

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: P264897

Luminaire Tested: **LD2B20D010 EU2B2010SP159024 2LBSQLC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264897
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1711-432-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B20D010 EU2B2010SP159024 2LBSQLC*MB
Description: 2000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1200.0 lumens
Efficiency: N/A
Efficacy: 57.4 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.31 / 0.32
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

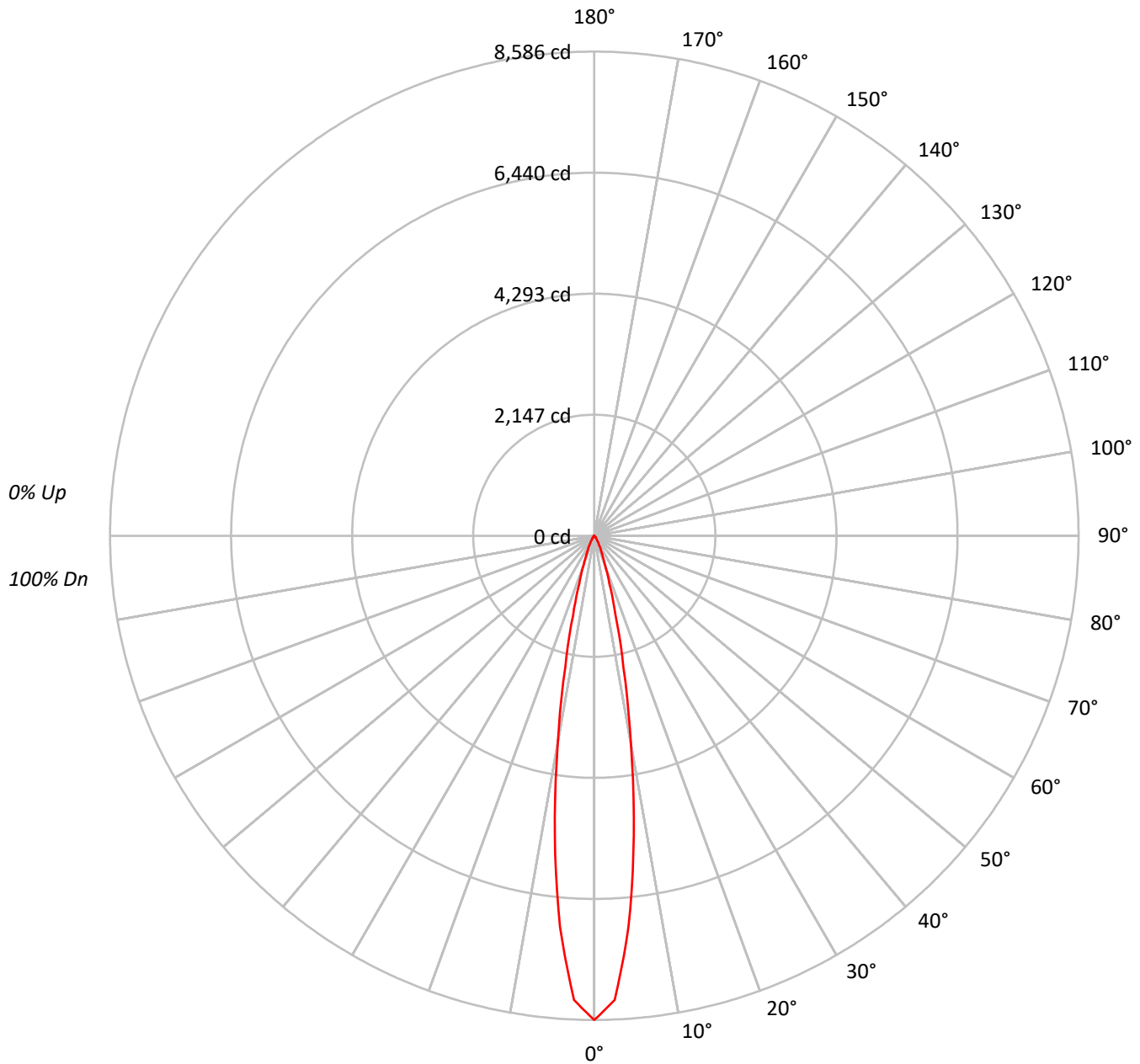
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	113	111	110		113	111	110	108		107	106	105			104	103	102			100
2	112	108	106	103		110	107	104	102		104	102	100			101	99	98			98
3	109	104	101	98		107	103	100	97		100	98	96			98	96	94			96
4	106	100	97	94		104	99	96	93		97	95	92			96	93	91			94
5	103	97	93	91		101	96	93	90		95	92	89			93	91	89			92
6	100	94	90	88		99	94	90	87		92	89	87			91	88	86			90
7	98	92	88	85		97	91	88	85		90	87	85			89	86	84			88
8	95	89	86	83		94	89	85	83		88	85	82			87	84	82			86
9	93	87	83	81		92	87	83	81		86	83	81			85	82	80			85
10	91	85	82	79		91	85	81	79		84	81	79			84	81	79			83

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4236251
5°	3447905
10°	1862466
15°	742602
20°	297741
25°	142569
30°	73945
35°	39088
40°	21640
45°	13396
50°	9210
55°	6193
60°	4736
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	559.9	46.7
10°-20°	441.7	36.8
20°-30°	130.3	10.9
30°-40°	43.4	3.6
40°-50°	16.3	1.4
50°-60°	7.2	0.6
60°-70°	1.2	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°	1131.9	94.3
0°-40°	1175.3	97.9
0°-60°	1198.8	99.9
0°-90°	1200.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1200.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8586	
5°	6962	560
15°	1454	442
25°	262	130
35°	65	43
45°	19	16
55°	7	7
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8586.5
2.5°	8240.4
5°	6962.0
7.5°	5363.9
10°	3717.7
12.5°	2379.1
15°	1453.9
17.5°	886.8
20°	567.1
22.5°	379.7
25°	261.9
27.5°	185.0
30°	129.8
32.5°	91.3
35°	64.9
37.5°	45.7
40°	33.6
42.5°	26.4
45°	19.2
47.5°	16.8
50°	12.0
52.5°	9.6
55°	7.2
57.5°	7.2
60°	4.8
62.5°	2.4
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)