

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: P203286

Luminaire Tested: **LD6B50D010TE EU6B30509730 6LBMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203286
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: LD6B50D010TE EU6B30509730 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: 2916.6 lumens
Efficiency: N/A
Efficacy: 49.6 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

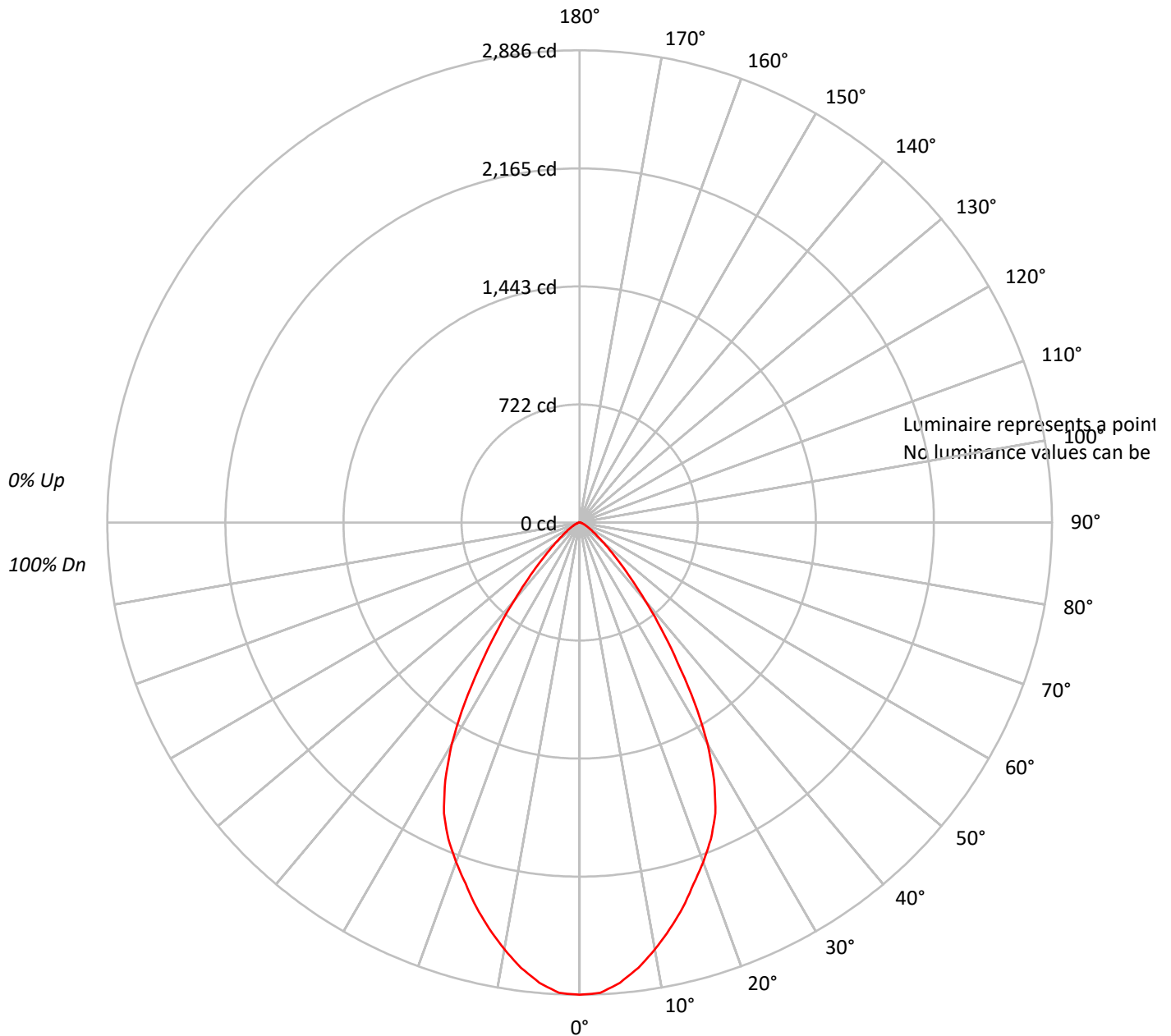
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203286

CATALOG NUMBER: LD6B50D010TE EU6B30509730 6LBMH1

Luminous Intensity Polar Plot





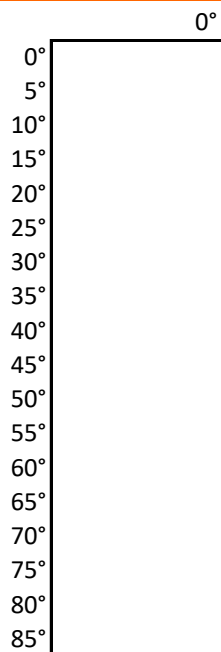
TEST NUMBER: P203286

CATALOG NUMBER: LD6B50D010TE EU6B30509730 6LBMH1

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

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203286

CATALOG NUMBER: LD6B50D010TE EU6B30509730 6LBMH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.9	9.0
10°-20°	682.7	23.4
20°-30°	884.6	30.3
30°-40°	656.7	22.5
40°-50°	277.3	9.5
50°-60°	98.4	3.4
60°-70°	38.0	1.3
70°-80°	13.2	0.5
80°-90°	1.7	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°	1831.3	62.8
0°-40°	2488.0	85.3
0°-60°	2863.7	98.2
0°-90°	2916.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2916.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2886	
5°	2824	264
15°	2436	683
25°	1962	885
35°	1041	657
45°	342	277
55°	104	98
65°	38	38
75°	12	13
85°	0	2
90°	0	



TEST NUMBER: P203286

CATALOG NUMBER: LD6B50D010TE EU6B30509730 6LBMH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	2886.3
2.5°	2878.0
5°	2823.8
7.5°	2744.7
10°	2648.9
12.5°	2544.8
15°	2436.5
17.5°	2315.7
20°	2207.4
22.5°	2095.0
25°	1961.7
27.5°	1778.4
30°	1561.8
32.5°	1307.8
35°	1041.2
37.5°	816.3
40°	620.6
42.5°	462.3
45°	341.5
47.5°	249.9
50°	183.3
52.5°	137.4
55°	104.1
57.5°	79.1
60°	62.5
62.5°	45.8
65°	37.5
67.5°	29.2
70°	20.8
72.5°	16.7
75°	12.5
77.5°	8.3
80°	4.2
82.5°	4.2
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)