

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: P204007

Luminaire Tested: **LD6B50D010TE EU6B30509730 6LBNB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204007
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 6LBNB1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH SPECULAR BLACK TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1741.7 lumens
Efficiency: N/A
Efficacy: 29.6 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.83
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

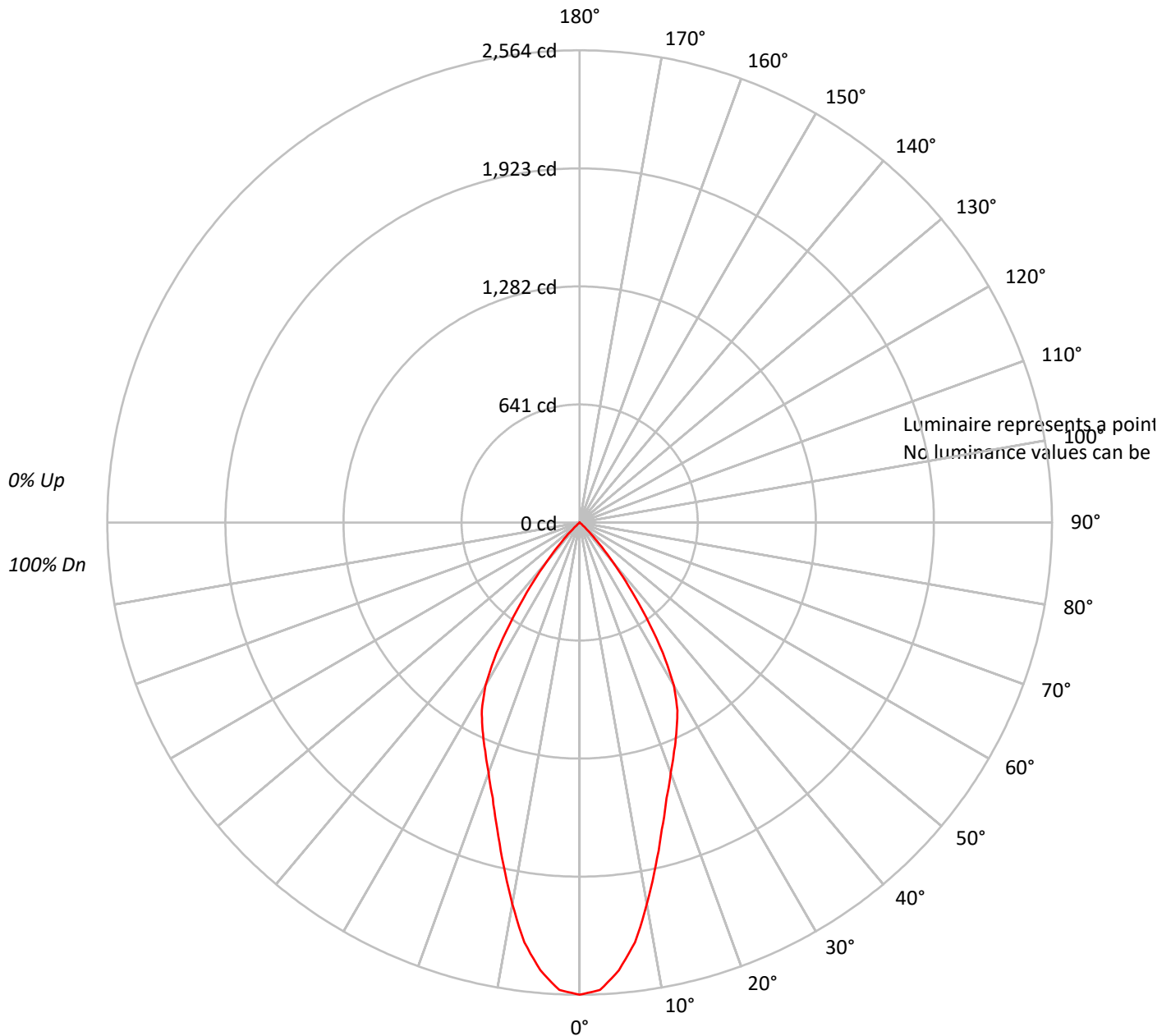
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204007

CATALOG NUMBER: LD6B50D010TE EU6B30509730 6LBNN1

Luminous Intensity Polar Plot





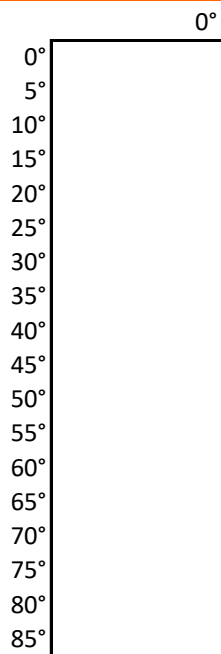
TEST NUMBER: P204007

CATALOG NUMBER: LD6B50D010TE EU6B30509730 6LBNB1

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	114	111	109	107	111	109	107	105		105	103	102			101	100	99			98
2	108	104	100	97	106	102	99	96		99	96	93			96	94	91			93
3	103	97	92	88	101	96	91	88		93	89	86			91	88	85			88
4	98	91	86	82	96	90	85	81		88	84	80			86	82	79			84
5	93	85	80	76	92	85	79	75		83	78	75			81	77	74			80
6	89	80	75	71	88	80	74	70		78	73	70			77	73	69			75
7	85	76	70	66	83	75	70	66		74	69	65			73	68	65			72
8	81	72	66	62	80	71	66	62		70	65	61			69	64	61			68
9	77	68	62	58	76	67	62	58		66	61	58			65	61	58			65
10	74	64	59	55	73	64	58	55		63	58	55			62	58	55			62

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204007

CATALOG NUMBER: LD6B50D010TE EU6B30509730 6LBNB1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.5	12.8
10°-20°	484.8	27.8
20°-30°	569.7	32.7
30°-40°	392.2	22.5
40°-50°	72.6	4.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	1276.9	73.3
0°-40°	1669.1	95.8
0°-60°	1741.7	100.0
0°-90°	1741.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1741.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2564	
5°	2441	222
15°	1725	485
25°	1246	570
35°	630	392
45°	73	73
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P204007

CATALOG NUMBER: LD6B50D010TE EU6B30509730 6LBNB1

CANDELA DISTRIBUTION (FULL):

	0°
0°	2564.0
2.5°	2541.2
5°	2440.8
7.5°	2299.4
10°	2103.2
12.5°	1907.0
15°	1724.6
17.5°	1569.4
20°	1446.2
22.5°	1341.3
25°	1245.5
27.5°	1149.7
30°	1022.0
32.5°	839.5
35°	629.6
37.5°	438.0
40°	278.3
42.5°	155.1
45°	73.0
47.5°	22.8
50°	0.0
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)