

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: P274402

Luminaire Tested: **LD6B20DE010W2N2050 EU6B1020W2N902050 6LBW0H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P274402
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35120)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B20DE010W2N2050 EU6B1020W2N902050 6LBW0H
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, WIDE DISTRIBUTION WITH HAZE FINISH
Light Source: W2N 2000K-5000K CCT TUNING RANGE
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1449.1 lumens
Efficiency: N/A
Efficacy: 51.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

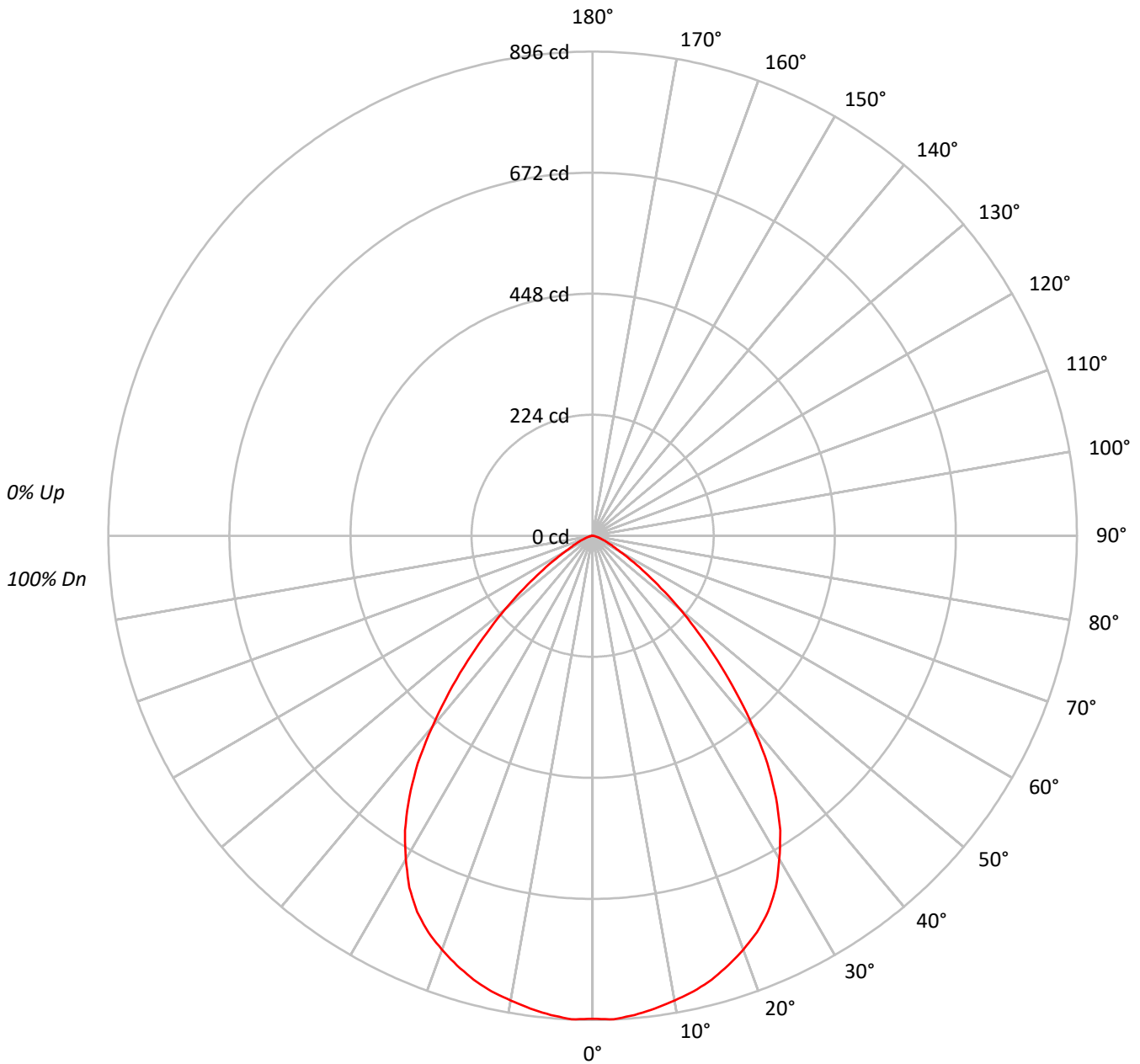
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			100
1	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91			91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81			81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73			73
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65			65
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59			59
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53			53
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49			49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			44
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41			41
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	58312
5°	58293
10°	57847
15°	57451
20°	56584
25°	55285
30°	52055
35°	47109
40°	39338
45°	30143
50°	21345
55°	13456
60°	7594
65°	4924
70°	3224
75°	2369
80°	1428
85°	1422



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.4	5.8
10°-20°	239.5	16.5
20°-30°	351.2	24.2
30°-40°	365.5	25.2
40°-50°	252.9	17.5
50°-60°	110.1	7.6
60°-70°	33.8	2.3
70°-80°	10.1	0.7
80°-90°	1.5	0.1
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°	675.2	46.6
0°-40°	1040.7	71.8
0°-60°	1403.7	96.9
0°-90°	1449.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1449.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	894	
5°	890	84
15°	851	240
25°	768	351
35°	592	366
45°	327	253
55°	118	110
65°	32	34
75°	9	10
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	893.8
2.5°	895.7
5°	890.1
7.5°	882.6
10°	873.2
12.5°	863.8
15°	850.6
17.5°	833.7
20°	815.0
22.5°	794.3
25°	768.0
27.5°	734.2
30°	691.0
32.5°	646.0
35°	591.5
37.5°	531.4
40°	461.9
42.5°	392.5
45°	326.7
47.5°	264.8
50°	210.3
52.5°	159.6
55°	118.3
57.5°	84.5
60°	58.2
62.5°	43.2
65°	31.9
67.5°	24.4
70°	16.9
72.5°	13.1
75°	9.4
77.5°	5.6
80°	3.8
82.5°	1.9
85°	1.9
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)