

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: P203151

Luminaire Tested: **LD6B30D010 EU6B30509027 6LBWMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203151
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 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: 2294.2 lumens
Efficiency: N/A
Efficacy: 81.9 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

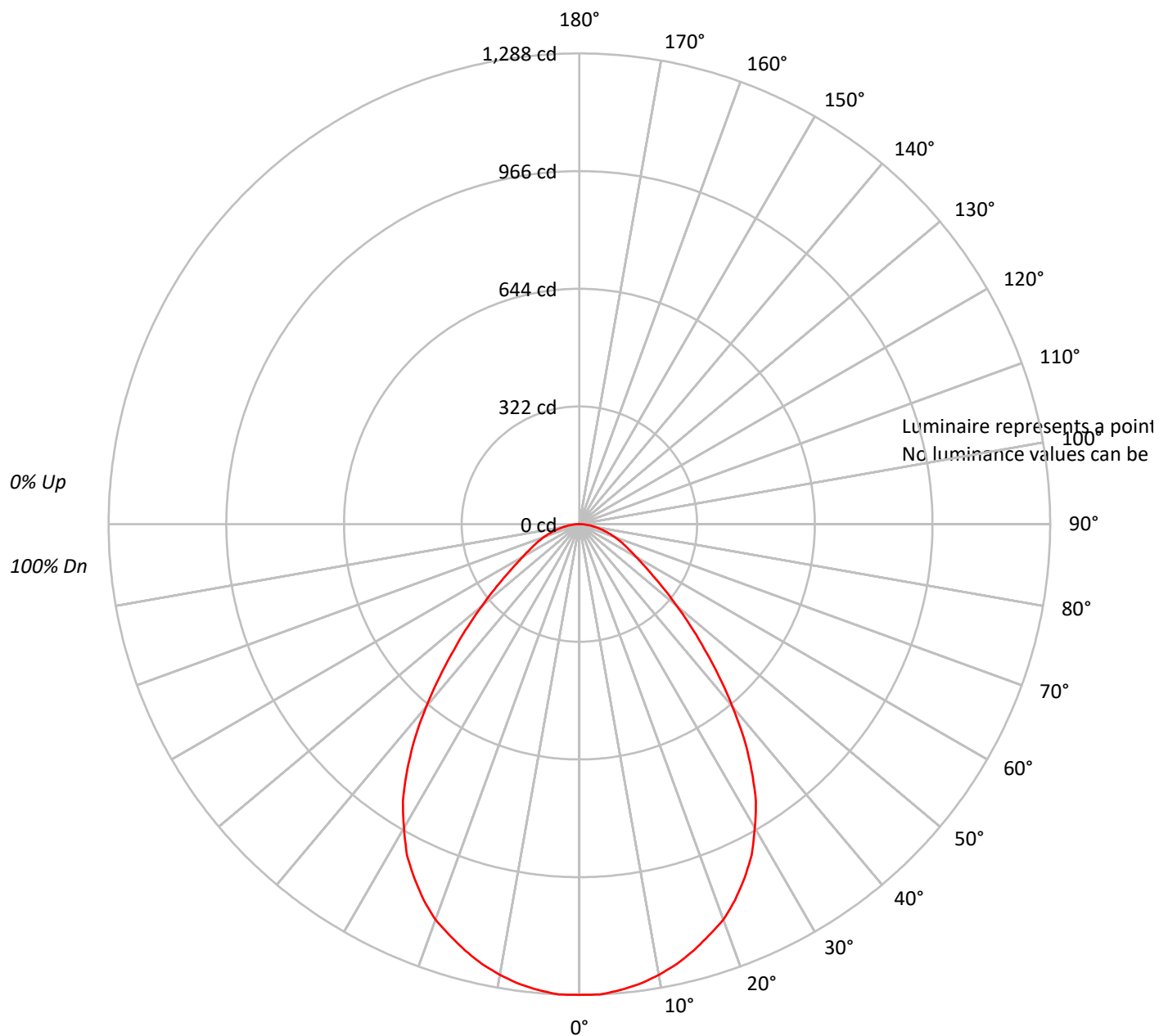
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	111	107	104	100		108	105	102	99		101	98	96			97	95	93			88
2	103	96	90	86		100	94	89	85		91	86	83			88	84	81			77
3	95	86	80	74		93	85	79	74		82	77	72			80	75	71			68
4	89	78	71	65		86	77	70	65		75	69	64			72	67	63			60
5	82	71	64	58		80	70	63	58		68	62	57			66	61	56			54
6	77	65	57	52		75	64	57	52		63	56	51			61	55	51			49
7	72	60	52	47		70	59	52	47		58	51	46			56	50	46			44
8	67	55	48	42		66	55	47	42		53	47	42			52	46	42			40
9	63	51	44	39		62	51	44	39		50	43	39			49	43	38			37
10	60	48	40	36		58	47	40	36		46	40	36			45	40	35			34

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.3	5.3
10°-20°	340.3	14.8
20°-30°	490.2	21.4
30°-40°	509.0	22.2
40°-50°	376.3	16.4
50°-60°	224.8	9.8
60°-70°	136.6	6.0
70°-80°	74.9	3.3
80°-90°	20.8	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°	951.8	41.5
0°-40°	1460.9	63.7
0°-60°	2062.0	89.9
0°-90°	2294.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2294.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1288	
5°	1280	121
15°	1208	340
25°	1068	490
35°	821	509
45°	484	376
55°	245	225
65°	136	137
75°	70	75
85°	17	21
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1288.3
2.5°	1288.3
5°	1280.0
7.5°	1268.9
10°	1252.2
12.5°	1232.7
15°	1207.7
17.5°	1179.8
20°	1152.0
22.5°	1113.0
25°	1068.5
27.5°	1021.2
30°	960.0
32.5°	898.8
35°	820.9
37.5°	740.2
40°	651.1
42.5°	564.9
45°	484.2
47.5°	411.8
50°	347.8
52.5°	292.2
55°	244.9
57.5°	208.7
60°	178.1
62.5°	155.8
65°	136.3
67.5°	119.7
70°	103.0
72.5°	86.3
75°	69.6
77.5°	55.7
80°	41.7
82.5°	30.6
85°	16.7
87.5°	8.3
90°	0.0



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— 0°-180°







(END OF REPORT)