

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: P205555

Luminaire Tested: **LD6B60D010TE EU6B60709030 6LBMGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205555
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 EU6B60709030 6LBMGPH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH GRAPHITE HAZE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2845.6 lumens
Efficiency: N/A
Efficacy: 45.5 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.91
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

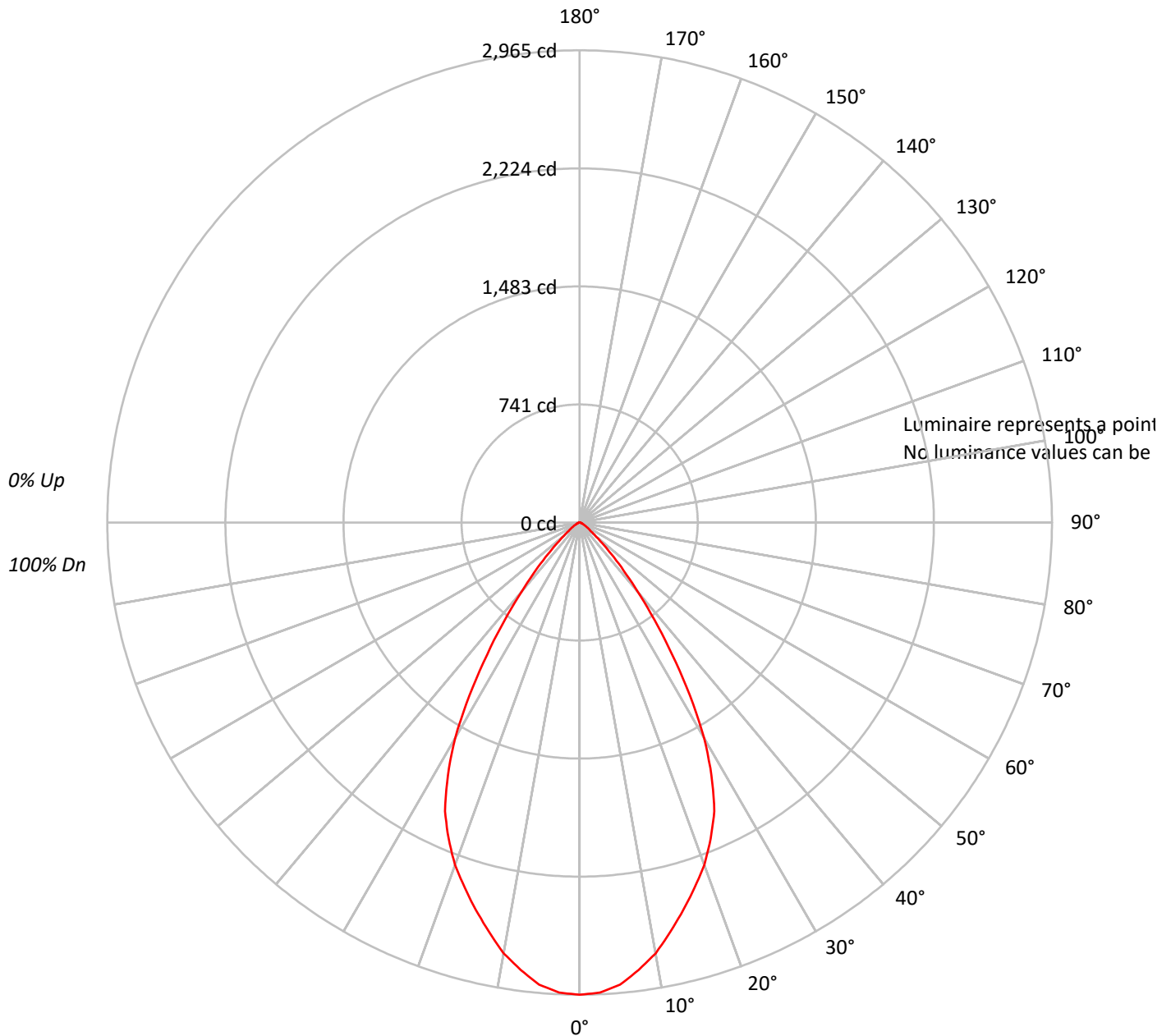
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	108	105		111	108	106	104		104	102	101		100	99	98		97	96	95
2	107	102	98	94		105	100	97	93		97	94	91		94	92	89		91	89	87
3	102	95	90	85		100	93	89	85		91	87	83		88	85	82		86	83	81
4	96	88	82	78		94	87	82	77		85	80	77		83	79	76		81	78	75
5	91	82	76	72		89	81	76	71		79	74	71		78	73	70		76	72	69
6	86	77	71	66		85	76	70	66		74	69	65		73	68	65		72	68	64
7	82	72	66	61		80	71	65	61		70	65	61		69	64	60		68	63	60
8	77	68	61	57		76	67	61	57		66	60	57		65	60	56		64	59	56
9	74	64	57	53		72	63	57	53		62	57	53		61	56	53		60	56	53
10	70	60	54	50		69	59	54	50		59	53	50		58	53	49		57	53	49

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.4	9.6
10°-20°	706.9	24.8
20°-30°	900.6	31.7
30°-40°	636.5	22.4
40°-50°	232.4	8.2
50°-60°	64.4	2.3
60°-70°	23.3	0.8
70°-80°	8.3	0.3
80°-90°	0.8	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°	1879.9	66.1
0°-40°	2516.4	88.4
0°-60°	2813.2	98.9
0°-90°	2845.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2845.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2965	
5°	2914	272
15°	2517	707
25°	2000	901
35°	1011	637
45°	282	232
55°	69	64
65°	23	23
75°	6	8
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2965.3
2.5°	2953.9
5°	2913.6
7.5°	2833.2
10°	2747.0
12.5°	2632.0
15°	2517.1
17.5°	2402.2
20°	2287.2
22.5°	2149.3
25°	1999.9
27.5°	1793.0
30°	1563.1
32.5°	1287.3
35°	1011.4
37.5°	770.1
40°	563.2
42.5°	408.0
45°	281.6
47.5°	189.6
50°	126.4
52.5°	86.2
55°	69.0
57.5°	51.7
60°	40.2
62.5°	28.7
65°	23.0
67.5°	17.2
70°	11.5
72.5°	11.5
75°	5.7
77.5°	5.7
80°	5.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)