

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: P274414

Luminaire Tested: **LD6B20DE010W2N2050 EU6B1020W2N902050 6LBS0LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P274414
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: LD6B20DE010W2N2050 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: 1630.3 lumens
Efficiency: N/A
Efficacy: 58.2 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

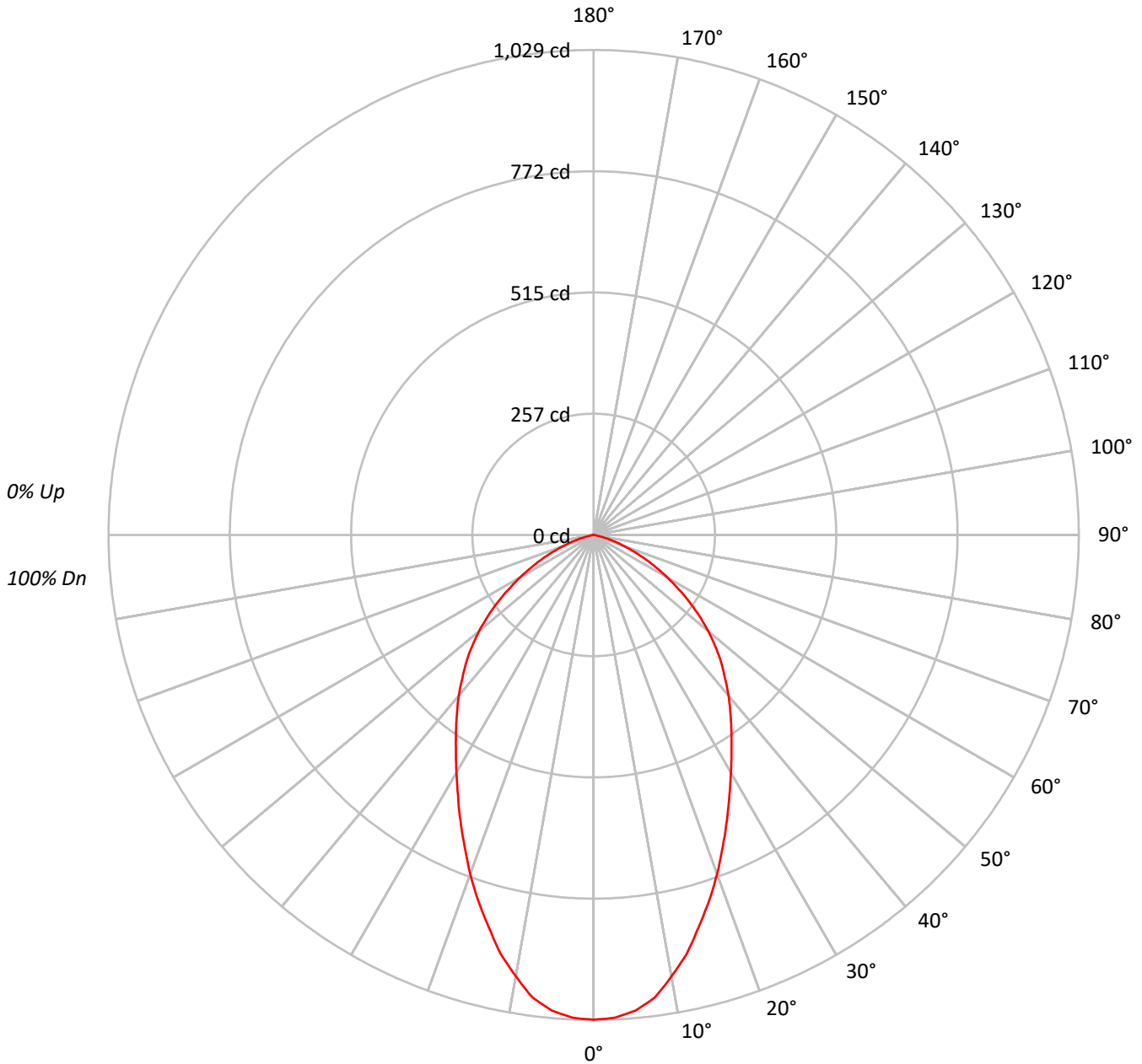
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			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°	67120
5°	66354
10°	62994
15°	58140
20°	53147
25°	48122
30°	43836
35°	40555
40°	37907
45°	35319
50°	32174
55°	28174
60°	23500
65°	18448
70°	12876
75°	6982
80°	1315
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.8	5.8
10°-20°	241.3	14.8
20°-30°	307.7	18.9
30°-40°	319.2	19.6
40°-50°	294.1	18.0
50°-60°	221.2	13.6
60°-70°	119.4	7.3
70°-80°	32.0	2.0
80°-90°	0.5	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°	643.9	39.5
0°-40°	963.0	59.1
0°-60°	1478.4	90.7
0°-90°	1630.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1630.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1029	
5°	1013	95
15°	861	241
25°	668	308
35°	509	319
45°	383	294
55°	248	221
65°	120	119
75°	28	32
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1028.8
2.5°	1025.3
5°	1013.2
7.5°	990.7
10°	950.9
12.5°	911.0
15°	860.8
17.5°	814.0
20°	765.5
22.5°	715.3
25°	668.5
27.5°	623.5
30°	581.9
32.5°	543.8
35°	509.2
37.5°	476.3
40°	445.1
42.5°	412.2
45°	382.8
47.5°	349.9
50°	317.0
52.5°	282.3
55°	247.7
57.5°	213.0
60°	180.1
62.5°	149.0
65°	119.5
67.5°	91.8
70°	67.5
72.5°	46.8
75°	27.7
77.5°	12.1
80°	3.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)