

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: P205335

Luminaire Tested: **LD6B50D010TE EU6B30509027 6LBNLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205335
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 EU6B30509027 6LBNLI1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH SPECULAR CLEAR TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3490.8 lumens
Efficiency: N/A
Efficacy: 59.4 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.58
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

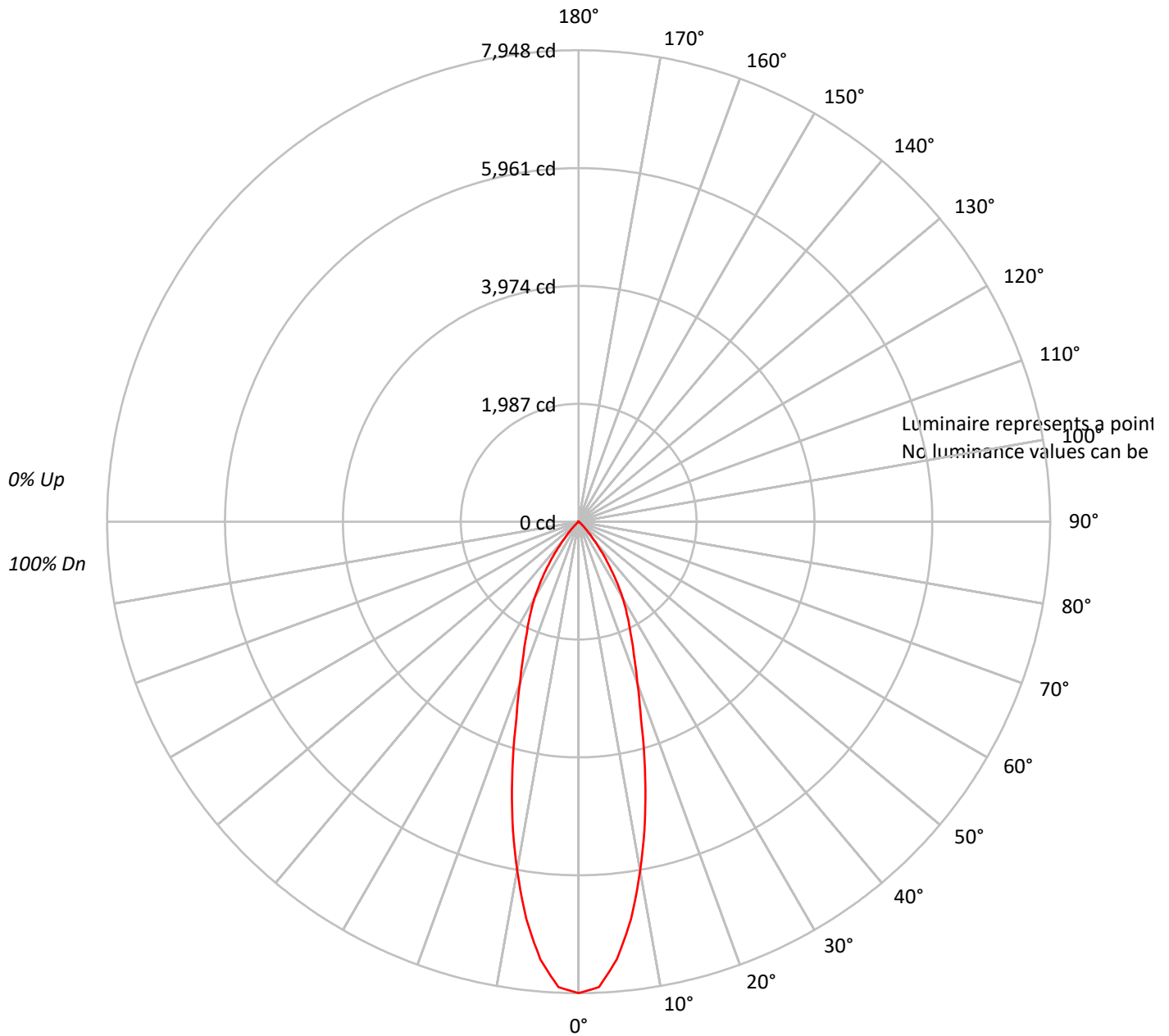
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
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	112	109	107	112	109	107	106		105	104	102			102	101	99			95
2	109	105	101	98	107	103	100	97		100	97	95			97	95	93			89
3	105	99	94	91	103	97	93	90		95	91	89			93	90	87			85
4	100	93	88	85	98	92	88	84		90	86	83			88	85	82			80
5	96	88	83	79	94	87	83	79		86	82	78			84	81	78			76
6	92	84	79	75	90	83	78	75		82	77	74			80	76	74			72
7	88	80	74	71	87	79	74	71		78	73	70			77	73	70			68
8	84	76	71	67	83	75	70	67		74	70	67			73	69	66			65
9	81	73	67	64	80	72	67	64		71	67	63			70	66	63			62
10	78	69	64	61	77	69	64	61		68	64	61			67	63	60			59

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	660.8	18.9
10°-20°	1186.1	34.0
20°-30°	959.0	27.5
30°-40°	552.4	15.8
40°-50°	116.8	3.3
50°-60°	10.1	0.3
60°-70°	5.0	0.1
70°-80°	0.6	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°	2805.9	80.4
0°-40°	3358.3	96.2
0°-60°	3485.2	99.8
0°-90°	3490.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3490.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7948	
5°	7404	661
15°	4309	1186
25°	2069	959
35°	876	552
45°	126	117
55°	10	10
65°	5	5
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7947.9
2.5°	7852.3
5°	7404.3
7.5°	6760.0
10°	5969.7
12.5°	5159.3
15°	4308.7
17.5°	3488.2
20°	2889.2
22.5°	2431.2
25°	2068.8
27.5°	1761.7
30°	1484.9
32.5°	1177.8
35°	875.8
37.5°	609.1
40°	397.6
42.5°	241.6
45°	125.8
47.5°	50.3
50°	15.1
52.5°	15.1
55°	10.1
57.5°	10.1
60°	5.0
62.5°	5.0
65°	5.0
67.5°	5.0
70°	5.0
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)