

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: P205455

Luminaire Tested: **LD6B60D010TE EU6B60709050 6LBSLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205455
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 6LBSLI1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SPECULAR CLEAR TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5611.1 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

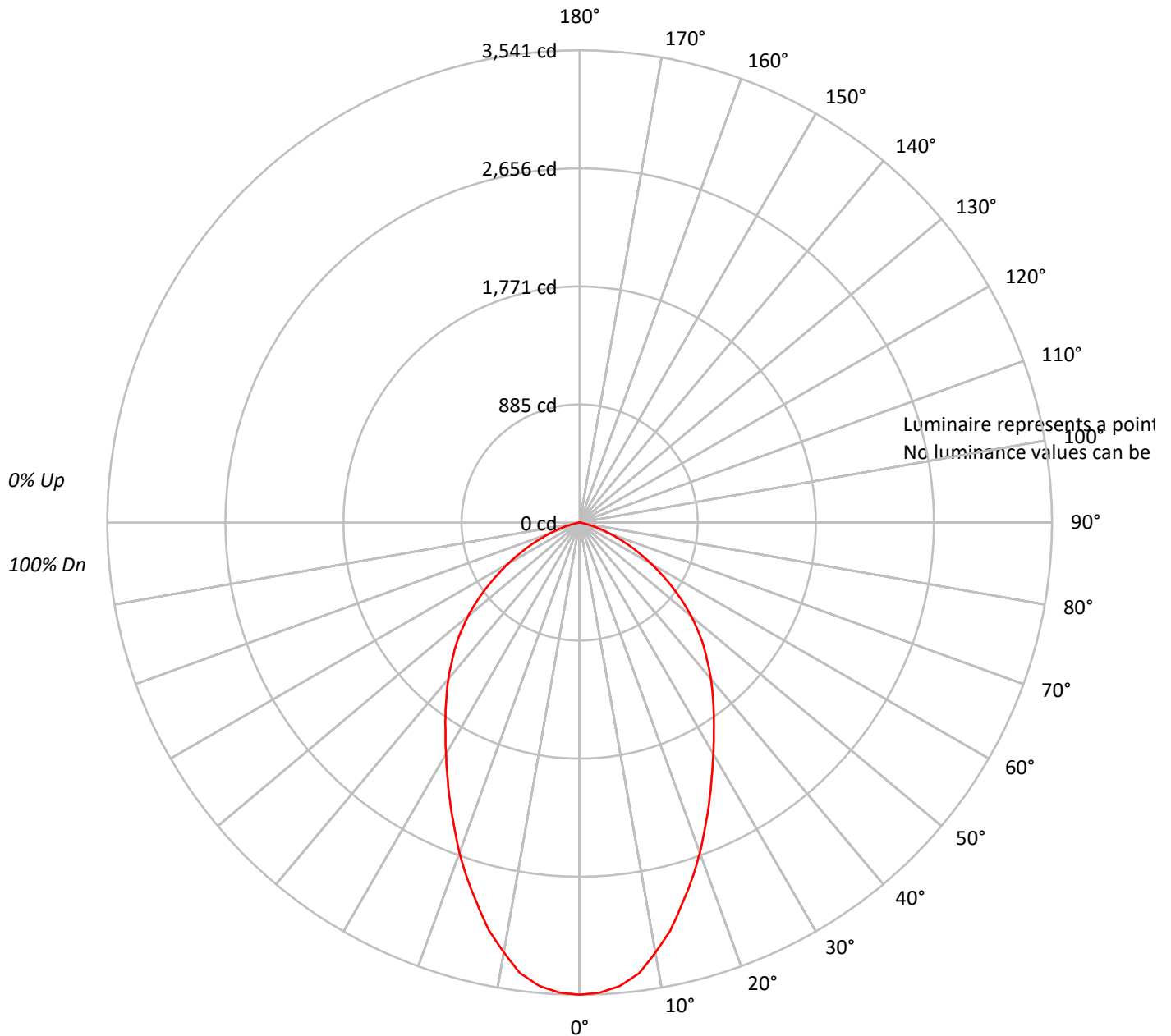
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P205455

CATALOG NUMBER: LD6B60D010TE EU6B60709050 6LBSLI1

Luminous Intensity Polar Plot





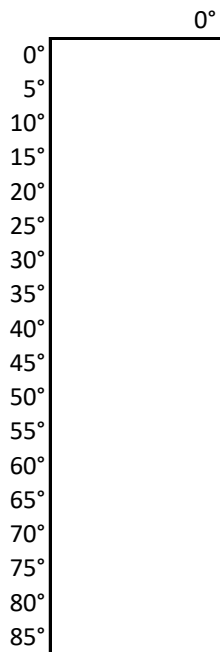
TEST NUMBER: P205455

CATALOG NUMBER: LD6B60D010TE EU6B60709050 6LBSLI1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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	109	105	102	99		101	99	96		97	95	93		94	92	91
2	103	96	91	86	100	94	89	85		91	87	83		88	84	81		85	82	79
3	95	86	79	74	93	85	78	73		82	76	72		79	75	71		77	73	70
4	88	78	70	64	86	77	69	64		74	68	63		72	67	62		70	65	62
5	82	71	63	57	80	70	62	57		67	61	56		66	60	55		64	59	55
6	76	64	56	51	74	63	56	51		62	55	50		60	54	50		59	53	49
7	71	59	51	46	70	58	51	45		57	50	45		55	49	45		54	49	45
8	67	54	47	41	65	54	46	41		52	46	41		51	45	41		50	45	41
9	63	50	43	38	61	50	43	38		49	42	38		48	42	37		47	41	37
10	59	47	40	35	58	46	39	35		45	39	35		45	39	34		44	38	34

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P205455

CATALOG NUMBER: LD6B60D010TE EU6B60709050 6LBSLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.3	5.8
10°-20°	830.6	14.8
20°-30°	1059.2	18.9
30°-40°	1098.5	19.6
40°-50°	1012.2	18.0
50°-60°	761.4	13.6
60°-70°	411.0	7.3
70°-80°	110.2	2.0
80°-90°	1.6	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°	2216.2	39.5
0°-40°	3314.7	59.1
0°-60°	5088.2	90.7
0°-90°	5611.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5611.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3541	
5°	3487	326
15°	2963	831
25°	2301	1059
35°	1753	1099
45°	1317	1012
55°	852	761
65°	411	411
75°	95	110
85°	0	2
90°	0	



TEST NUMBER: P205455

CATALOG NUMBER: LD6B60D010TE EU6B60709050 6LBSLI1

CANDELA DISTRIBUTION (FULL):

	0°
0°	3540.9
2.5°	3529.0
5°	3487.2
7.5°	3409.7
10°	3272.6
12.5°	3135.5
15°	2962.7
17.5°	2801.7
20°	2634.8
22.5°	2461.9
25°	2301.0
27.5°	2146.0
30°	2002.9
32.5°	1871.8
35°	1752.6
37.5°	1639.3
40°	1532.0
42.5°	1418.7
45°	1317.4
47.5°	1204.1
50°	1090.9
52.5°	971.7
55°	852.4
57.5°	733.2
60°	620.0
62.5°	512.7
65°	411.3
67.5°	315.9
70°	232.5
72.5°	160.9
75°	95.4
77.5°	41.7
80°	11.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)