

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: P203769

Luminaire Tested: **LD6B30D010 EU6B30509027 6LBNWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203769
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 6LBNWH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW 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: 1635.1 lumens
Efficiency: N/A
Efficacy: 58.4 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.64
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

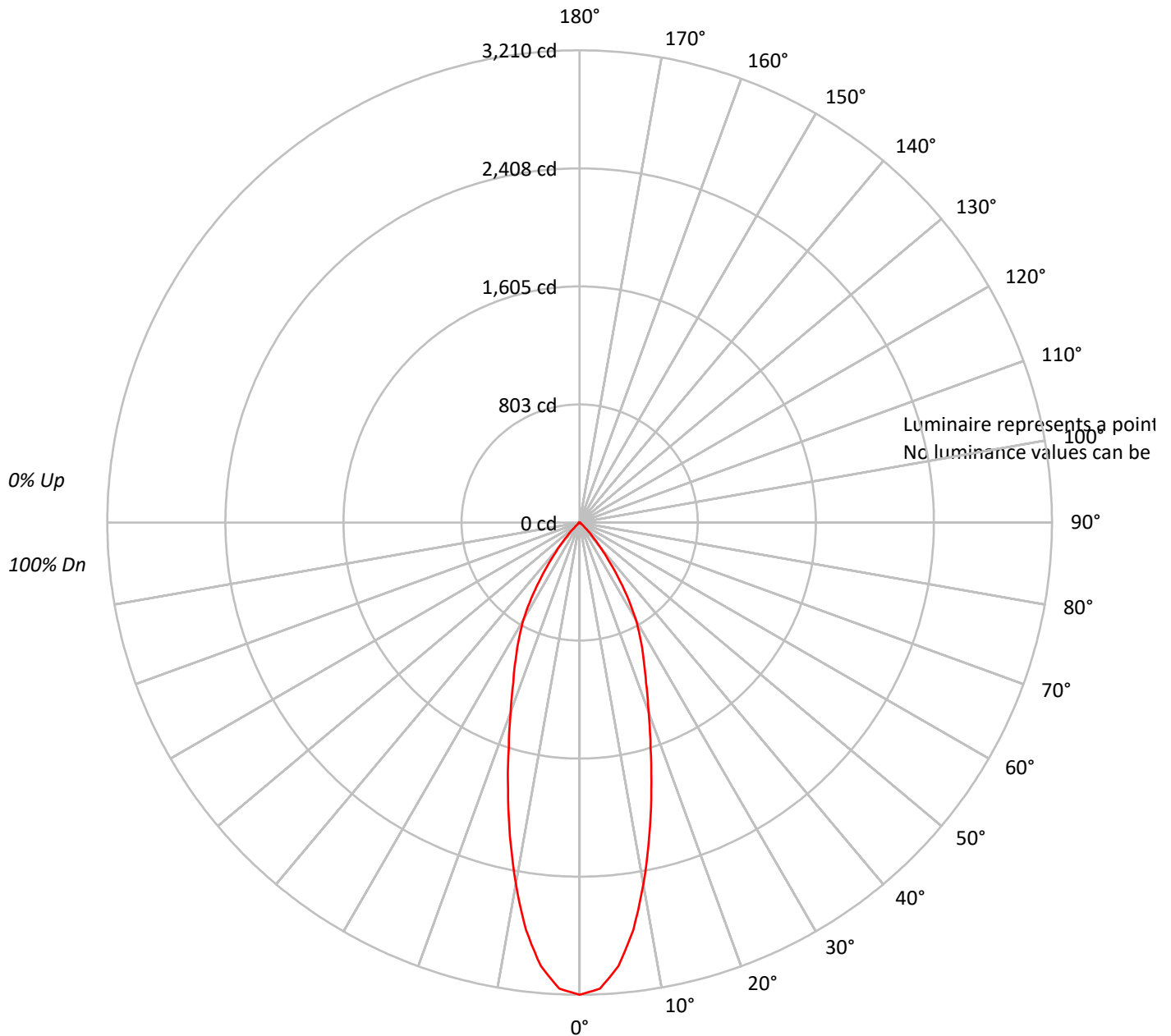
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	112	109	107	105		105	104	102			101	100	99			98
2	109	104	101	97	107	103	99	96		99	97	94			96	94	92			94
3	104	98	93	90	102	97	92	89		94	91	88			92	89	86			89
4	99	92	87	83	97	91	86	83		89	85	82			87	84	81			85
5	95	87	82	78	93	86	81	77		84	80	77			83	79	76			81
6	91	82	77	73	89	82	76	73		80	76	72			79	75	72			78
7	87	78	73	69	85	77	72	69		76	72	68			75	71	68			74
8	83	74	69	65	82	74	68	65		73	68	65			72	67	64			71
9	79	71	65	62	78	70	65	61		69	65	61			68	64	61			68
10	76	67	62	58	75	67	62	58		66	61	58			65	61	58			65

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.8	16.6
10°-20°	522.2	31.9
20°-30°	474.7	29.0
30°-40°	287.7	17.6
40°-50°	65.5	4.0
50°-60°	8.3	0.5
60°-70°	3.8	0.2
70°-80°	1.1	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°	1268.7	77.6
0°-40°	1556.4	95.2
0°-60°	1630.2	99.7
0°-90°	1635.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1635.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3210	
5°	3027	272
15°	1881	522
25°	1029	475
35°	456	288
45°	72	65
55°	8	8
65°	3	4
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3210.3
2.5°	3171.3
5°	3026.7
7.5°	2793.0
10°	2495.3
12.5°	2186.6
15°	1880.6
17.5°	1602.4
20°	1368.7
22.5°	1179.5
25°	1029.3
27.5°	895.8
30°	765.0
32.5°	612.0
35°	456.2
37.5°	319.9
40°	211.4
42.5°	130.7
45°	72.3
47.5°	33.4
50°	13.9
52.5°	11.1
55°	8.3
57.5°	8.3
60°	5.6
62.5°	5.6
65°	2.8
67.5°	2.8
70°	2.8
72.5°	2.8
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)