

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: P274387

Luminaire Tested: **LD6B20DE010W2N2765 EU6B1020W2N902765 6LBM0H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P274387
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35125)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B20DE010W2N2765 EU6B1020W2N902765 6LBM0H
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, MEDIUM DISTRIBUTION WITH HAZE FINISH
Light Source: W2N 2700K-6500K CCT TUNING RANGE
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1338.9 lumens
Efficiency: N/A
Efficacy: 47.8 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

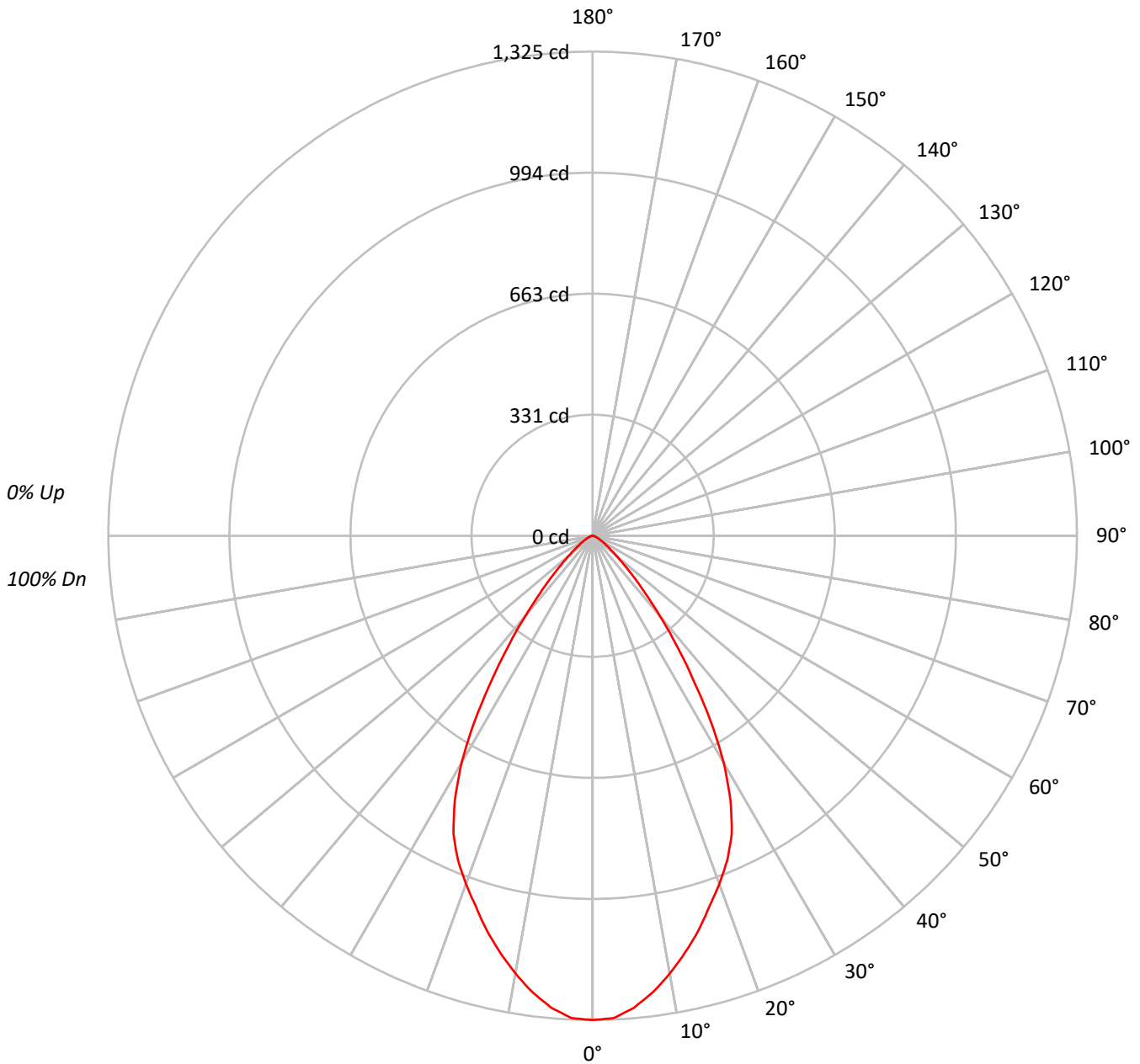
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92	92	92	92
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85	85	85
3	101	94	88	84	99	92	88	84	90	86	82	87	84	81	85	82	80	78	78	78	78
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72	72	72	72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66	66	66	66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61	61	61	61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57	57	57	57
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53	53	53	53
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49	49	49	49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46	46	46	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	86450
5°	84901
10°	80563
15°	75553
20°	70358
25°	64830
30°	54014
35°	38070
40°	24264
45°	14467
50°	8536
55°	5437
60°	3745
65°	2655
70°	1831
75°	1437
80°	714
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.2	9.0
10°-20°	313.4	23.4
20°-30°	406.1	30.3
30°-40°	301.5	22.5
40°-50°	127.3	9.5
50°-60°	45.2	3.4
60°-70°	17.4	1.3
70°-80°	6.0	0.4
80°-90°	0.8	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°	840.7	62.8
0°-40°	1142.2	85.3
0°-60°	1314.7	98.2
0°-90°	1338.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1338.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1325	
5°	1296	121
15°	1119	313
25°	901	406
35°	478	302
45°	157	127
55°	48	45
65°	17	17
75°	6	6
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1325.1
2.5°	1321.2
5°	1296.4
7.5°	1260.1
10°	1216.1
12.5°	1168.3
15°	1118.6
17.5°	1063.1
20°	1013.4
22.5°	961.8
25°	900.6
27.5°	816.5
30°	717.0
32.5°	600.4
35°	478.0
37.5°	374.8
40°	284.9
42.5°	212.2
45°	156.8
47.5°	114.7
50°	84.1
52.5°	63.1
55°	47.8
57.5°	36.3
60°	28.7
62.5°	21.0
65°	17.2
67.5°	13.4
70°	9.6
72.5°	7.6
75°	5.7
77.5°	3.8
80°	1.9
82.5°	1.9
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)