

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: P202632

Luminaire Tested: **LD6B30D010 EU6B30508035 6LBMWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202632
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 6LBMWMH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH WARM HAZE 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: 2375.7 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.89
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

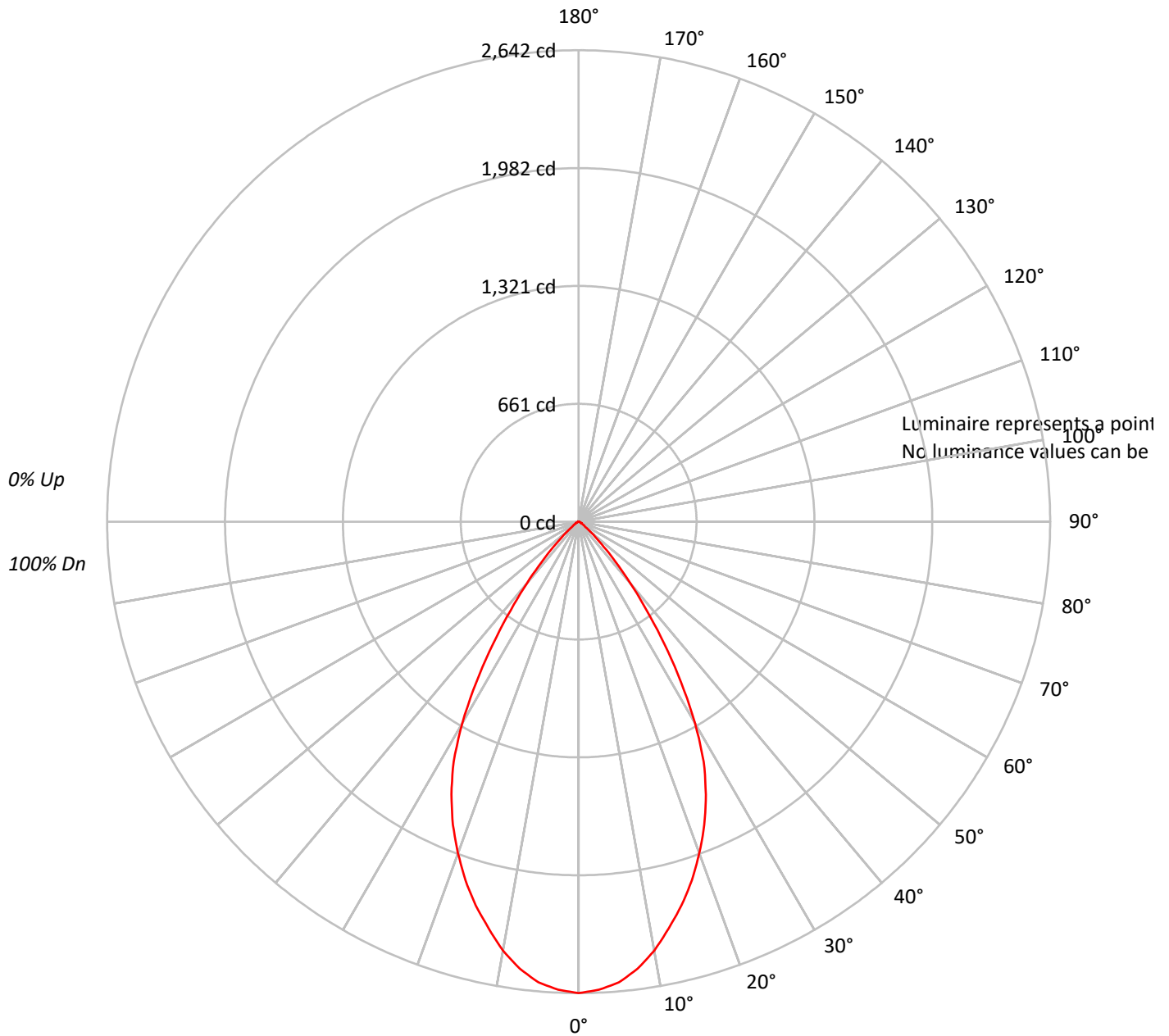
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
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	113	111	108	106	111	108	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	95	105	101	97	94		98	95	92		95	92	90		92	90	88
3	102	95	90	86	100	94	89	86		91	88	84		89	86	83		87	84	82
4	97	89	83	79	95	88	83	79		86	81	78		84	80	77		82	79	76
5	92	83	77	73	90	82	77	73		80	76	72		79	75	71		77	74	71
6	87	78	72	67	85	77	71	67		76	71	67		74	70	66		73	69	66
7	83	73	67	63	81	72	67	63		71	66	62		70	65	62		69	65	61
8	78	69	63	58	77	68	62	58		67	62	58		66	61	58		65	61	58
9	75	65	59	55	73	64	59	55		63	58	54		62	58	54		62	57	54
10	71	61	55	51	70	61	55	51		60	55	51		59	54	51		58	54	51

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.5	10.2
10°-20°	622.5	26.2
20°-30°	764.5	32.2
30°-40°	524.2	22.1
40°-50°	168.5	7.1
50°-60°	34.2	1.4
60°-70°	13.4	0.6
70°-80°	5.0	0.2
80°-90°	0.8	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°	1629.5	68.6
0°-40°	2153.7	90.7
0°-60°	2356.4	99.2
0°-90°	2375.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2375.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2642	
5°	2592	242
15°	2227	622
25°	1687	765
35°	836	524
45°	200	169
55°	34	34
65°	14	13
75°	4	5
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2641.9
2.5°	2625.8
5°	2591.6
7.5°	2527.1
10°	2440.4
12.5°	2333.6
15°	2226.8
17.5°	2107.9
20°	1976.9
22.5°	1839.9
25°	1686.7
27.5°	1517.5
30°	1303.8
32.5°	1068.1
35°	836.3
37.5°	624.7
40°	449.4
42.5°	306.3
45°	199.5
47.5°	122.9
50°	74.6
52.5°	46.3
55°	34.3
57.5°	26.2
60°	20.2
62.5°	16.1
65°	14.1
67.5°	10.1
70°	8.1
72.5°	6.0
75°	4.0
77.5°	4.0
80°	2.0
82.5°	2.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)