

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: P205203

Luminaire Tested: **LD6B30D010 EU6B30508027 6LBWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205203
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 6LBWLI1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE 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: 2856.4 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

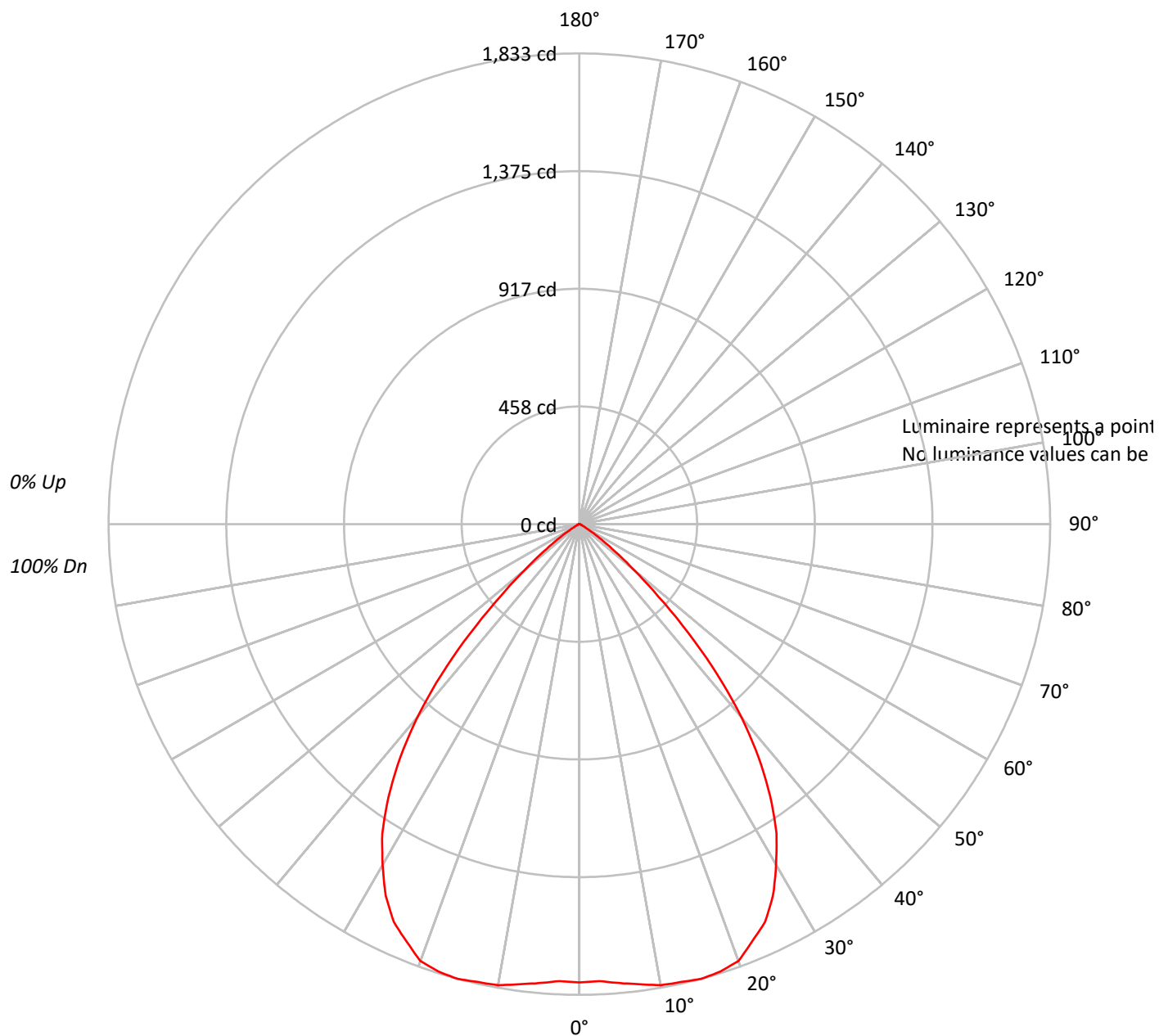
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	107	104	110	107	105	103	103	101	99		100	98	97		96
2	106	101	96	92	104	99	95	91	95	92	89		92	90	87		90
3	100	92	87	82	97	91	86	81	88	84	80		86	82	79		83
4	93	85	78	74	92	84	78	73	81	76	72		79	75	71		77
5	88	78	71	66	86	77	71	66	75	70	65		73	69	65		72
6	82	72	65	60	81	71	65	60	70	64	59		68	63	59		67
7	77	67	60	55	76	66	59	55	65	59	54		63	58	54		62
8	73	62	55	50	71	61	55	50	60	54	50		59	54	50		58
9	69	57	51	46	67	57	50	46	56	50	46		55	50	46		54
10	65	54	47	43	64	53	47	43	52	46	42		51	46	42		51

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.2	6.0
10°-20°	517.4	18.1
20°-30°	780.0	27.3
30°-40°	798.4	27.9
40°-50°	465.1	16.3
50°-60°	106.9	3.7
60°-70°	13.1	0.5
70°-80°	3.4	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°	1469.6	51.4
0°-40°	2267.9	79.4
0°-60°	2839.9	99.4
0°-90°	2856.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2856.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1784	
5°	1794	172
15°	1833	517
25°	1710	780
35°	1295	798
45°	599	465
55°	104	107
65°	10	13
75°	3	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1784.5
2.5°	1781.2
5°	1794.2
7.5°	1807.1
10°	1823.3
12.5°	1826.6
15°	1833.0
17.5°	1826.6
20°	1810.4
22.5°	1758.6
25°	1710.0
27.5°	1632.3
30°	1531.9
32.5°	1428.2
35°	1295.4
37.5°	1146.5
40°	981.3
42.5°	796.7
45°	599.1
47.5°	417.8
50°	275.3
52.5°	174.9
55°	103.6
57.5°	55.1
60°	29.1
62.5°	16.2
65°	9.7
67.5°	9.7
70°	6.5
72.5°	3.2
75°	3.2
77.5°	3.2
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)