

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: P203492

Luminaire Tested: **LD6B50D010TE EU6B30509730 6LBMB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203492
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 6LBMB1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM 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: 1737.1 lumens
Efficiency: N/A
Efficacy: 29.6 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.86
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

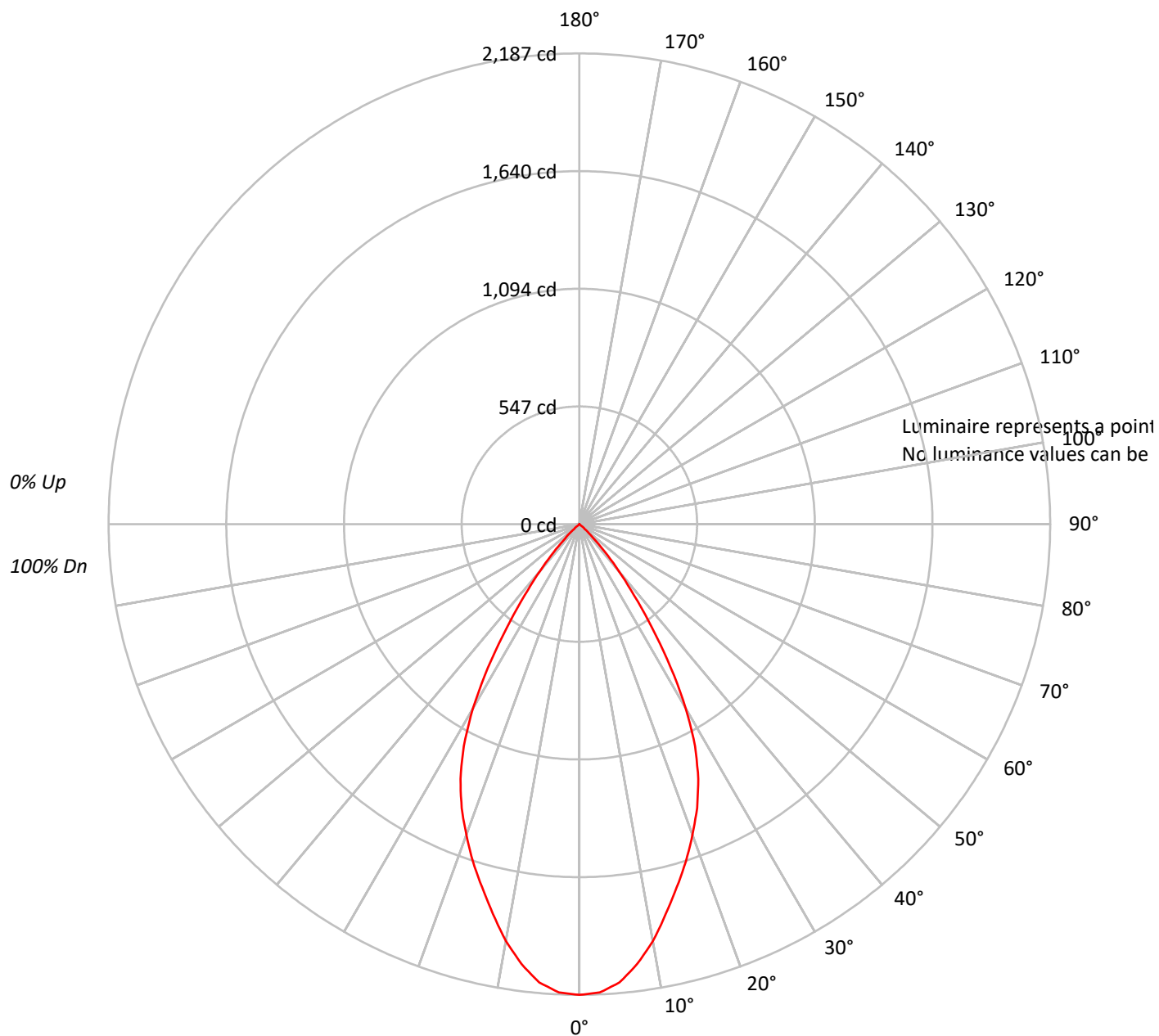
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: LD6B50D010TE EU6B30509730 6LBMB1

Luminous Intensity Polar Plot





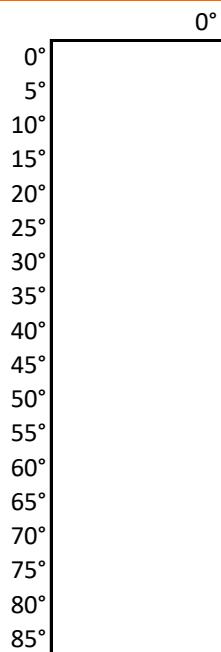
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	114	111	109	106		111	109	107	105		105	103	102			101	100	99			94
2	108	104	100	96		106	102	98	95		99	96	93			96	93	91			88
3	103	97	92	88		101	95	91	87		93	89	86			90	87	85			82
4	98	91	85	81		96	90	85	81		87	83	80			85	82	79			76
5	93	85	79	75		92	84	79	75		82	78	74			81	77	74			72
6	89	80	74	70		87	79	74	70		78	73	69			76	72	69			67
7	84	75	69	65		83	75	69	65		73	68	65			72	68	65			63
8	80	71	65	61		79	71	65	61		69	64	61			68	64	61			59
9	77	67	61	58		76	67	61	57		66	61	57			65	60	57			56
10	73	64	58	54		72	63	58	54		62	57	54			62	57	54			52

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.4	11.4
10°-20°	489.6	28.2
20°-30°	589.7	33.9
30°-40°	373.0	21.5
40°-50°	85.4	4.9
50°-60°	1.0	0.1
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°	1277.8	73.6
0°-40°	1650.8	95.0
0°-60°	1737.1	100.0
0°-90°	1737.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1737.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2187	
5°	2138	198
15°	1747	490
25°	1307	590
35°	588	373
45°	94	85
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2186.9
2.5°	2177.9
5°	2137.5
7.5°	2061.2
10°	1966.9
12.5°	1854.6
15°	1746.8
17.5°	1643.6
20°	1535.8
22.5°	1428.0
25°	1306.8
27.5°	1163.1
30°	987.9
32.5°	790.3
35°	588.3
37.5°	417.6
40°	282.9
42.5°	175.1
45°	94.3
47.5°	40.4
50°	9.0
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



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— 0°-180°







(END OF REPORT)