

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: P295108

Luminaire Tested: **LD6B30DE010 EU6B30509030D2W 6LBN0H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P295108
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35130)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B30DE010 EU6B30509030D2W 6LBN0H
Description: PORTFOLIO 6" D2W RN DOWNLIGHT, NARROW DISTRIBUTION WITH HAZE FINISH
Light Source: D2W 1800K-3000K CCT TUNING RANGE
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1578.0 lumens
Efficiency: N/A
Efficacy: 51.7 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

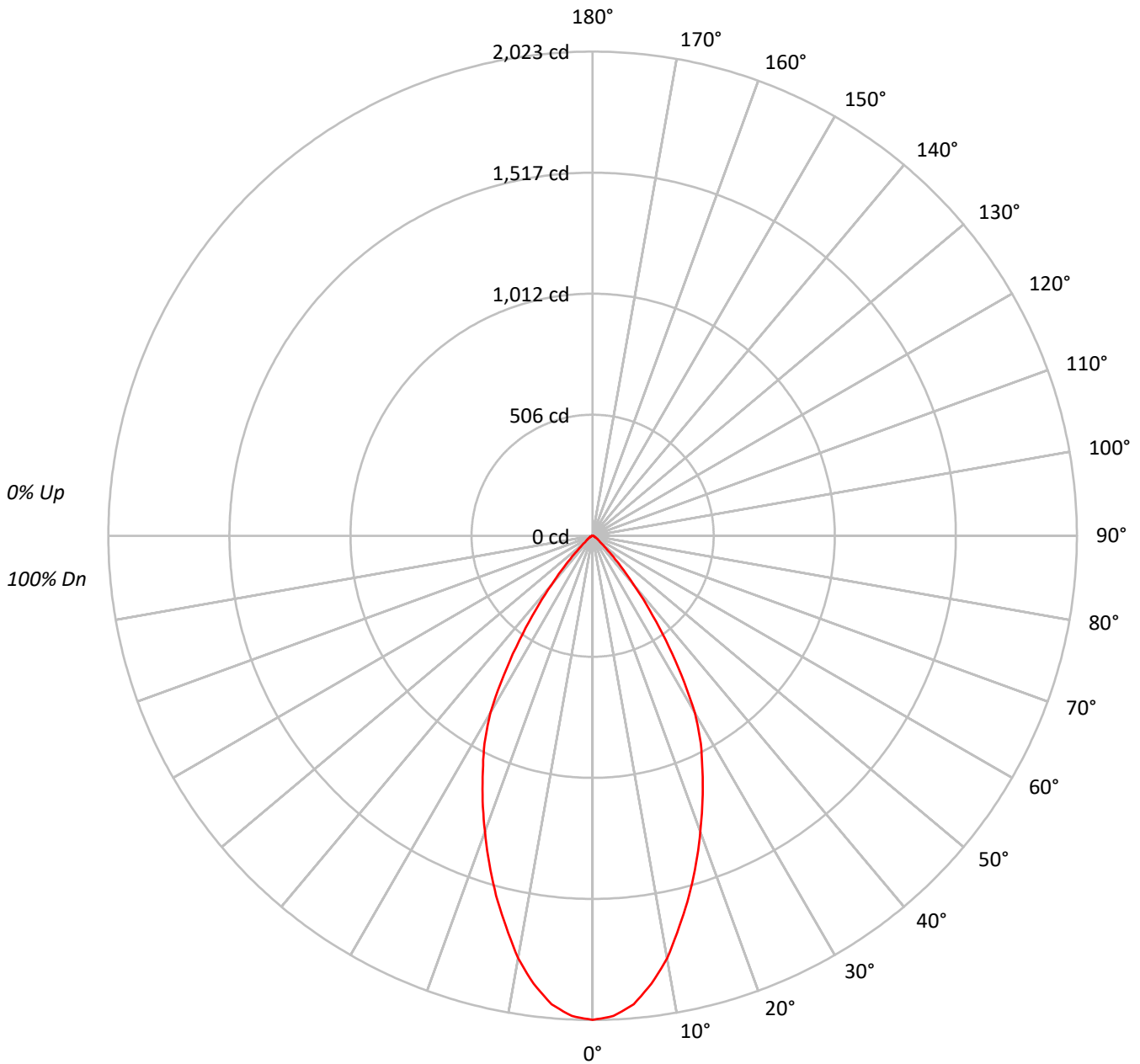
Input Watts (W): 30.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	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	102	102	102	100			
1	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81			
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75			
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70			
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61			
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58			
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54			
10	72	62	57	53	71	62	57	53	61	56	53	60	56	52	60	55	52	51			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	131969
5°	128707
10°	118754
15°	105143
20°	91297
25°	78089
30°	64380
35°	42395
40°	22790
45°	10084
50°	4090
55°	2946
60°	1879
65°	1328
70°	1106
75°	731
80°	1090
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.9	11.5
10°-20°	433.8	27.5
20°-30°	497.0	31.5
30°-40°	333.9	21.2
40°-50°	95.4	6.0
50°-60°	23.3	1.5
60°-70°	8.9	0.6
70°-80°	3.4	0.2
80°-90°	0.4	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°	1112.7	70.5
0°-40°	1446.6	91.7
0°-60°	1565.3	99.2
0°-90°	1578.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1578.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2023	
5°	1965	182
15°	1557	434
25°	1085	497
35°	532	334
45°	109	95
55°	26	23
65°	9	9
75°	3	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2022.8
2.5°	2008.4
5°	1965.3
7.5°	1887.6
10°	1792.6
12.5°	1671.8
15°	1556.7
17.5°	1435.8
20°	1315.0
22.5°	1199.9
25°	1084.8
27.5°	978.3
30°	854.6
32.5°	690.6
35°	532.3
37.5°	388.5
40°	267.6
42.5°	175.5
45°	109.3
47.5°	66.2
50°	40.3
52.5°	31.7
55°	25.9
57.5°	20.1
60°	14.4
62.5°	11.5
65°	8.6
67.5°	5.8
70°	5.8
72.5°	2.9
75°	2.9
77.5°	2.9
80°	2.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)