

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: P203299

Luminaire Tested: **LD6B60D010TE EU6B60709730 6LBMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203299
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 EU6B60709730 6LBMH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3258.7 lumens
Efficiency: N/A
Efficacy: 52.2 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

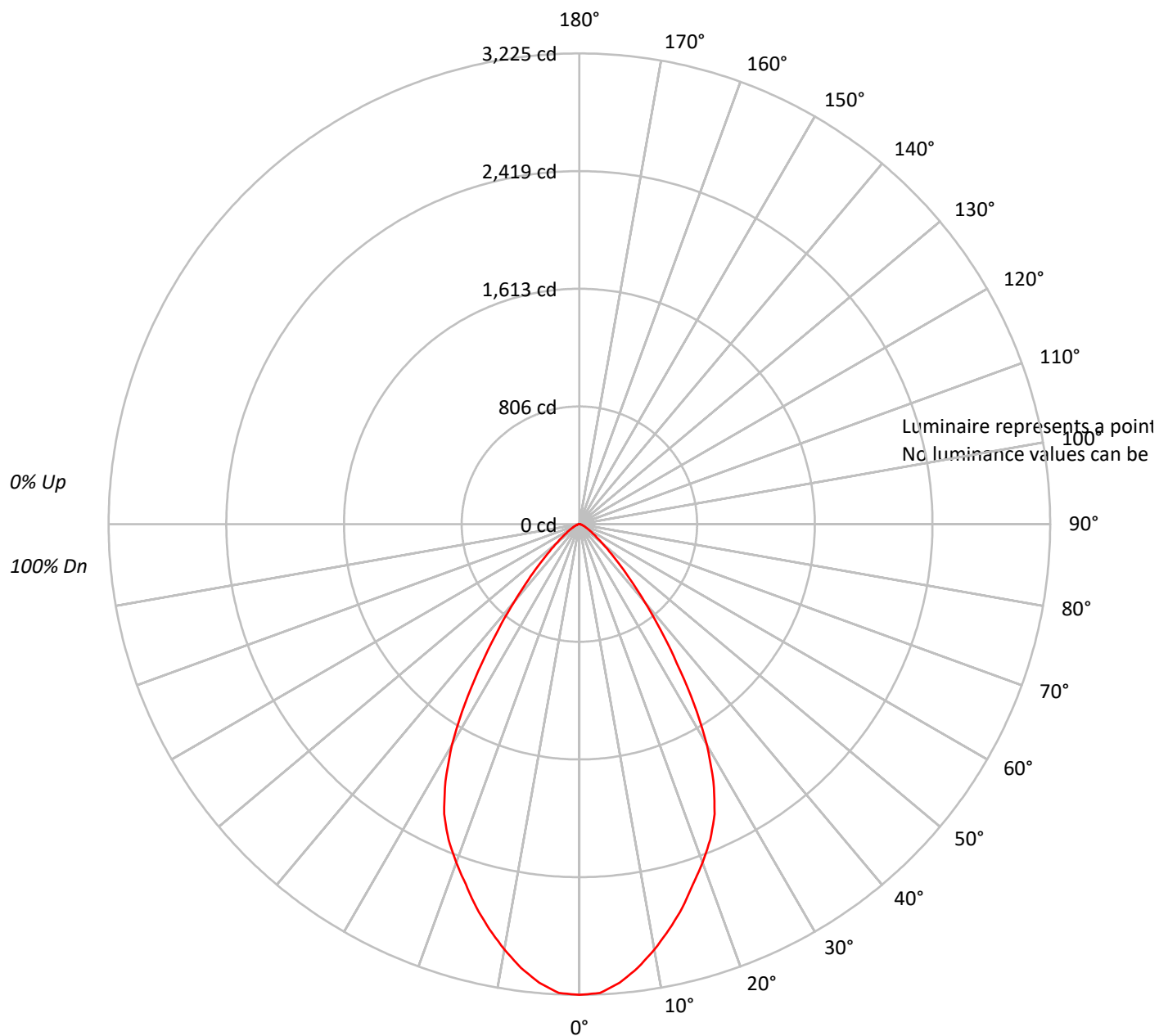
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			102
1	113	110	107	105		111	108	105	103		104	102	100			100	99	97			97
2	107	102	97	93		105	100	96	92		97	93	90			94	91	88			91
3	101	94	88	84		99	92	87	83		90	86	82			87	84	81			85
4	95	87	81	76		93	86	80	76		84	79	75			82	78	74			80
5	90	81	75	70		88	80	74	70		78	73	69			76	72	68			75
6	85	75	69	64		83	75	69	64		73	68	64			72	67	63			70
7	80	70	64	59		79	70	64	59		68	63	59			67	62	59			66
8	76	66	60	55		75	65	59	55		64	59	55			63	58	55			62
9	72	62	56	51		71	61	55	51		60	55	51			60	55	51			59
10	69	58	52	48		68	58	52	48		57	52	48			56	51	48			55

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.9	9.0
10°-20°	762.8	23.4
20°-30°	988.4	30.3
30°-40°	733.8	22.5
40°-50°	309.8	9.5
50°-60°	110.0	3.4
60°-70°	42.5	1.3
70°-80°	14.7	0.5
80°-90°	1.9	0.1
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°	2046.0	62.8
0°-40°	2779.8	85.3
0°-60°	3199.6	98.2
0°-90°	3258.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3258.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3225	
5°	3155	295
15°	2722	763
25°	2192	988
35°	1163	734
45°	382	310
55°	116	110
65°	42	42
75°	14	15
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3224.8
2.5°	3215.5
5°	3155.0
7.5°	3066.6
10°	2959.6
12.5°	2843.3
15°	2722.3
17.5°	2587.3
20°	2466.3
22.5°	2340.7
25°	2191.8
27.5°	1987.0
30°	1745.0
32.5°	1461.2
35°	1163.4
37.5°	912.1
40°	693.4
42.5°	516.5
45°	381.6
47.5°	279.2
50°	204.8
52.5°	153.6
55°	116.3
57.5°	88.4
60°	69.8
62.5°	51.2
65°	41.9
67.5°	32.6
70°	23.3
72.5°	18.6
75°	14.0
77.5°	9.3
80°	4.7
82.5°	4.7
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)