

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: P202570

Luminaire Tested: **LD6B60D010TE EU6B60708050 6LBSWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202570
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 EU6B60708050 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: 6497.3 lumens
Efficiency: N/A
Efficacy: 104.0 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

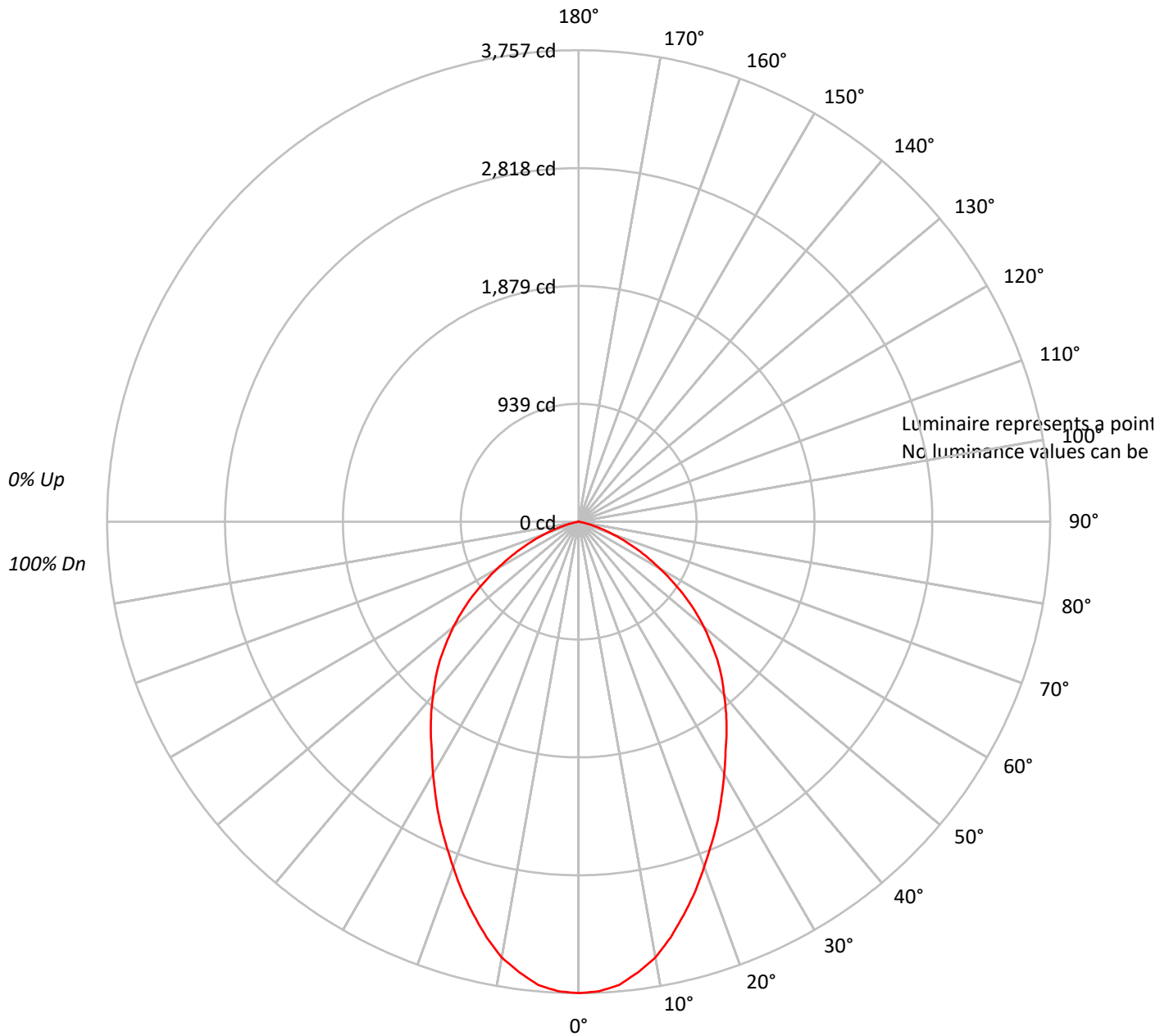
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P202570

CATALOG NUMBER: LD6B60D010TE EU6B60708050 6LBSWMH1

Luminous Intensity Polar Plot





TEST NUMBER: P202570

CATALOG NUMBER: LD6B60D010TE EU6B60708050 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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	107	104	101	108	105	102	99	101	98	96		97	95	93		94
2	103	96	90	85	100	94	89	84	91	86	82		87	84	81		84
3	95	86	79	73	92	84	78	73	81	76	71		79	74	70		76
4	88	77	70	64	86	76	69	63	74	67	62		71	66	62		69
5	81	70	62	56	79	69	61	56	67	60	55		65	59	55		63
6	76	64	56	50	74	63	55	50	61	54	49		59	53	49		58
7	70	58	50	45	69	57	50	45	56	49	44		55	48	44		53
8	66	54	46	40	64	53	45	40	52	45	40		50	44	40		49
9	62	49	42	37	61	49	42	37	48	41	37		47	41	36		46
10	58	46	39	34	57	45	38	34	45	38	34		44	38	33		43

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P202570

CATALOG NUMBER: LD6B60D010TE EU6B60708050 6LBSWMH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.6	5.4
10°-20°	908.7	14.0
20°-30°	1204.9	18.5
30°-40°	1285.2	19.8
40°-50°	1201.4	18.5
50°-60°	916.0	14.1
60°-70°	498.3	7.7
70°-80°	133.6	2.1
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°	2461.2	37.9
0°-40°	3746.4	57.7
0°-60°	5863.8	90.2
0°-90°	6497.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6497.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3757	
5°	3705	348
15°	3240	909
25°	2623	1205
35°	2054	1285
45°	1564	1201
55°	1031	916
65°	498	498
75°	115	134
85°	0	2
90°	0	



TEST NUMBER: P202570

CATALOG NUMBER: LD6B60D010TE EU6B60708050 6LBSWMH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	3757.2
2.5°	3745.2
5°	3705.4
7.5°	3621.8
10°	3526.3
12.5°	3391.0
15°	3239.8
17.5°	3088.5
20°	2925.3
22.5°	2770.1
25°	2622.9
27.5°	2467.6
30°	2320.4
32.5°	2177.1
35°	2053.7
37.5°	1930.3
40°	1803.0
42.5°	1687.5
45°	1564.2
47.5°	1428.8
50°	1301.5
52.5°	1166.2
55°	1030.8
57.5°	883.6
60°	748.3
62.5°	620.9
65°	497.5
67.5°	386.1
70°	282.6
72.5°	195.0
75°	115.4
77.5°	51.7
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)