

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: P205142

Luminaire Tested: **LD6B60D010TE EU6B60708035 6LBMLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205142
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 EU6B60708035 6LBMLI1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM 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: 5480.6 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

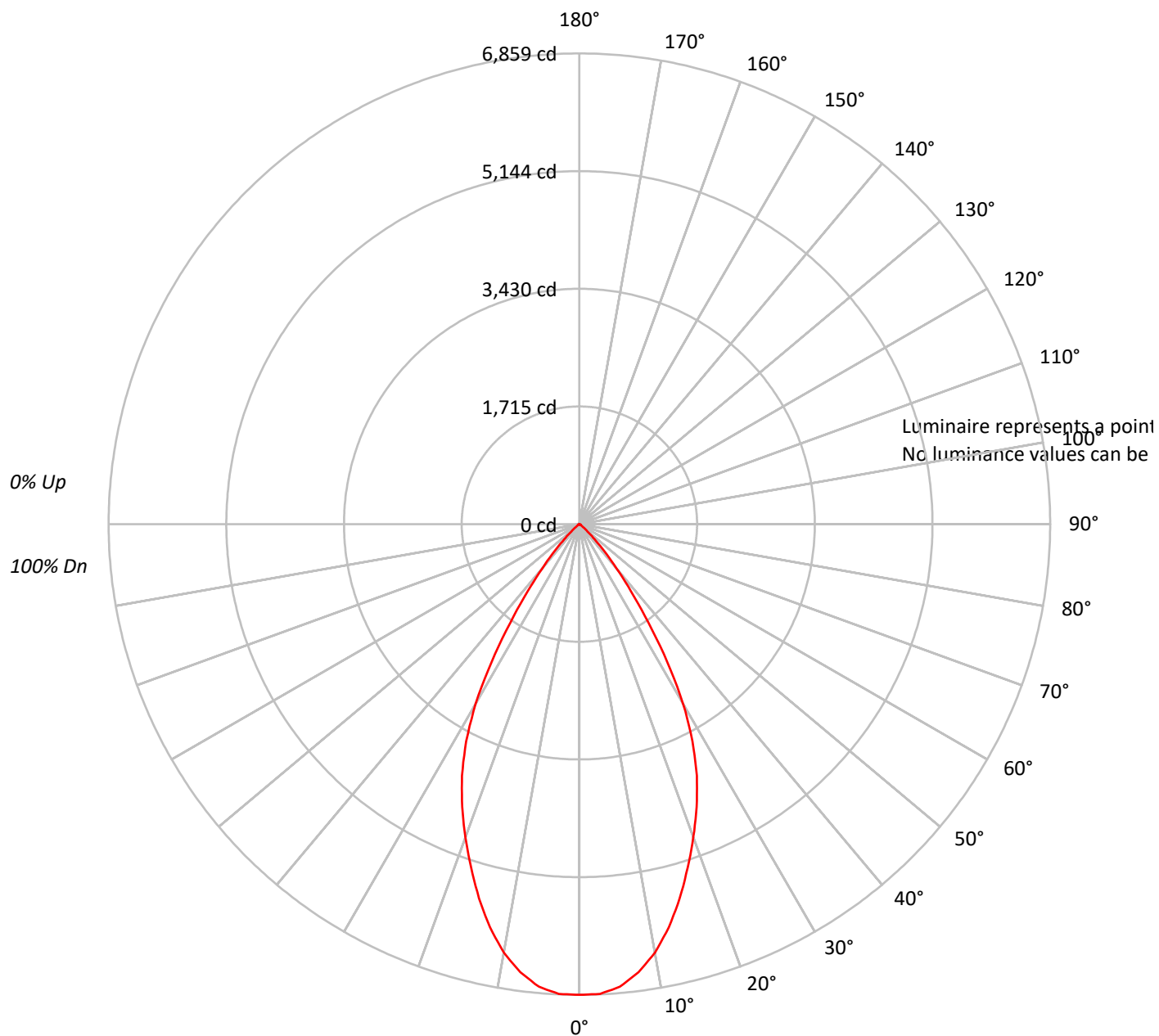
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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	114	111	109	106		111	109	107	105		105	103	101		101	100	98		98	97	96
2	108	103	100	96		106	102	98	95		99	96	93		96	93	91		93	91	89
3	103	97	92	88		101	95	91	87		93	89	86		90	87	85		88	85	83
4	98	91	85	81		96	89	84	81		87	83	80		85	82	79		83	80	78
5	93	85	79	75		91	84	79	75		82	78	74		81	77	73		79	76	73
6	89	80	74	70		87	79	74	70		78	73	69		76	72	69		75	71	68
7	84	75	69	65		83	75	69	65		73	68	65		72	68	64		71	67	64
8	80	71	65	61		79	70	65	61		69	64	61		68	64	60		67	63	60
9	77	67	61	57		75	67	61	57		66	61	57		65	60	57		64	60	57
10	73	64	58	54		72	63	58	54		62	57	54		62	57	54		61	57	54

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	631.8	11.5
10°-20°	1573.1	28.7
20°-30°	1828.6	33.4
30°-40°	1119.8	20.4
40°-50°	278.1	5.1
50°-60°	32.5	0.6
60°-70°	12.1	0.2
70°-80°	4.6	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°	4033.5	73.6
0°-40°	5153.3	94.0
0°-60°	5463.9	99.7
0°-90°	5480.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5480.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6859	
5°	6768	632
15°	5646	1573
25°	4046	1829
35°	1753	1120
45°	309	278
55°	28	33
65°	14	12
75°	7	5
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6858.8
2.5°	6851.8
5°	6767.6
7.5°	6585.3
10°	6339.8
12.5°	6017.2
15°	5645.5
17.5°	5245.8
20°	4853.1
22.5°	4460.3
25°	4046.5
27.5°	3569.7
30°	3022.6
32.5°	2384.4
35°	1753.3
37.5°	1234.3
40°	841.6
42.5°	526.0
45°	308.6
47.5°	175.3
50°	91.2
52.5°	42.1
55°	28.1
57.5°	21.0
60°	21.0
62.5°	14.0
65°	14.0
67.5°	7.0
70°	7.0
72.5°	7.0
75°	7.0
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)