

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: P205445

Luminaire Tested: **LD6B60D010TE EU6B60708027 6LBSLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205445
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: LD6B60D010TE EU6B60708027 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: 6158.9 lumens
Efficiency: N/A
Efficacy: 98.6 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

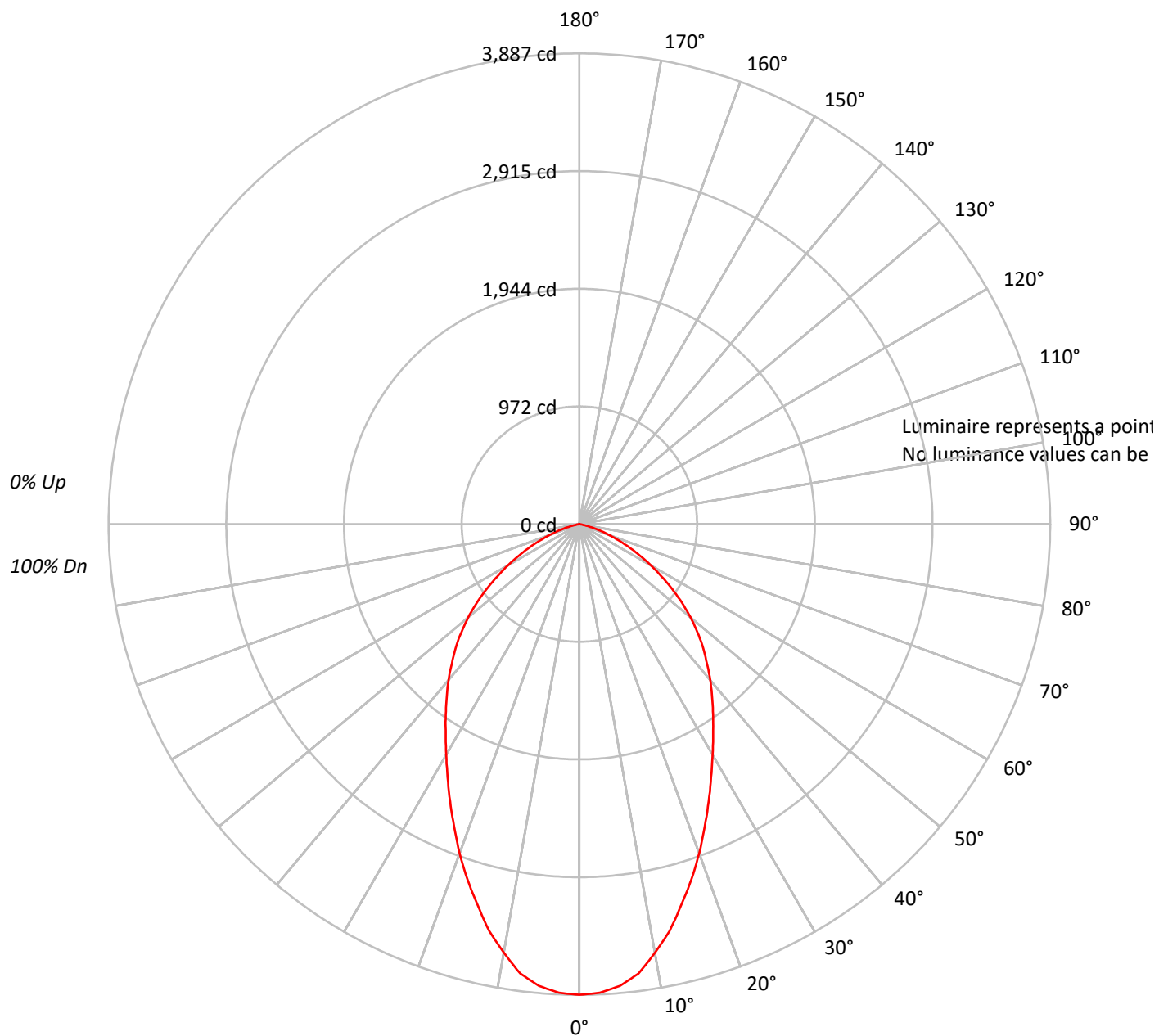
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	358.1	5.8
10°-20°	911.7	14.8
20°-30°	1162.7	18.9
30°-40°	1205.7	19.6
40°-50°	1111.0	18.0
50°-60°	835.7	13.6
60°-70°	451.1	7.3
70°-80°	121.0	2.0
80°-90°	1.8	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°	2432.5	39.5
0°-40°	3638.3	59.1
0°-60°	5585.0	90.7
0°-90°	6158.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6158.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3887	
5°	3828	358
15°	3252	912
25°	2526	1163
35°	1924	1206
45°	1446	1111
55°	936	836
65°	452	451
75°	105	121
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3886.6
2.5°	3873.5
5°	3827.7
7.5°	3742.6
10°	3592.1
12.5°	3441.6
15°	3251.9
17.5°	3075.2
20°	2892.0
22.5°	2702.3
25°	2525.6
27.5°	2355.5
30°	2198.5
32.5°	2054.5
35°	1923.6
37.5°	1799.3
40°	1681.6
42.5°	1557.2
45°	1446.0
47.5°	1321.7
50°	1197.4
52.5°	1066.5
55°	935.7
57.5°	804.8
60°	680.5
62.5°	562.7
65°	451.5
67.5°	346.8
70°	255.2
72.5°	176.7
75°	104.7
77.5°	45.8
80°	13.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)