

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: P274393

Luminaire Tested: **LD6B20DE010W2N2765 EU6B1020W2N902765 6LBW0LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P274393
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35285)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B20DE010W2N2765 EU6B1020W2N902765 6LBW0LI
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, WIDE DISTRIBUTION WITH SPECULAR FINISH
Light Source: W2N 2700K-6500K CCT TUNING RANGE
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1859.7 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

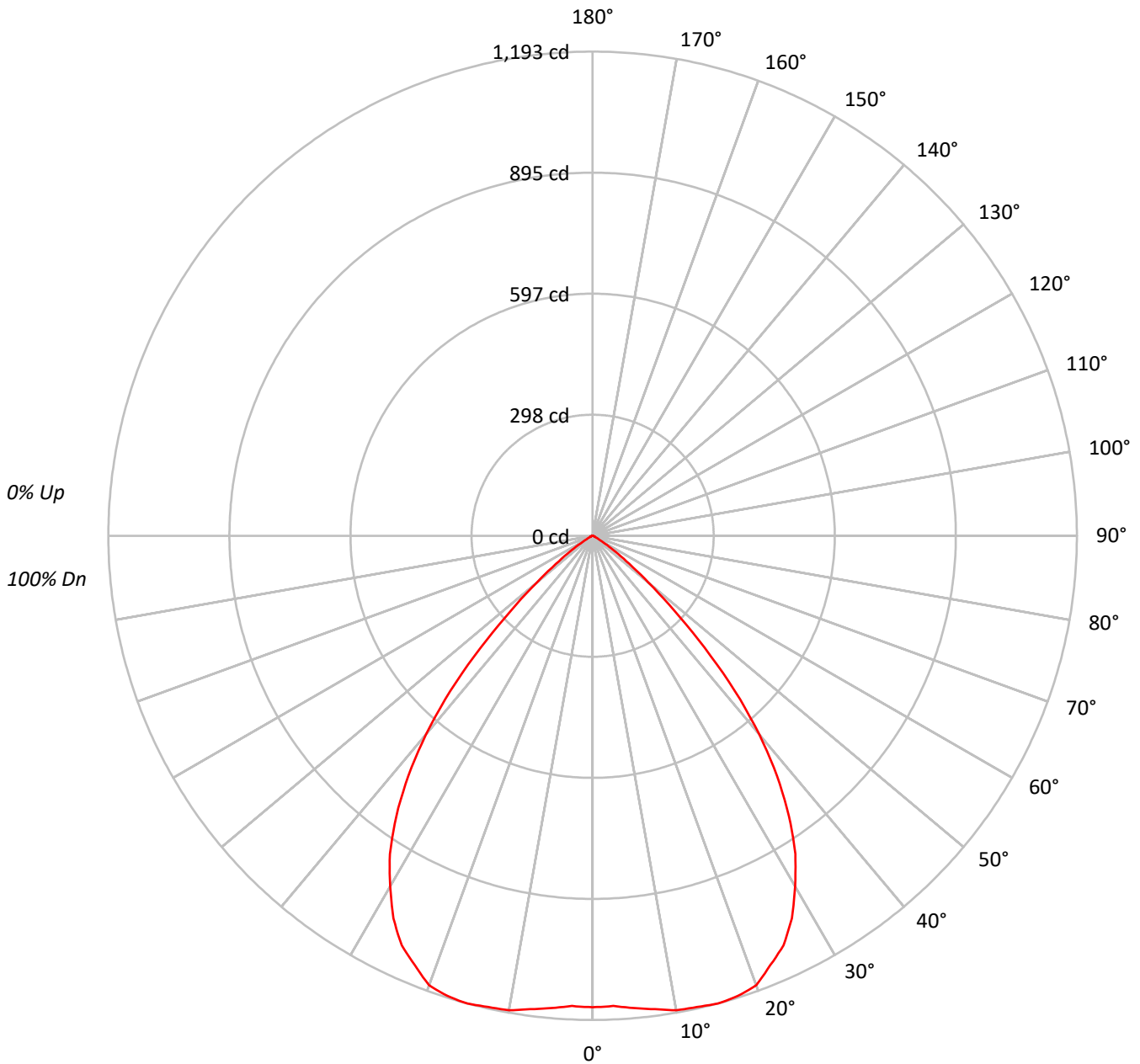
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	100
1	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92	92	92	92
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83	83	83	83
3	100	92	87	82	97	91	86	81	88	84	80	86	82	79	83	80	77	76	76	76	76
4	93	85	78	74	92	84	78	73	81	76	72	79	75	71	77	74	70	69	69	69	69
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63	63	63	63
6	82	72	65	60	81	71	65	60	70	64	59	68	63	59	67	62	59	57	57	57	57
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52	52	52	52
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48	48	48	48
9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	46	44	44	44	44
10	65	54	47	43	64	53	47	43	52	46	42	51	46	42	51	46	42	41	41	41	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	75797
5°	76499
10°	78642
15°	80605
20°	81827
25°	80141
30°	75130
35°	67172
40°	54412
45°	35992
50°	18188
55°	7678
60°	2479
65°	973
70°	801
75°	529
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.1	6.0
10°-20°	336.9	18.1
20°-30°	507.8	27.3
30°-40°	519.8	27.9
40°-50°	302.8	16.3
50°-60°	69.6	3.7
60°-70°	8.5	0.5
70°-80°	2.2	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°	956.8	51.4
0°-40°	1476.5	79.4
0°-60°	1848.9	99.4
0°-90°	1859.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1859.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1162	
5°	1168	112
15°	1193	337
25°	1113	508
35°	843	520
45°	390	303
55°	68	70
65°	6	9
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1161.8
2.5°	1159.7
5°	1168.1
7.5°	1176.5
10°	1187.1
12.5°	1189.2
15°	1193.4
17.5°	1189.2
20°	1178.6
22.5°	1144.9
25°	1113.3
27.5°	1062.7
30°	997.3
32.5°	929.8
35°	843.4
37.5°	746.4
40°	638.9
42.5°	518.7
45°	390.1
47.5°	272.0
50°	179.2
52.5°	113.9
55°	67.5
57.5°	35.8
60°	19.0
62.5°	10.5
65°	6.3
67.5°	6.3
70°	4.2
72.5°	2.1
75°	2.1
77.5°	2.1
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)