

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: P274411

Luminaire Tested: **LD6B20DE010W2N2765 EU6B1020W2N902765 6LBS0LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P274411
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: LD6B20DE010W2N2765 EU6B1020W2N902765 6LBS0LI
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, SHALLOW WITH SPECULAR FINISH
Light Source: W2N 2700K-6500K CCT TUNING RANGE
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1841.1 lumens
Efficiency: N/A
Efficacy: 65.8 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

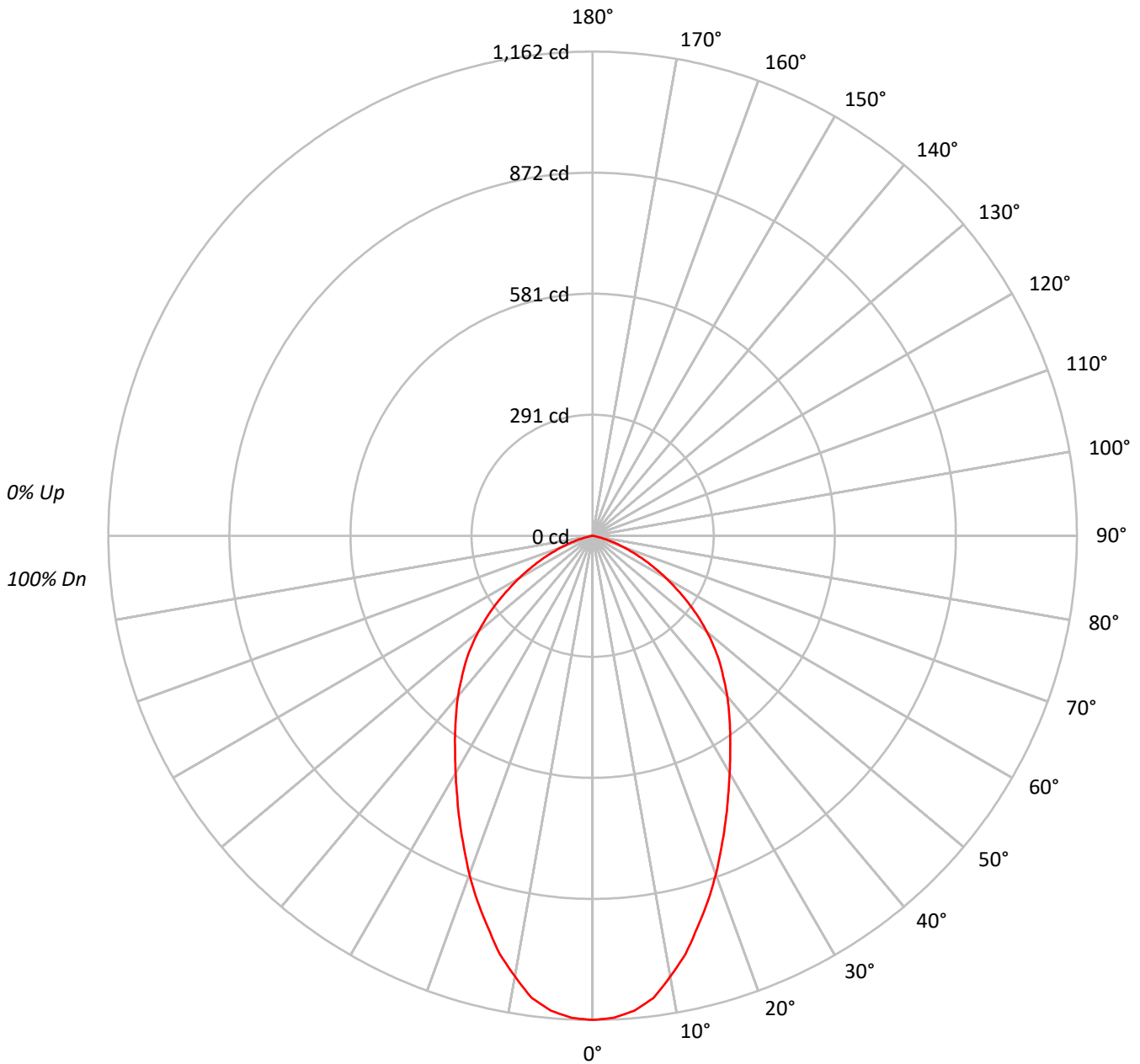
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	75797
5°	74933
10°	71136
15°	65658
20°	60020
25°	54349
30°	49509
35°	45795
40°	42813
45°	39886
50°	36326
55°	31814
60°	26540
65°	20840
70°	14554
75°	7890
80°	1465
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.1	5.8
10°-20°	272.5	14.8
20°-30°	347.6	18.9
30°-40°	360.4	19.6
40°-50°	332.1	18.0
50°-60°	249.8	13.6
60°-70°	134.9	7.3
70°-80°	36.2	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°	727.2	39.5
0°-40°	1087.6	59.1
0°-60°	1669.5	90.7
0°-90°	1841.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1841.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1162	
5°	1144	107
15°	972	273
25°	755	348
35°	575	360
45°	432	332
55°	280	250
65°	135	135
75°	31	36
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1161.8
2.5°	1157.9
5°	1144.2
7.5°	1118.8
10°	1073.8
12.5°	1028.8
15°	972.1
17.5°	919.3
20°	864.5
22.5°	807.8
25°	755.0
27.5°	704.1
30°	657.2
32.5°	614.2
35°	575.0
37.5°	537.9
40°	502.7
42.5°	465.5
45°	432.3
47.5°	395.1
50°	357.9
52.5°	318.8
55°	279.7
57.5°	240.6
60°	203.4
62.5°	168.2
65°	135.0
67.5°	103.7
70°	76.3
72.5°	52.8
75°	31.3
77.5°	13.7
80°	3.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)