

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: P203353

Luminaire Tested: **LD6B30D010 EU6B30508035 6LBMWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203353
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: LD6B30D010 EU6B30508035 6LBMWH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH WHEAT TRIM
WATTAGE D010TR-27.4 W DE010-27.95 W D5LT-27.65 W DMX-27.73 W DL2-29.56 W
DL3-29.67 W DLE-29.73 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2390.4 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

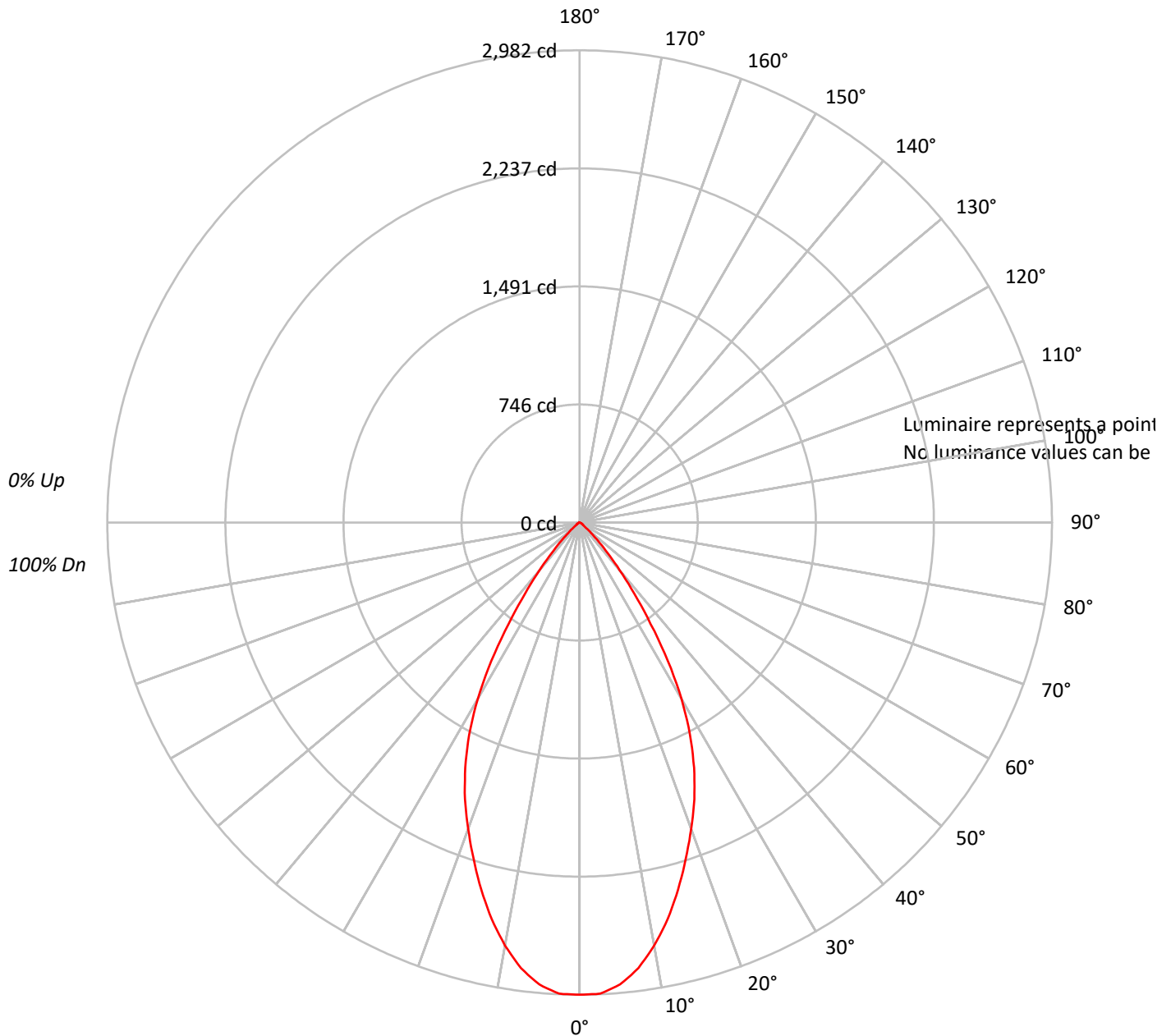
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	108	106	111	109	106	104		105	103	101			101	100	98			97
2	108	103	99	96	106	101	98	95		98	95	93			95	93	91			93
3	103	96	91	87	101	95	90	87		92	88	85			90	87	84			88
4	97	90	85	80	96	89	84	80		87	82	79			85	81	78			83
5	93	84	79	74	91	83	78	74		82	77	73			80	76	73			78
6	88	79	73	69	87	78	73	69		77	72	68			76	71	68			74
7	84	75	69	64	82	74	68	64		73	68	64			71	67	64			70
8	80	70	64	60	78	70	64	60		69	64	60			68	63	60			67
9	76	66	61	57	75	66	60	57		65	60	56			64	59	56			63
10	72	63	57	53	71	62	57	53		62	57	53			61	56	53			60

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.6	11.4
10°-20°	669.3	28.0
20°-30°	774.4	32.4
30°-40°	495.0	20.7
40°-50°	140.3	5.9
50°-60°	25.0	1.0
60°-70°	10.2	0.4
70°-80°	3.5	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°	1716.3	71.8
0°-40°	2211.3	92.5
0°-60°	2376.7	99.4
0°-90°	2390.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2390.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2982	
5°	2929	273
15°	2400	669
25°	1709	774
35°	781	495
45°	163	140
55°	23	25
65°	10	10
75°	3	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2982.1
2.5°	2978.8
5°	2928.9
7.5°	2839.2
10°	2712.8
12.5°	2566.5
15°	2400.3
17.5°	2227.4
20°	2057.9
22.5°	1891.7
25°	1708.8
27.5°	1509.3
30°	1286.6
32.5°	1037.3
35°	781.3
37.5°	565.2
40°	392.3
42.5°	259.3
45°	162.9
47.5°	96.4
50°	56.5
52.5°	33.2
55°	23.3
57.5°	19.9
60°	16.6
62.5°	13.3
65°	10.0
67.5°	6.6
70°	6.6
72.5°	3.3
75°	3.3
77.5°	3.3
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)