

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: P204729

Luminaire Tested: **LD6B50D010TE EU6B30509727 6LBPSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204729
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 EU6B30509727 6LBPSMW1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH PLASTIC MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4146.6 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

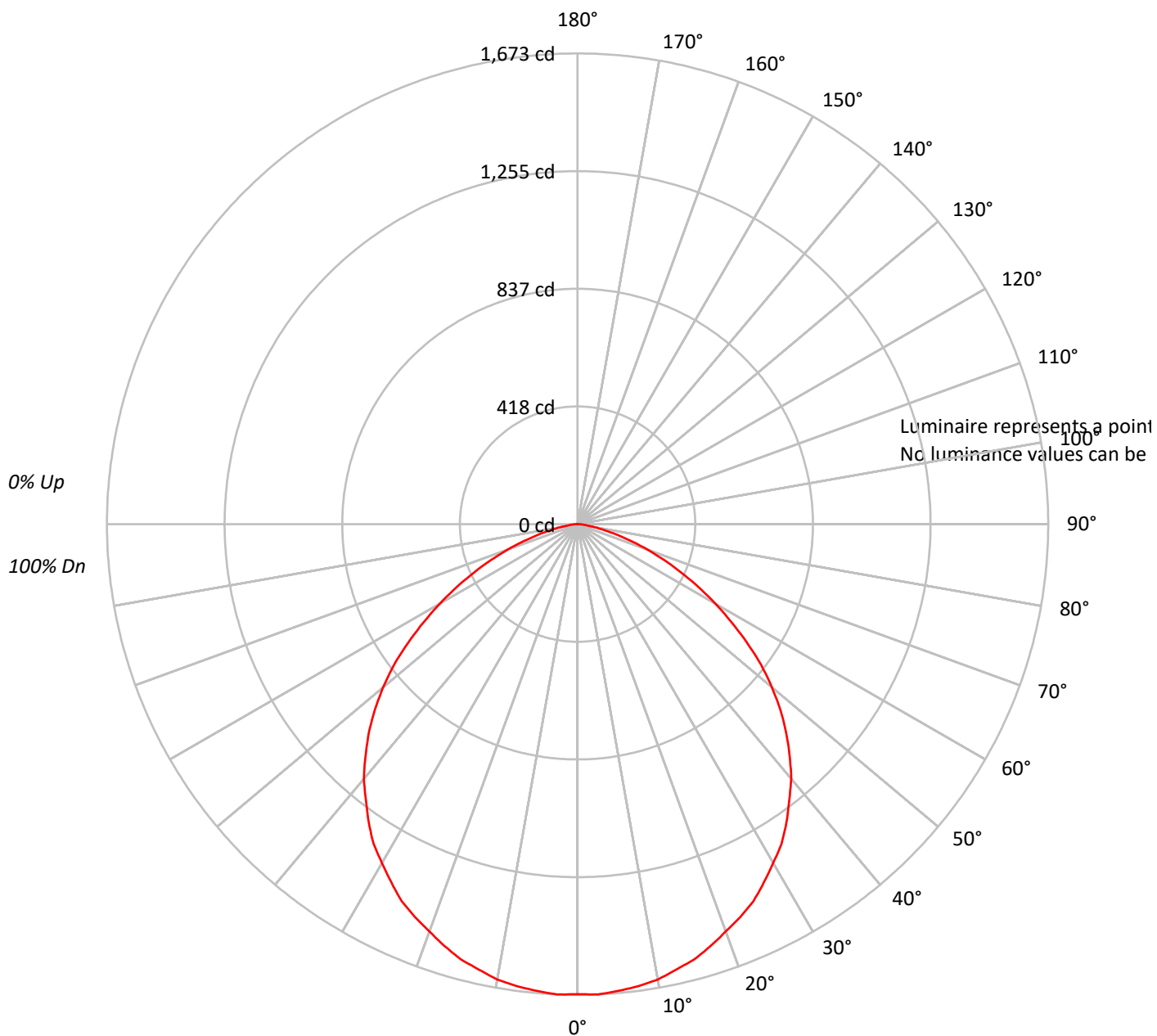
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204729

CATALOG NUMBER: LD6B50D010TE EU6B30509727 6LBPSMW1

Luminous Intensity Polar Plot





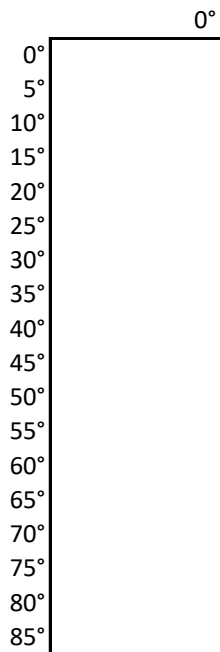
TEST NUMBER: P204729

CATALOG NUMBER: LD6B50D010TE EU6B30509727 6LBPSMW1

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	110	106	102	99	107	104	100	97	99	97	94		96	93	91		92
2	101	93	87	82	98	92	86	81	88	83	79		85	81	77		82
3	93	83	75	69	90	81	74	69	78	72	67		76	70	66		73
4	85	74	65	59	83	72	65	59	70	63	58		68	62	57		66
5	78	66	58	51	76	65	57	51	63	56	51		61	55	50		59
6	73	60	51	45	71	59	51	45	57	50	44		55	49	44		54
7	67	54	46	40	66	54	46	40	52	45	40		51	44	39		49
8	63	50	41	36	61	49	41	36	48	41	35		46	40	35		45
9	59	46	38	32	57	45	37	32	44	37	32		43	36	32		42
10	55	42	34	29	54	42	34	29	41	34	29		40	33	29		39

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204729

CATALOG NUMBER: LD6B50D010TE EU6B30509727 6LBPSMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.3	3.8
10°-20°	451.2	10.9
20°-30°	679.6	16.4
30°-40°	808.6	19.5
40°-50°	807.1	19.5
50°-60°	656.4	15.8
60°-70°	403.8	9.7
70°-80°	156.4	3.8
80°-90°	25.1	0.6
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°	1289.1	31.1
0°-40°	2097.7	50.6
0°-60°	3561.2	85.9
0°-90°	4146.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4146.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1671	
5°	1666	158
15°	1602	451
25°	1479	680
35°	1295	809
45°	1049	807
55°	735	656
65°	405	404
75°	142	156
85°	20	25
90°	0	



TEST NUMBER: P204729

CATALOG NUMBER: LD6B50D010TE EU6B30509727 6LBPSMW1

CANDELA DISTRIBUTION (FULL):

0°	
0°	1670.6
2.5°	1673.1
5°	1665.7
7.5°	1655.9
10°	1643.6
12.5°	1621.5
15°	1601.9
17.5°	1572.4
20°	1540.4
22.5°	1511.0
25°	1479.0
27.5°	1434.8
30°	1390.6
32.5°	1348.8
35°	1294.8
37.5°	1235.8
40°	1181.7
42.5°	1115.4
45°	1049.1
47.5°	977.8
50°	901.7
52.5°	823.0
55°	734.6
57.5°	648.6
60°	565.1
62.5°	484.0
65°	405.4
67.5°	331.7
70°	262.9
72.5°	199.0
75°	142.5
77.5°	93.4
80°	56.5
82.5°	34.4
85°	19.7
87.5°	9.8
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)