

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: P205406

Luminaire Tested: **LD6B30D010 EU6B30508027 6LBSLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205406
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 EU6B30508027 6LBSLI1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SPECULAR CLEAR 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: 3047.5 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

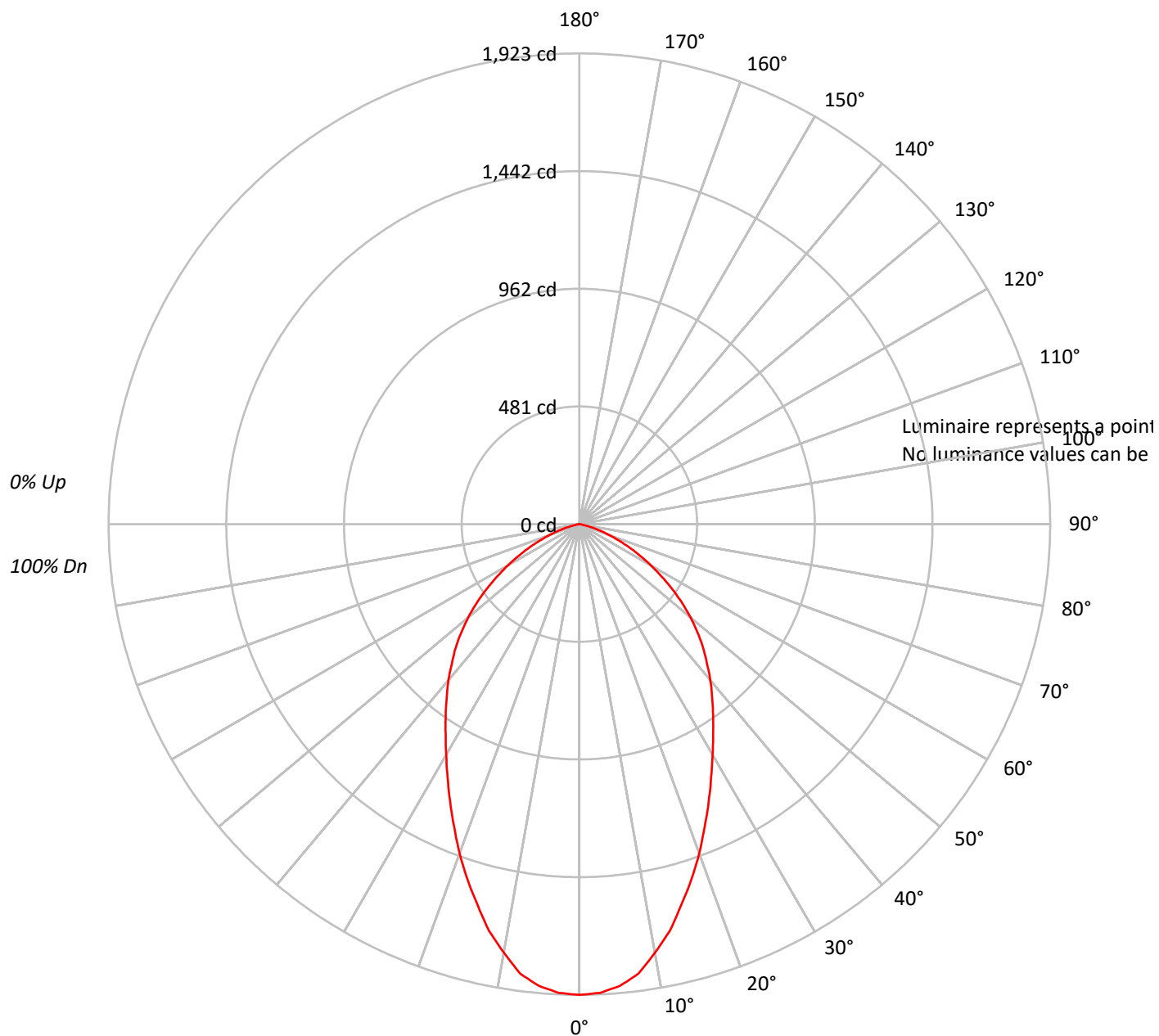
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	109	105	102	99		101	99	96			97	95	93			94
2	103	96	91	86	100	94	89	85		91	87	83			88	84	81			85
3	95	86	79	74	93	85	78	73		82	76	72			79	75	71			77
4	88	78	70	64	86	77	69	64		74	68	63			72	67	62			70
5	82	71	63	57	80	70	62	57		67	61	56			66	60	55			64
6	76	64	56	51	74	63	56	51		62	55	50			60	54	50			59
7	71	59	51	46	70	58	51	45		57	50	45			55	49	45			54
8	67	54	47	41	65	54	46	41		52	46	41			51	45	41			50
9	63	50	43	38	61	50	43	38		49	42	38			48	42	37			47
10	59	47	40	35	58	46	39	35		45	39	35			45	39	34			44

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.2	5.8
10°-20°	451.1	14.8
20°-30°	575.3	18.9
30°-40°	596.6	19.6
40°-50°	549.7	18.0
50°-60°	413.5	13.6
60°-70°	223.2	7.3
70°-80°	59.9	2.0
80°-90°	0.9	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°	1203.6	39.5
0°-40°	1800.3	59.1
0°-60°	2763.5	90.7
0°-90°	3047.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3047.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1923	
5°	1894	177
15°	1609	451
25°	1250	575
35°	952	597
45°	716	550
55°	463	414
65°	223	223
75°	52	60
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1923.1
2.5°	1916.7
5°	1894.0
7.5°	1851.9
10°	1777.4
12.5°	1703.0
15°	1609.1
17.5°	1521.7
20°	1431.0
22.5°	1337.1
25°	1249.7
27.5°	1165.5
30°	1087.8
32.5°	1016.6
35°	951.9
37.5°	890.3
40°	832.1
42.5°	770.5
45°	715.5
47.5°	654.0
50°	592.5
52.5°	527.7
55°	463.0
57.5°	398.2
60°	336.7
62.5°	278.4
65°	223.4
67.5°	171.6
70°	126.3
72.5°	87.4
75°	51.8
77.5°	22.7
80°	6.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)