

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: P205438

Luminaire Tested: **LD6B50D010TE EU6B30509027 6LBSLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205438
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 6LBSLI1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW 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: 4733.3 lumens
Efficiency: N/A
Efficacy: 80.5 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

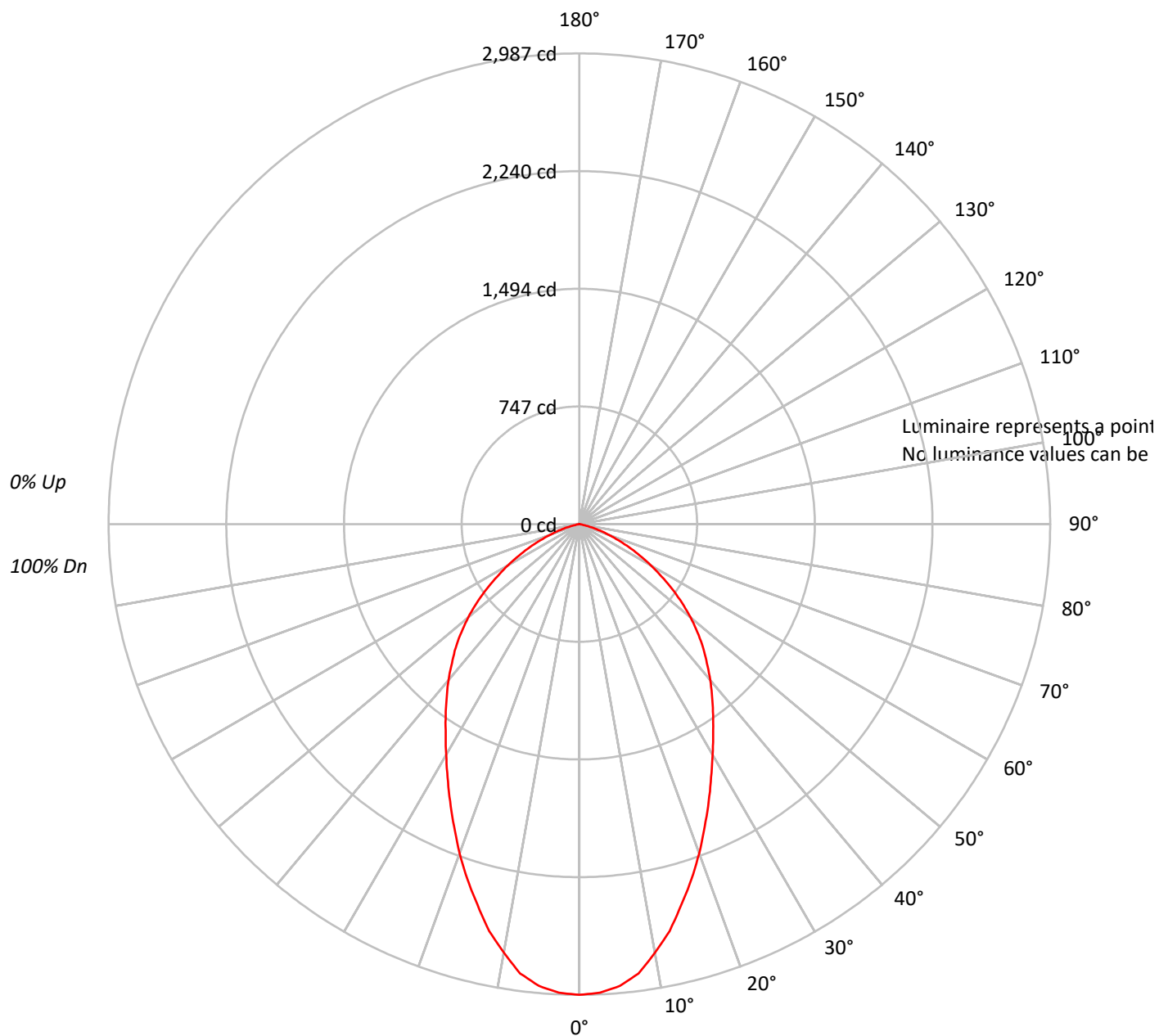
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





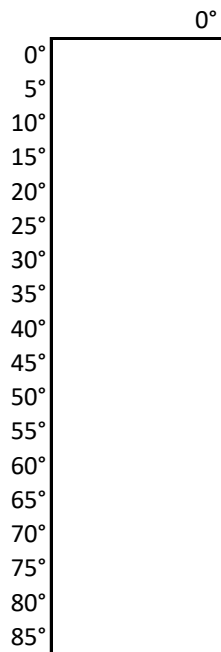
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	111	107	104	101		109	105	102	99		101	99	96			97	95	93			89
2	103	96	91	86		100	94	89	85		91	87	83			88	84	81			77
3	95	86	79	74		93	85	78	73		82	76	72			79	75	71			68
4	88	78	70	64		86	77	69	64		74	68	63			72	67	62			60
5	82	71	63	57		80	70	62	57		67	61	56			66	60	55			53
6	76	64	56	51		74	63	56	51		62	55	50			60	54	50			47
7	71	59	51	46		70	58	51	45		57	50	45			55	49	45			43
8	67	54	47	41		65	54	46	41		52	46	41			51	45	41			39
9	63	50	43	38		61	50	43	38		49	42	38			48	42	37			36
10	59	47	40	35		58	46	39	35		45	39	35			45	39	34			33

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.2	5.8
10°-20°	700.7	14.8
20°-30°	893.5	18.9
30°-40°	926.6	19.6
40°-50°	853.8	18.0
50°-60°	642.3	13.6
60°-70°	346.7	7.3
70°-80°	93.0	2.0
80°-90°	1.4	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°	1869.5	39.5
0°-40°	2796.1	59.1
0°-60°	4292.2	90.7
0°-90°	4733.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4733.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2987	
5°	2942	275
15°	2499	701
25°	1941	894
35°	1478	927
45°	1111	854
55°	719	642
65°	347	347
75°	80	93
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2986.9
2.5°	2976.8
5°	2941.6
7.5°	2876.3
10°	2760.6
12.5°	2645.0
15°	2499.1
17.5°	2363.4
20°	2222.6
22.5°	2076.8
25°	1941.0
27.5°	1810.2
30°	1689.6
32.5°	1578.9
35°	1478.4
37.5°	1382.8
40°	1292.3
42.5°	1196.8
45°	1111.3
47.5°	1015.7
50°	920.2
52.5°	819.6
55°	719.1
57.5°	618.5
60°	523.0
62.5°	432.4
65°	347.0
67.5°	266.5
70°	196.1
72.5°	135.8
75°	80.5
77.5°	35.2
80°	10.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)