

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: P224330

Luminaire Tested: **LD2B20D010 EU2B20FL409035 2LBDSQLC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224330
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14835)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B20D010 EU2B20FL409035 2LBDSQLC*MW
Description: 2000 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
LENSED SQUARE CAST TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1376.1 lumens
Efficiency: N/A
Efficacy: 65.8 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.59
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

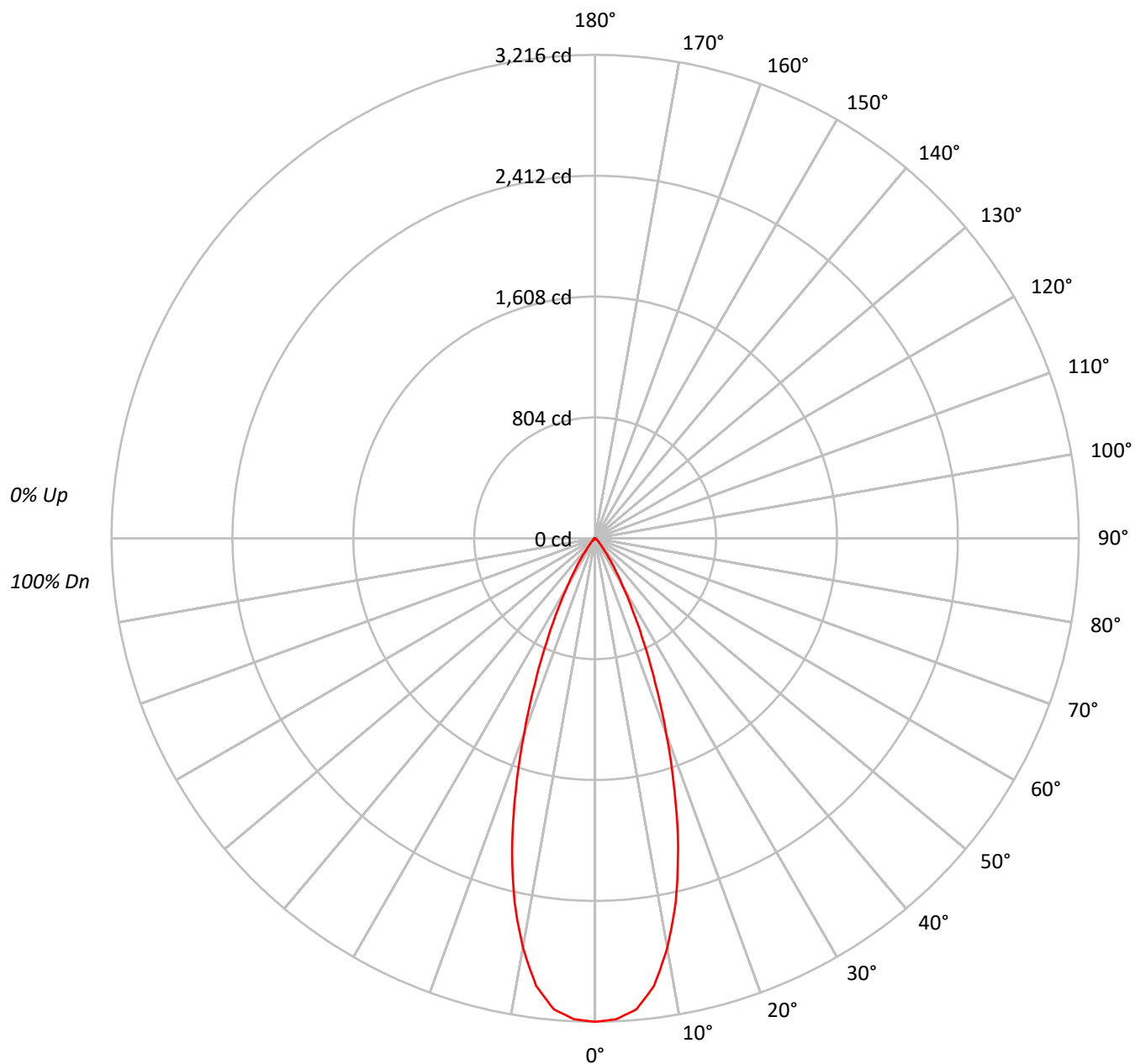
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10		70	50	30	10		50	30	10			50	30	10			50
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			102
1	114	112	110	108		112	110	108	106		106	104	103			102	101	100			99
2	110	106	102	99		108	104	101	98		101	98	96			98	96	94			95
3	105	100	96	93		104	99	95	92		96	93	90			94	91	89			92
4	101	95	90	87		100	94	90	86		92	88	85			90	87	85			88
5	98	91	86	82		96	90	85	82		88	84	81			86	83	80			85
6	94	86	82	78		93	86	81	78		84	80	77			83	79	77			82
7	90	83	78	74		89	82	77	74		81	77	74			80	76	73			79
8	87	79	74	71		86	79	74	71		78	74	71			77	73	70			76
9	84	76	71	68		83	76	71	68		75	71	68			74	70	67			73
10	81	73	68	65		80	73	68	65		72	68	65			71	68	65			71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1245782
5°	1223090
10°	1087258
15°	855114
20°	569008
25°	326653
30°	164997
35°	77644
40°	31249
45°	15448
50°	8497
55°	5943
60°	5500
65°	3208
70°	3964
75°	2694
80°	4015
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.1	20.9
10°-20°	577.6	42.0
20°-30°	359.3	26.1
30°-40°	110.5	8.0
40°-50°	24.3	1.8
50°-60°	8.7	0.6
60°-70°	4.3	0.3
70°-80°	2.6	0.2
80°-90°	0.7	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°	1225.1	89.0
0°-40°	1335.6	97.1
0°-60°	1368.5	99.4
0°-90°	1376.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1376.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3216	
5°	3146	288
15°	2132	578
25°	764	359
35°	164	110
45°	28	24
55°	9	9
65°	4	4
75°	2	3
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3216.2
2.5°	3202.1
5°	3145.6
7.5°	3002.6
10°	2764.3
12.5°	2478.4
15°	2132.4
17.5°	1754.6
20°	1380.4
22.5°	1046.8
25°	764.3
27.5°	538.4
30°	368.9
32.5°	248.9
35°	164.2
37.5°	98.9
40°	61.8
42.5°	42.4
45°	28.2
47.5°	19.4
50°	14.1
52.5°	12.4
55°	8.8
57.5°	7.1
60°	7.1
62.5°	5.3
65°	3.5
67.5°	3.5
70°	3.5
72.5°	3.5
75°	1.8
77.5°	1.8
80°	1.8
82.5°	1.8
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)