

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: P#

Luminaire Tested: **LD2B20D010 EU2B20WFL558035 2LBDSQLC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14811)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B20D010 EU2B20WFL558035 2LBDSQLC*MMS
Description: 2000 Lumen, 2inch Portfolio LED Downlight
WIDE FLOOD OPTIC
LENSED SQUARE CAST TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1565.0 lumens
Efficiency: N/A
Efficacy: 74.9 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.83
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

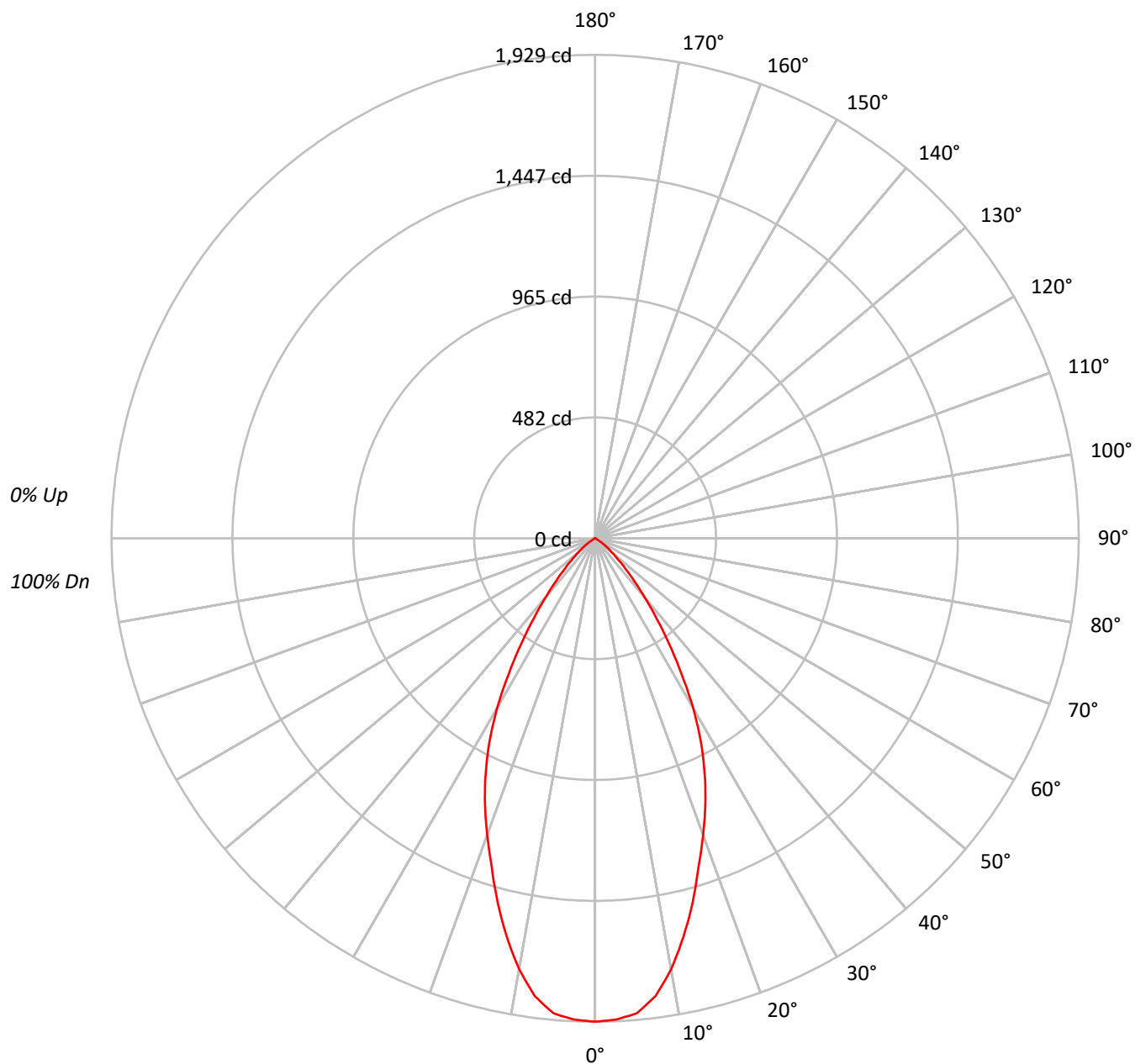
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
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	113	111	108	106		111	108	106	104		104	103	101			101	99	98			97
2	108	103	99	95		106	101	97	94		98	95	92			95	92	90			92
3	102	96	91	87		100	94	90	86		92	88	84			89	86	83			87
4	97	89	84	79		95	88	83	79		86	81	78			84	80	77			82
5	92	83	77	73		90	82	77	73		81	76	72			79	75	71			77
6	87	78	72	68		86	77	72	67		76	71	67			74	70	66			73
7	83	73	67	63		81	73	67	63		71	66	62			70	65	62			69
8	79	69	63	59		77	68	63	59		67	62	58			66	62	58			65
9	75	65	59	55		74	65	59	55		64	58	55			63	58	55			62
10	71	62	56	52		70	61	55	52		60	55	51			59	55	51			59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	747152
5°	739974
10°	686857
15°	602959
20°	518842
25°	441578
30°	349719
35°	242767
40°	154222
45°	92960
50°	53089
55°	29039
60°	3331
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.6	11.3
10°-20°	418.5	26.7
20°-30°	469.8	30.0
30°-40°	323.8	20.7
40°-50°	136.8	8.7
50°-60°	38.5	2.5
60°-70°	1.0	0.1
70°-80°	0.0	0.0
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°	1064.9	68.0
0°-40°	1388.6	88.7
0°-60°	1564.0	99.9
0°-90°	1565.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1565.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1929	
5°	1903	177
15°	1504	419
25°	1033	470
35°	513	324
45°	170	137
55°	43	39
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1928.9
2.5°	1922.4
5°	1903.1
7.5°	1843.0
10°	1746.3
12.5°	1628.2
15°	1503.6
17.5°	1372.6
20°	1258.7
22.5°	1149.2
25°	1033.2
27.5°	912.9
30°	781.9
32.5°	640.1
35°	513.4
37.5°	401.7
40°	305.0
42.5°	229.8
45°	169.7
47.5°	122.4
50°	88.1
52.5°	64.4
55°	43.0
57.5°	21.5
60°	4.3
62.5°	2.1
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
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)