

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: P274421

Luminaire Tested: **LD6B20DE010W2N2765 EU6B1020W2N902765 6LBCS0MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P274421
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35142)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B20DE010W2N2765 EU6B1020W2N902765 6LBCS0MW
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, CAST SHALLOW WITH MATTE WHITE FINISH
Light Source: W2N 2700K-6500K CCT TUNING RANGE
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1878.3 lumens
Efficiency: N/A
Efficacy: 67.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

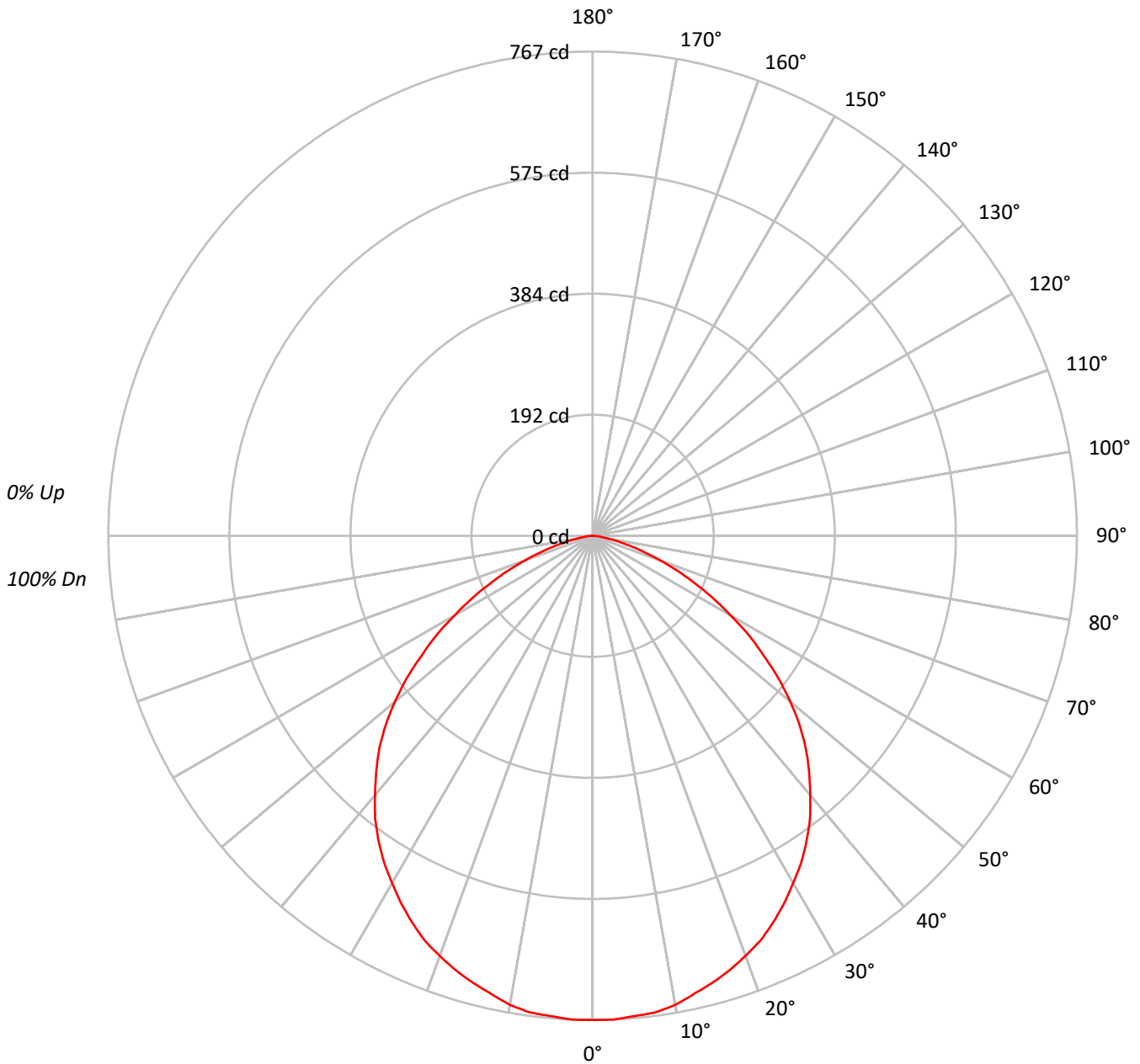
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87			87
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74			74
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63			63
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55			55
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48			48
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42			42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37			37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33			33
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30			30
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27			27

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	50046
5°	50015
10°	49990
15°	49508
20°	49155
25°	48669
30°	47844
35°	47046
40°	45657
45°	44102
50°	41471
55°	37547
60°	32973
65°	27756
70°	21707
75°	15200
80°	8566
85°	5988



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.7	3.9
10°-20°	206.9	11.0
20°-30°	311.3	16.6
30°-40°	368.9	19.6
40°-50°	367.1	19.5
50°-60°	296.0	15.8
60°-70°	179.0	9.5
70°-80°	66.5	3.5
80°-90°	9.9	0.5
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°	590.9	31.5
0°-40°	959.8	51.1
0°-60°	1622.9	86.4
0°-90°	1878.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1878.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	767	
5°	764	73
15°	733	207
25°	676	311
35°	591	369
45°	478	367
55°	330	296
65°	180	179
75°	60	66
85°	8	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	767.1
2.5°	767.1
5°	763.7
7.5°	761.5
10°	754.6
12.5°	743.2
15°	733.0
17.5°	721.6
20°	708.0
22.5°	694.3
25°	676.1
27.5°	656.7
30°	635.1
32.5°	614.6
35°	590.7
37.5°	565.7
40°	536.1
42.5°	507.6
45°	478.0
47.5°	445.0
50°	408.6
52.5°	371.1
55°	330.1
57.5°	293.7
60°	252.7
62.5°	216.3
65°	179.8
67.5°	145.7
70°	113.8
72.5°	85.4
75°	60.3
77.5°	38.7
80°	22.8
82.5°	13.7
85°	8.0
87.5°	3.4
90°	0.0



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— 0°-180°







(END OF REPORT)