

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: P274382

Luminaire Tested: **LD6B10DE010W2N2050 EU6B1020W2N902050 6LBM0LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P274382
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35220)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B10DE010W2N2050 EU6B1020W2N902050 6LBM0LI
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, MEDIUM DISTRIBUTION WITH SPECULAR FINISH
Light Source: W2N 2000K-5000K CCT TUNING RANGE
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 832.6 lumens
Efficiency: N/A
Efficacy: 59.5 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.84
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

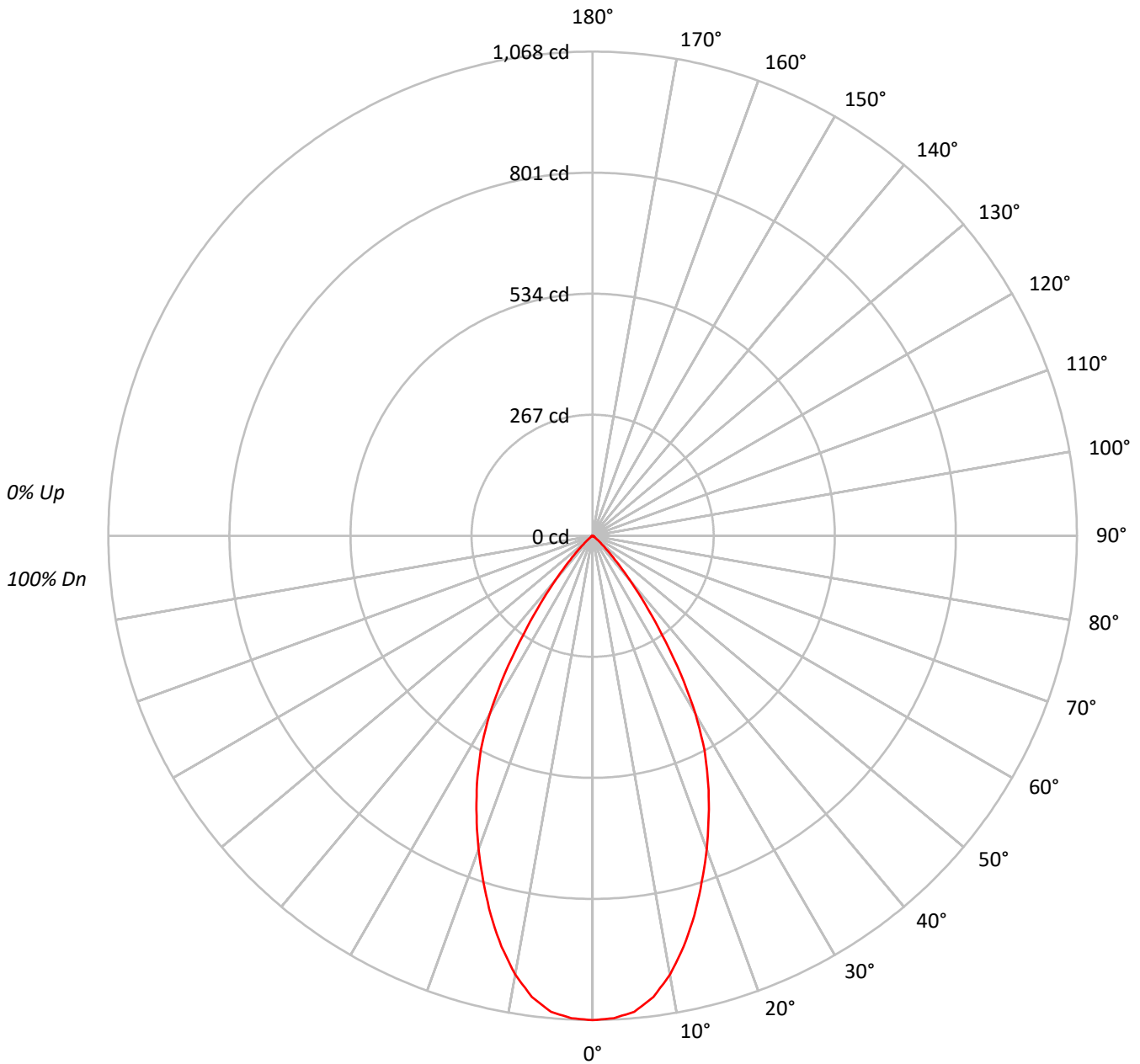
Input Watts (W): 14
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94			
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88			
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82			
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	84	80	78	76			
5	93	85	79	75	92	84	79	75	82	78	74	81	77	74	79	76	73	71			
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67			
7	84	75	70	65	83	75	69	65	73	68	65	72	68	65	71	67	64	63			
8	80	71	65	61	79	71	65	61	69	64	61	68	64	61	68	63	60	59			
9	77	67	62	58	76	67	61	58	66	61	57	65	60	57	64	60	57	56			
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	53			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	69703
5°	69020
10°	65094
15°	58566
20°	51064
25°	43421
30°	34141
35°	21146
40°	10722
45°	4290
50°	1462
55°	546
60°	418
65°	247
70°	153
75°	202
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.3	11.8
10°-20°	241.2	29.0
20°-30°	274.0	32.9
30°-40°	169.4	20.3
40°-50°	41.8	5.0
50°-60°	5.5	0.7
60°-70°	1.9	0.2
70°-80°	0.5	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°	613.5	73.7
0°-40°	782.9	94.0
0°-60°	830.2	99.7
0°-90°	832.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	832.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1068	
5°	1054	98
15°	867	241
25°	603	274
35°	266	169
45°	46	42
55°	5	5
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1068.4
2.5°	1065.2
5°	1053.9
7.5°	1025.9
10°	982.6
12.5°	928.0
15°	867.1
17.5°	800.5
20°	735.5
22.5°	668.9
25°	603.2
27.5°	534.2
30°	453.2
32.5°	360.9
35°	265.5
37.5°	188.5
40°	125.9
42.5°	78.6
45°	46.5
47.5°	26.5
50°	14.4
52.5°	7.2
55°	4.8
57.5°	4.0
60°	3.2
62.5°	2.4
65°	1.6
67.5°	1.6
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.0
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)