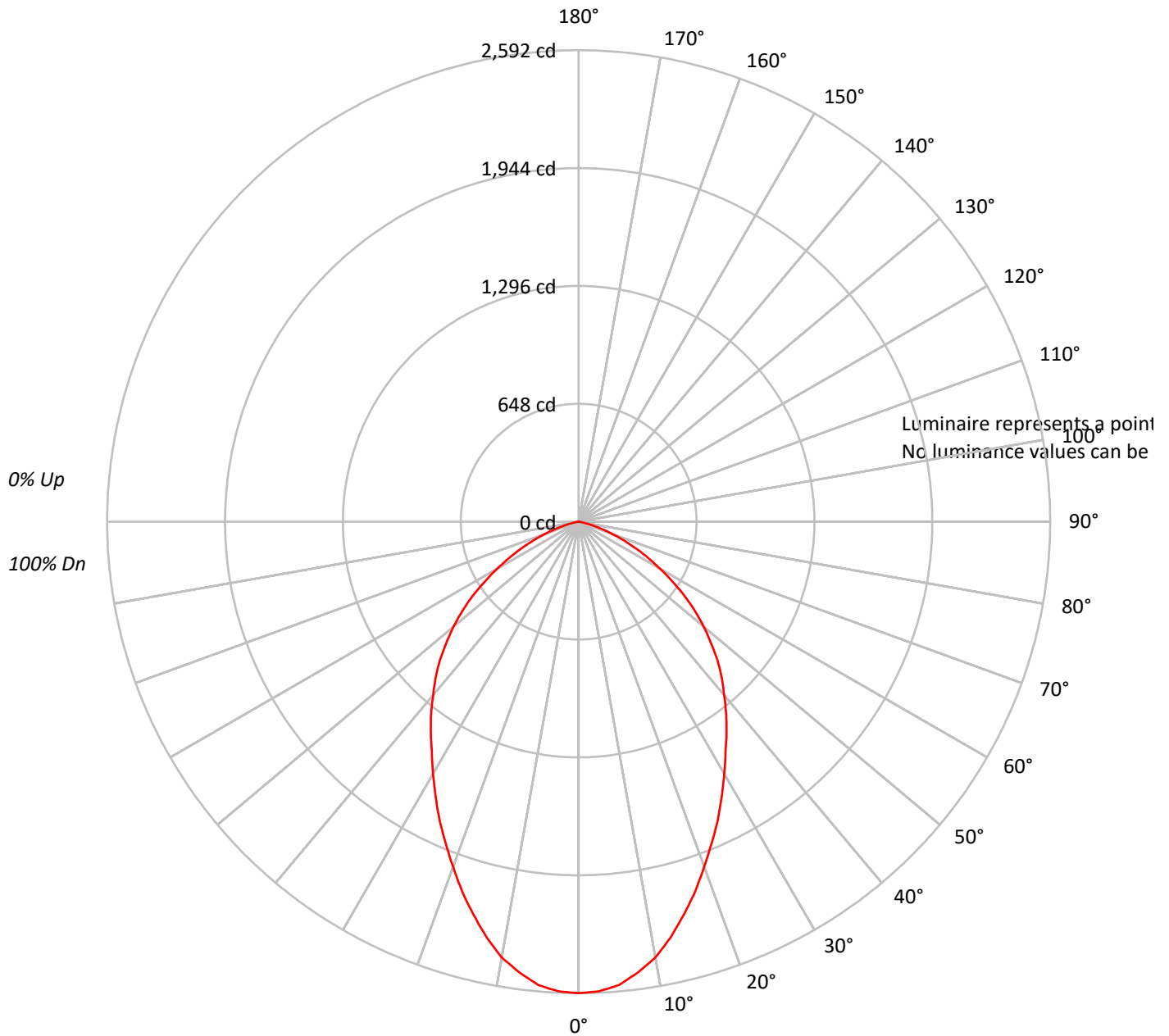
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P202577

CATALOG NUMBER: LD6B60D010TE EU6B60709727 6LBSWMH1

Luminous Intensity Polar Plot





TEST NUMBER: P202577

CATALOG NUMBER: LD6B60D010TE EU6B60709727 6LBSWMH1

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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	107	104	101		108	105	102	99		101	98	96		97	95	93		94	92	90
2	103	96	90	85		100	94	89	84		91	86	82		87	84	81		84	81	79
3	95	86	79	73		92	84	78	73		81	76	71		79	74	70		76	72	69
4	88	77	70	64		86	76	69	63		74	67	62		71	66	62		69	65	61
5	81	70	62	56		79	69	61	56		67	60	55		65	59	55		63	58	54
6	76	64	56	50		74	63	55	50		61	54	49		59	53	49		58	53	48
7	70	58	50	45		69	57	50	45		56	49	44		55	48	44		53	48	44
8	66	54	46	40		64	53	45	40		52	45	40		50	44	40		49	44	40
9	62	49	42	37		61	49	42	37		48	41	37		47	41	36		46	40	36
10	58	46	39	34		57	45	38	34		45	38	34		44	38	33		43	37	33

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P202577

CATALOG NUMBER: LD6B60D010TE EU6B60709727 6LBSWMH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.8	5.4
10°-20°	626.9	14.0
20°-30°	831.3	18.5
30°-40°	886.7	19.8
40°-50°	828.9	18.5
50°-60°	632.0	14.1
60°-70°	343.8	7.7
70°-80°	92.2	2.1
80°-90°	1.1	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°	1698.1	37.9
0°-40°	2584.8	57.7
0°-60°	4045.7	90.2
0°-90°	4482.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4482.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2592	
5°	2557	240
15°	2235	627
25°	1810	831
35°	1417	887
45°	1079	829
55°	711	632
65°	343	344
75°	80	92
85°	0	1
90°	0	



TEST NUMBER: P202577

CATALOG NUMBER: LD6B60D010TE EU6B60709727 6LBSWMH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	2592.3
2.5°	2584.0
5°	2556.6
7.5°	2498.9
10°	2433.0
12.5°	2339.6
15°	2235.3
17.5°	2130.9
20°	2018.3
22.5°	1911.2
25°	1809.6
27.5°	1702.5
30°	1600.9
32.5°	1502.1
35°	1417.0
37.5°	1331.8
40°	1244.0
42.5°	1164.3
45°	1079.2
47.5°	985.8
50°	898.0
52.5°	804.6
55°	711.2
57.5°	609.6
60°	516.3
62.5°	428.4
65°	343.3
67.5°	266.4
70°	195.0
72.5°	134.6
75°	79.6
77.5°	35.7
80°	8.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)