

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: P202553

Luminaire Tested: **LD6B50D010TE EU6B30508027 6LBSWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202553
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 6LBSWMH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH WARM HAZE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5373.4 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1.1
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

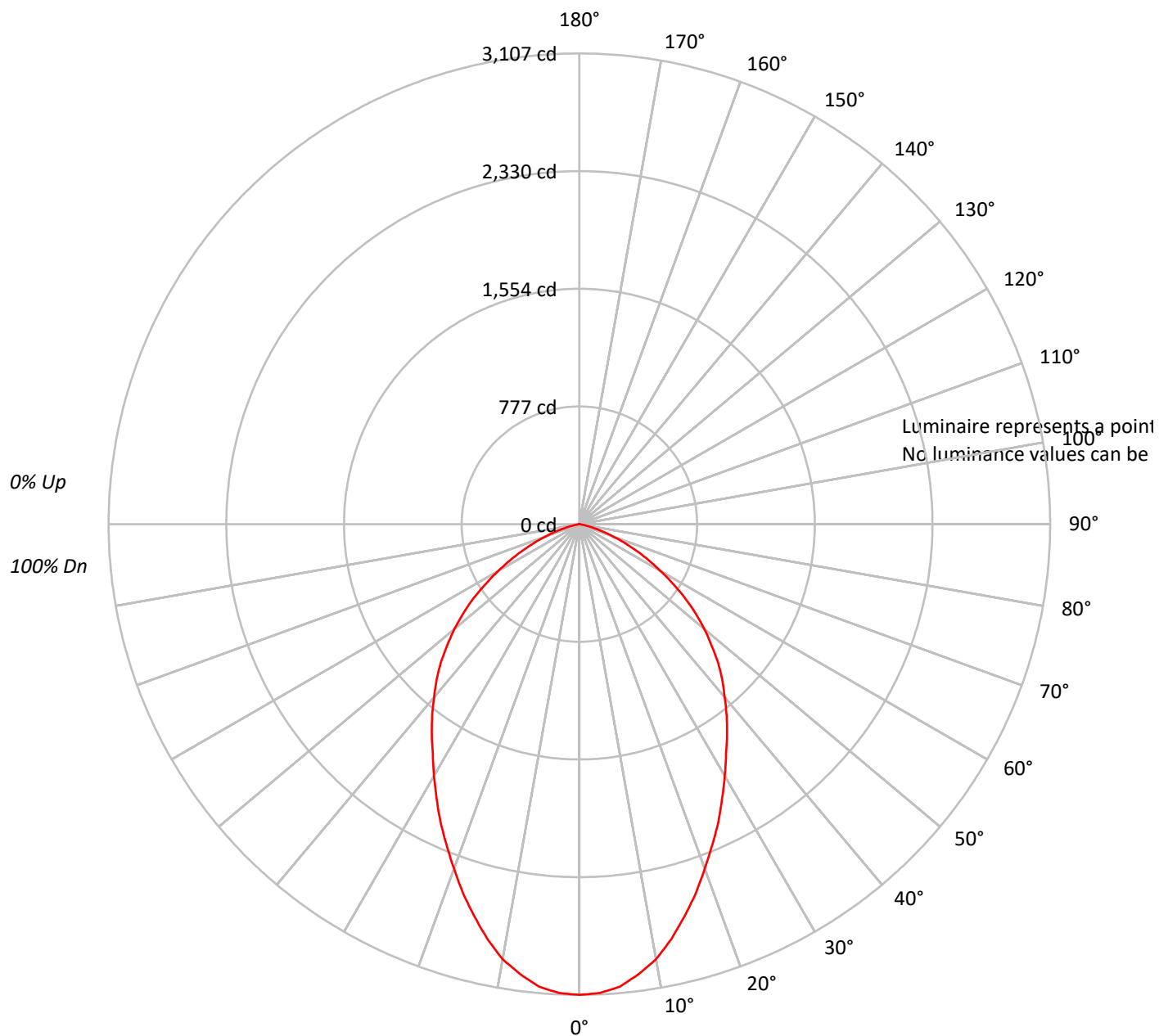
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	107	104	101		108	105	102	99		101	98	96		97	95	93		94	92	90
2	103	96	90	85		100	94	89	84		91	86	82		87	84	81		84	81	79
3	95	86	79	73		92	84	78	73		81	76	71		79	74	70		76	72	69
4	88	77	70	64		86	76	69	63		74	67	62		71	66	62		69	65	61
5	81	70	62	56		79	69	61	56		67	60	55		65	59	55		63	58	54
6	76	64	56	50		74	63	55	50		61	54	49		59	53	49		58	53	48
7	70	58	50	45		69	57	50	45		56	49	44		55	48	44		53	48	44
8	66	54	46	40		64	53	45	40		52	45	40		50	44	40		49	44	40
9	62	49	42	37		61	49	42	37		48	41	37		47	41	36		46	40	36
10	58	46	39	34		57	45	38	34		45	38	34		44	38	33		43	37	33

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.5	5.4
10°-20°	751.5	14.0
20°-30°	996.5	18.5
30°-40°	1062.9	19.8
40°-50°	993.6	18.5
50°-60°	757.5	14.1
60°-70°	412.1	7.7
70°-80°	110.6	2.1
80°-90°	1.3	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°	2035.4	37.9
0°-40°	3098.3	57.7
0°-60°	4849.4	90.2
0°-90°	5373.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5373.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3107	
5°	3064	287
15°	2679	751
25°	2169	996
35°	1698	1063
45°	1294	994
55°	852	758
65°	411	412
75°	96	111
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3107.2
2.5°	3097.3
5°	3064.4
7.5°	2995.3
10°	2916.3
12.5°	2804.4
15°	2679.3
17.5°	2554.2
20°	2419.3
22.5°	2290.9
25°	2169.1
27.5°	2040.7
30°	1919.0
32.5°	1800.5
35°	1698.4
37.5°	1596.4
40°	1491.1
42.5°	1395.6
45°	1293.6
47.5°	1181.7
50°	1076.3
52.5°	964.4
55°	852.5
57.5°	730.7
60°	618.8
62.5°	513.5
65°	411.4
67.5°	319.3
70°	233.7
72.5°	161.3
75°	95.5
77.5°	42.8
80°	9.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)