

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: P203080

Luminaire Tested: **LD6B50D010TE EU6B30509730 6LBWB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203080
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 6LBWB1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE 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: 2244.6 lumens
Efficiency: N/A
Efficacy: 38.2 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.08
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

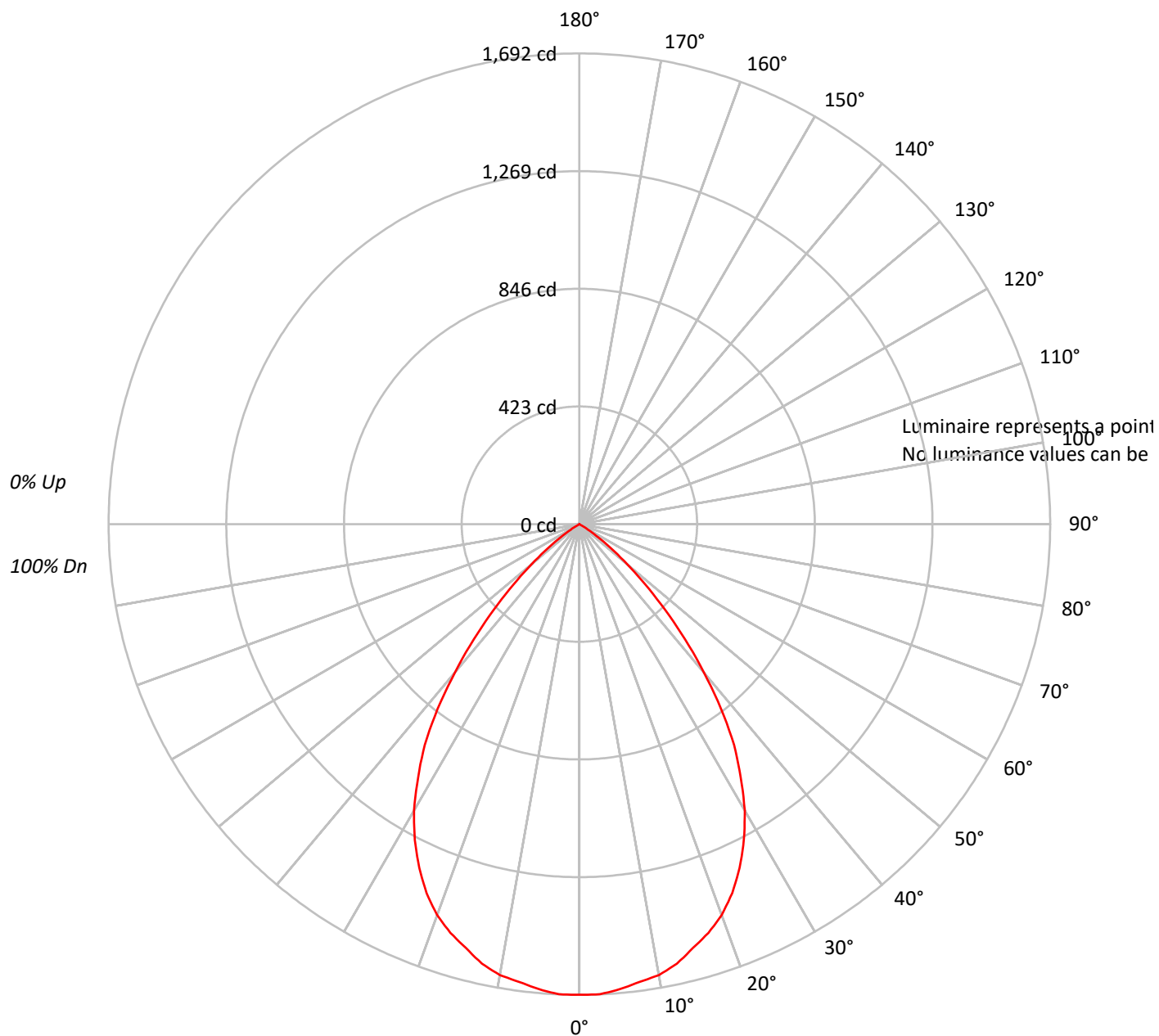
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203080

CATALOG NUMBER: LD6B50D010TE EU6B30509730 6LBWB1

Luminous Intensity Polar Plot





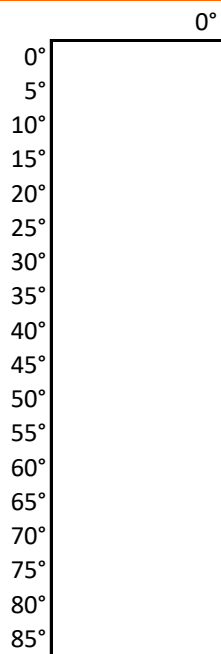
TEST NUMBER: P203080

CATALOG NUMBER: LD6B50D010TE EU6B30509730 6LBWB1

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	107	105		110	108	105	103		104	102	100		100	98	97		96	95	94
2	106	101	97	93		104	99	95	92		96	93	90		93	90	88		90	88	86
3	100	93	87	83		98	92	86	82		89	85	81		86	83	80		84	81	78
4	94	86	79	75		92	85	79	74		82	77	73		80	76	73		78	75	72
5	89	79	73	68		87	78	72	67		76	71	67		75	70	66		73	69	66
6	83	73	67	62		82	72	66	61		71	65	61		69	64	61		68	64	60
7	78	68	61	56		77	67	61	56		66	60	56		65	60	56		63	59	55
8	74	63	57	52		73	63	56	52		61	56	52		60	55	51		59	55	51
9	70	59	52	48		69	58	52	48		57	52	48		57	51	47		56	51	47
10	66	55	49	44		65	55	49	44		54	48	44		53	48	44		52	47	44

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203080

CATALOG NUMBER: LD6B50D010TE EU6B30509730 6LBWB1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.0	7.1
10°-20°	444.8	19.8
20°-30°	623.0	27.8
30°-40°	595.0	26.5
40°-50°	338.8	15.1
50°-60°	82.8	3.7
60°-70°	1.1	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°	1226.9	54.7
0°-40°	1821.9	81.2
0°-60°	2243.5	100.0
0°-90°	2244.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2244.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1692	
5°	1678	159
15°	1577	445
25°	1362	623
35°	969	595
45°	434	339
55°	82	83
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P203080

CATALOG NUMBER: LD6B50D010TE EU6B30509730 6LBWB1

CANDELA DISTRIBUTION (FULL):

	0°
0°	1691.7
2.5°	1691.7
5°	1677.9
7.5°	1659.6
10°	1645.9
12.5°	1618.5
15°	1577.4
17.5°	1540.8
20°	1495.1
22.5°	1435.6
25°	1362.5
27.5°	1280.2
30°	1188.7
32.5°	1079.0
35°	969.3
37.5°	836.7
40°	694.9
42.5°	562.4
45°	434.3
47.5°	320.0
50°	224.0
52.5°	141.7
55°	82.3
57.5°	36.6
60°	9.1
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)