

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: P274412

Luminaire Tested: **LD6B10DE010W2N2050 EU6B1020W2N902050 6LBS0LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P274412
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35288)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B10DE010W2N2050 EU6B1020W2N902050 6LBS0LI
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, SHALLOW WITH SPECULAR FINISH
Light Source: W2N 2000K-5000K CCT TUNING RANGE
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 926.1 lumens
Efficiency: N/A
Efficacy: 66.2 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

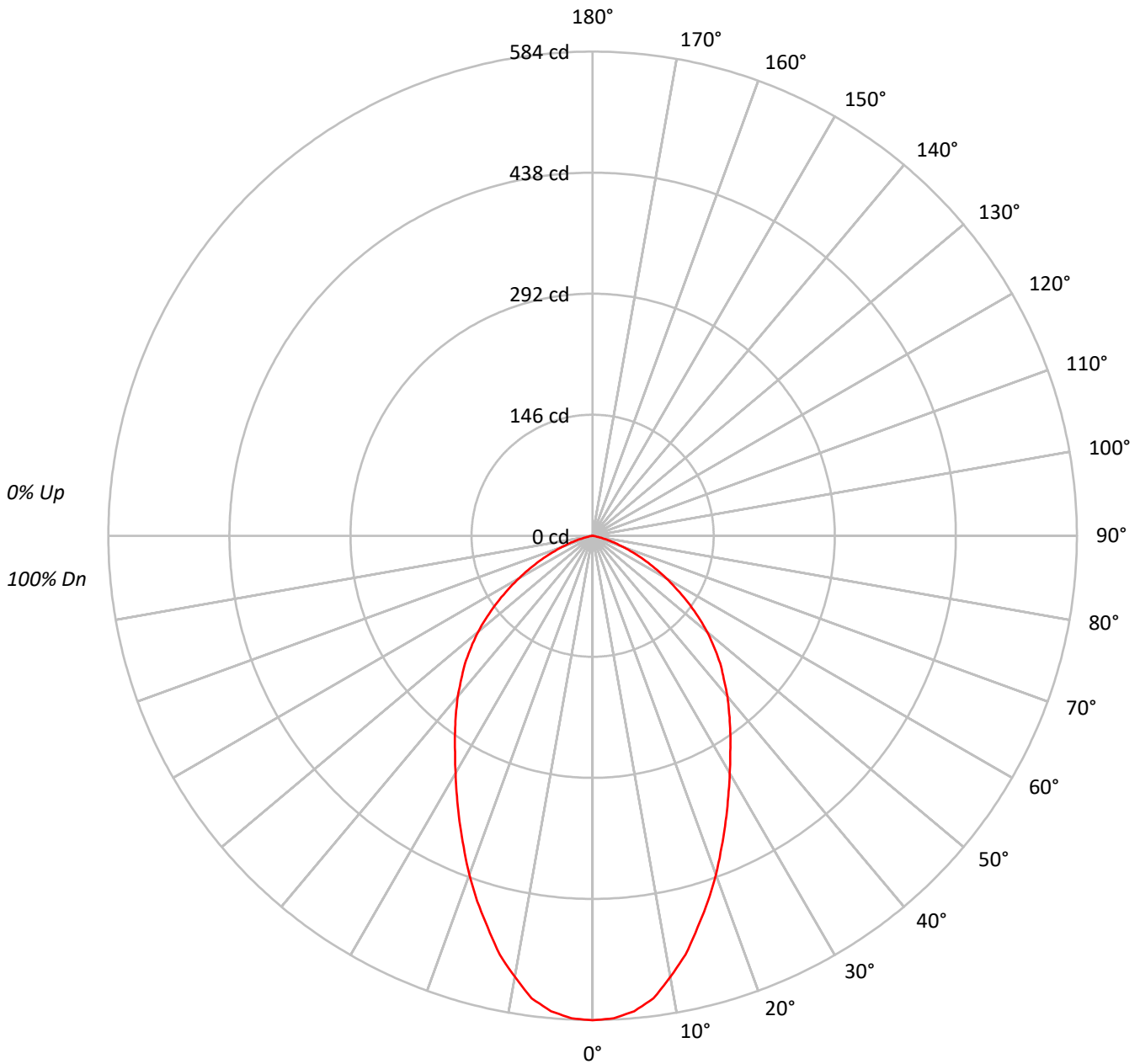
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89			
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77			
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68			
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60			
5	82	71	63	57	80	70	62	57	67	61	56	66	60	55	64	59	55	53			
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47			
7	71	59	51	46	70	58	51	45	57	50	45	55	49	45	54	49	45	43			
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39			
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36			
10	59	47	40	35	58	46	39	35	45	39	35	45	39	34	44	38	34	33			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	38127
5°	37696
10°	35787
15°	33028
20°	30194
25°	27340
30°	24905
35°	23041
40°	21538
45°	20058
50°	18280
55°	16004
60°	13348
65°	10482
70°	7325
75°	3958
80°	751
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.9	5.8
10°-20°	137.1	14.8
20°-30°	174.8	18.9
30°-40°	181.3	19.6
40°-50°	167.1	18.0
50°-60°	125.7	13.6
60°-70°	67.8	7.3
70°-80°	18.2	2.0
80°-90°	0.3	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°	365.8	39.5
0°-40°	547.1	59.1
0°-60°	839.8	90.7
0°-90°	926.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	926.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	584	
5°	576	54
15°	489	137
25°	380	175
35°	289	181
45°	217	167
55°	141	126
65°	68	68
75°	16	18
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	584.4
2.5°	582.5
5°	575.6
7.5°	562.8
10°	540.2
12.5°	517.5
15°	489.0
17.5°	462.4
20°	434.9
22.5°	406.3
25°	379.8
27.5°	354.2
30°	330.6
32.5°	308.9
35°	289.3
37.5°	270.6
40°	252.9
42.5°	234.2
45°	217.4
47.5°	198.7
50°	180.1
52.5°	160.4
55°	140.7
57.5°	121.0
60°	102.3
62.5°	84.6
65°	67.9
67.5°	52.1
70°	38.4
72.5°	26.6
75°	15.7
77.5°	6.9
80°	2.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)