

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: P205228

Luminaire Tested: **LD6B50D010TE EU6B30508027 6LBWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205228
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 EU6B30508027 6LBWL11
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE 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: 5166.8 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

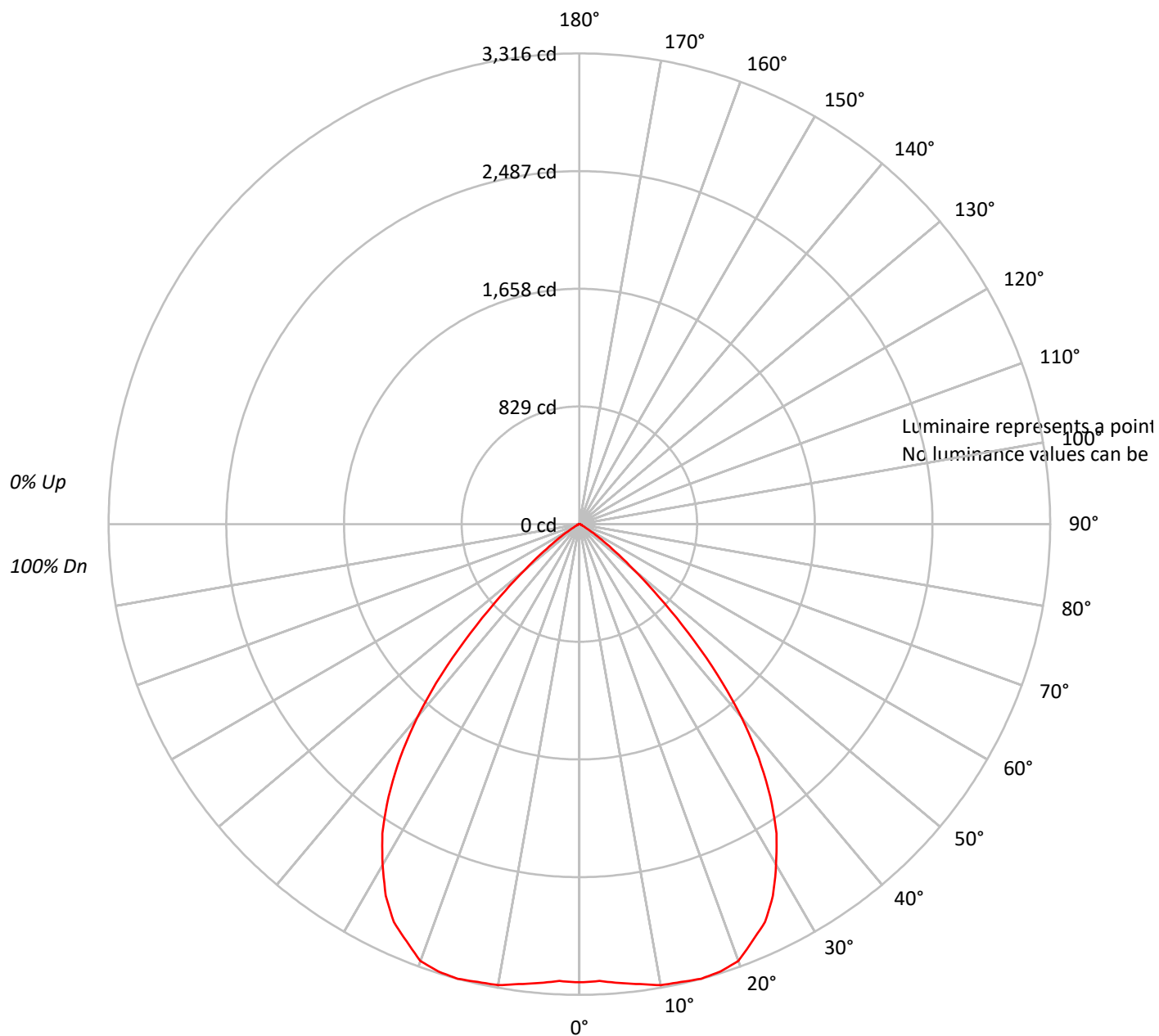
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				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	113	110	107	104	110	107	105	103	103	101	99		100	98	97		96
2	106	101	96	92	104	99	95	91	95	92	89		92	90	87		90
3	100	92	87	82	97	91	86	81	88	84	80		86	82	79		83
4	93	85	78	73	92	84	78	73	81	76	72		79	75	71		77
5	88	78	71	66	86	77	71	66	75	70	65		73	69	65		72
6	82	72	65	60	81	71	65	60	70	64	59		68	63	59		67
7	77	67	60	55	76	66	59	55	65	59	54		63	58	54		62
8	73	62	55	50	71	61	55	50	60	54	50		59	54	50		58
9	69	57	51	46	67	57	50	46	56	50	46		55	50	46		54
10	65	54	47	43	64	53	47	42	52	46	42		51	46	42		51

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.4	6.0
10°-20°	935.9	18.1
20°-30°	1410.8	27.3
30°-40°	1444.1	27.9
40°-50°	841.3	16.3
50°-60°	193.3	3.7
60°-70°	23.8	0.5
70°-80°	6.2	0.1
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°	2658.2	51.4
0°-40°	4102.2	79.4
0°-60°	5136.8	99.4
0°-90°	5166.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5166.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3228	
5°	3245	311
15°	3316	936
25°	3093	1411
35°	2343	1444
45°	1084	841
55°	188	193
65°	18	24
75°	6	6
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3227.7
2.5°	3221.9
5°	3245.3
7.5°	3268.7
10°	3298.0
12.5°	3303.9
15°	3315.6
17.5°	3303.9
20°	3274.6
22.5°	3180.9
25°	3093.0
27.5°	2952.4
30°	2770.8
32.5°	2583.4
35°	2343.2
37.5°	2073.7
40°	1775.0
42.5°	1441.1
45°	1083.7
47.5°	755.7
50°	497.9
52.5°	316.3
55°	187.5
57.5°	99.6
60°	52.7
62.5°	29.3
65°	17.6
67.5°	17.6
70°	11.7
72.5°	5.9
75°	5.9
77.5°	5.9
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)