

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: P203150

Luminaire Tested: **LD6B30D010 EU6B30509024 6LBWMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203150
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 EU6B30509024 6LBWMW1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH MATTE WHITE 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: 2018.3 lumens
Efficiency: N/A
Efficacy: 72.1 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

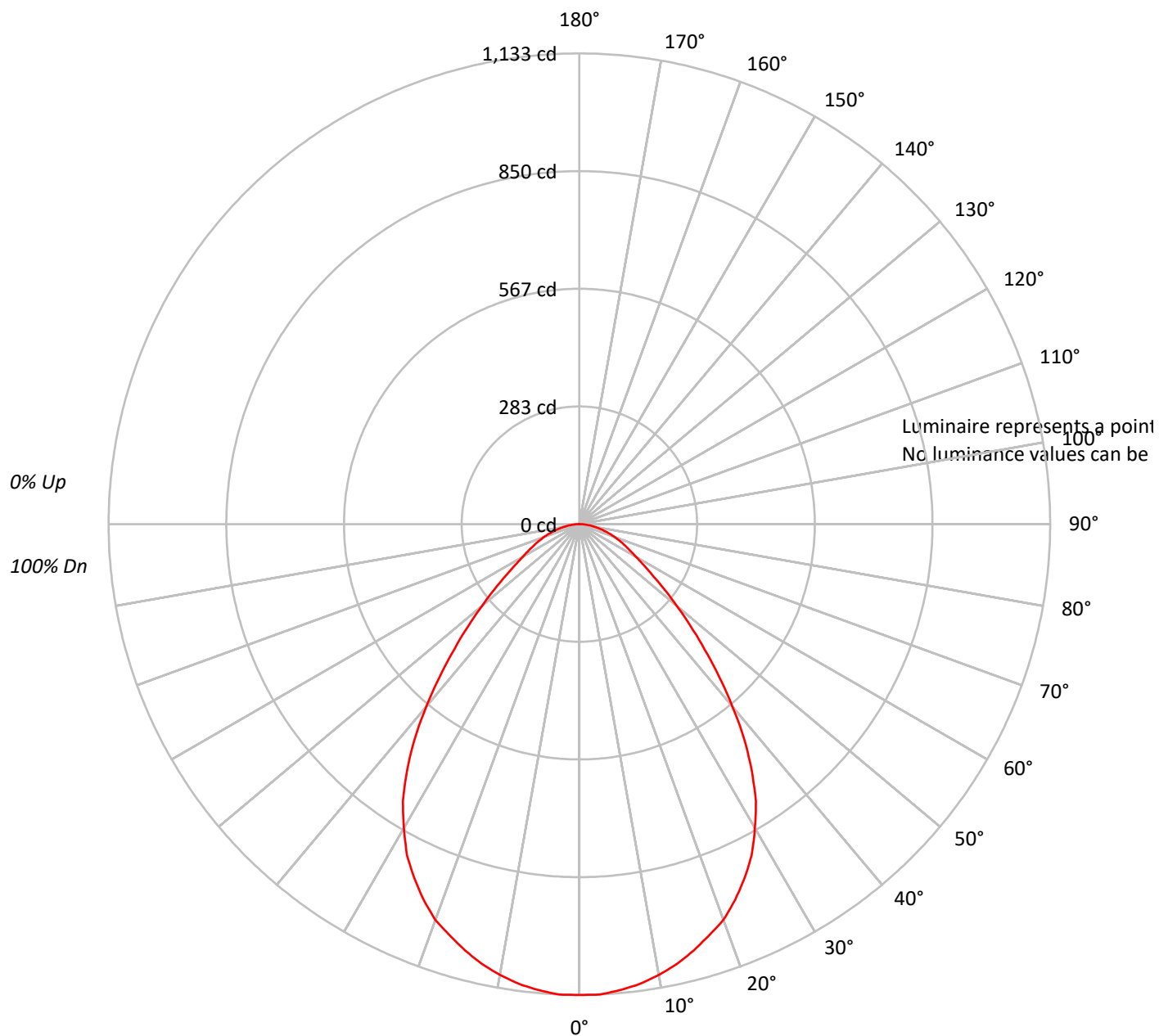
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	107	104	100	108	105	102	99		101	98	96		97	95	93		93	92	90
2	103	96	90	86	100	94	89	85		91	86	83		88	84	81		85	82	79
3	95	86	80	74	93	85	79	74		82	77	72		80	75	71		77	73	70
4	89	78	71	65	86	77	70	65		75	69	64		72	67	63		70	66	62
5	82	71	64	58	80	70	63	58		68	62	57		66	61	56		65	60	56
6	77	65	57	52	75	64	57	52		63	56	51		61	55	51		60	54	50
7	72	60	52	47	70	59	52	47		58	51	46		56	50	46		55	50	46
8	67	55	48	42	66	55	47	42		53	47	42		52	46	42		51	46	42
9	63	51	44	39	62	51	44	39		50	43	39		49	43	38		48	42	38
10	60	48	40	36	58	47	40	36		46	40	36		45	40	35		45	39	35

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.7	5.3
10°-20°	299.3	14.8
20°-30°	431.3	21.4
30°-40°	447.8	22.2
40°-50°	331.1	16.4
50°-60°	197.7	9.8
60°-70°	120.2	6.0
70°-80°	65.8	3.3
80°-90°	18.3	0.9
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°	837.4	41.5
0°-40°	1285.2	63.7
0°-60°	1814.0	89.9
0°-90°	2018.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2018.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1133	
5°	1126	107
15°	1062	299
25°	940	431
35°	722	448
45°	426	331
55°	215	198
65°	120	120
75°	61	66
85°	15	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1133.4
2.5°	1133.4
5°	1126.1
7.5°	1116.3
10°	1101.6
12.5°	1084.5
15°	1062.4
17.5°	1037.9
20°	1013.5
22.5°	979.2
25°	940.0
27.5°	898.4
30°	844.6
32.5°	790.7
35°	722.2
37.5°	651.2
40°	572.8
42.5°	496.9
45°	425.9
47.5°	362.3
50°	306.0
52.5°	257.0
55°	215.4
57.5°	183.6
60°	156.7
62.5°	137.1
65°	120.0
67.5°	105.3
70°	90.6
72.5°	75.9
75°	61.2
77.5°	49.0
80°	36.7
82.5°	26.9
85°	14.7
87.5°	7.3
90°	0.0



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— 0°-180°







(END OF REPORT)