

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: P203048

Luminaire Tested: **LD6B30D010 EU6B30509027 6LBWB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203048
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 EU6B30509027 6LBWB1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH SPECULAR BLACK 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: 1365.4 lumens
Efficiency: N/A
Efficacy: 48.8 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.08
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

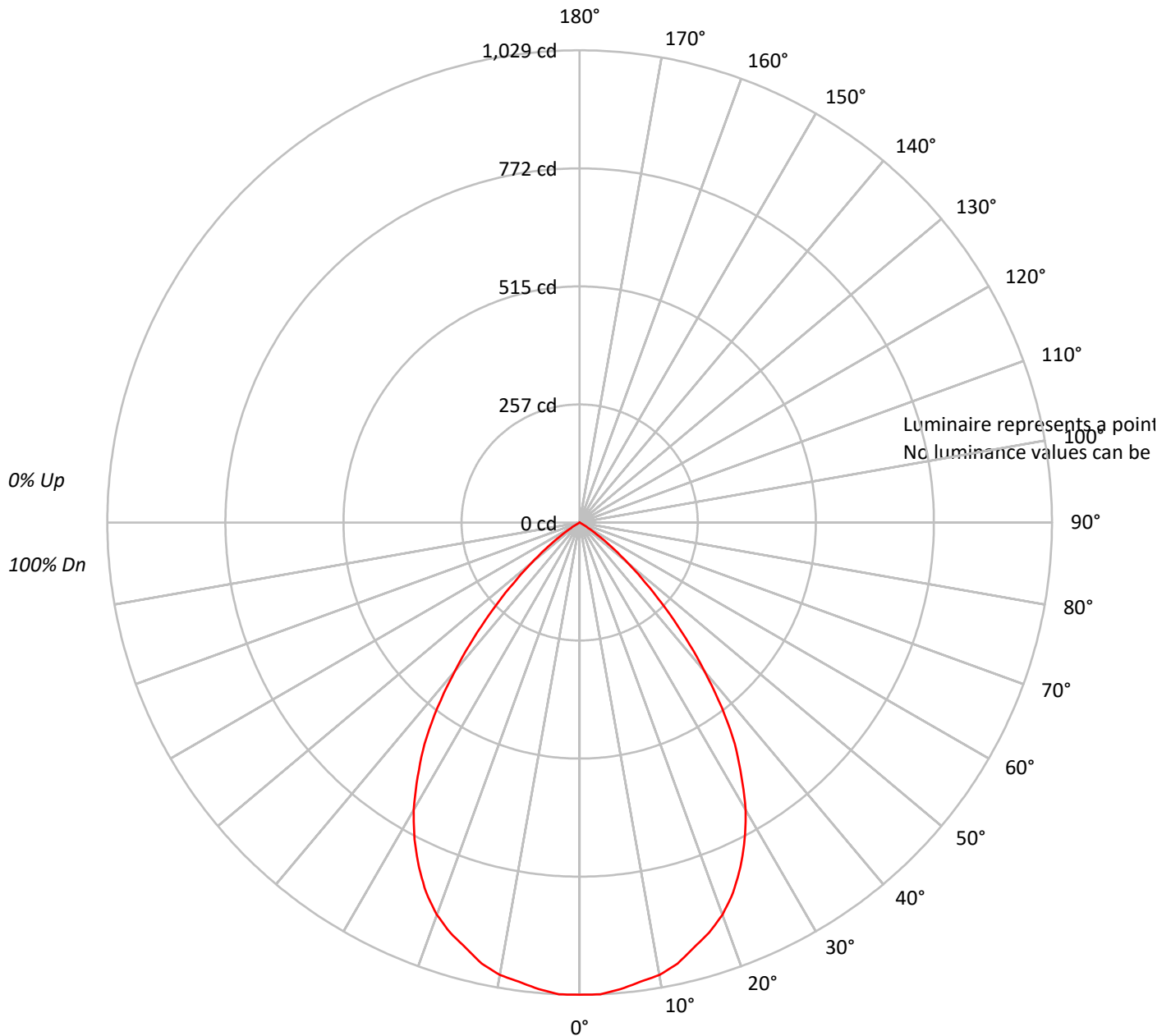
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	108	105	103		104	102	100			100	98	97			96
2	106	101	97	93	104	99	95	92		96	93	90			93	90	88			90
3	100	93	87	83	98	92	86	82		89	85	81			86	83	80			84
4	94	86	79	75	92	85	79	74		82	77	73			80	76	73			78
5	89	79	73	68	87	78	72	67		76	71	67			75	70	66			73
6	83	73	67	62	82	72	66	61		71	65	61			69	64	61			68
7	78	68	61	56	77	67	61	56		66	60	56			65	60	56			63
8	74	63	57	52	73	63	56	52		61	56	52			60	55	51			59
9	70	59	52	48	69	58	52	48		57	52	48			57	51	47			56
10	66	55	49	44	65	55	49	44		54	48	44			53	48	44			52

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.8	7.1
10°-20°	270.6	19.8
20°-30°	379.0	27.8
30°-40°	361.9	26.5
40°-50°	206.1	15.1
50°-60°	50.3	3.7
60°-70°	0.7	0.0
70°-80°	0.0	0.0
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°	746.3	54.7
0°-40°	1108.3	81.2
0°-60°	1364.7	100.0
0°-90°	1365.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1365.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1029	
5°	1021	97
15°	960	271
25°	829	379
35°	590	362
45°	264	206
55°	50	50
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1029.1
2.5°	1029.1
5°	1020.7
7.5°	1009.6
10°	1001.2
12.5°	984.6
15°	959.5
17.5°	937.3
20°	909.5
22.5°	873.3
25°	828.8
27.5°	778.7
30°	723.1
32.5°	656.4
35°	589.6
37.5°	509.0
40°	422.7
42.5°	342.1
45°	264.2
47.5°	194.7
50°	136.3
52.5°	86.2
55°	50.1
57.5°	22.2
60°	5.6
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
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)