

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: P264911

Luminaire Tested: **LD2B05D010 EU2B0510SP159027 2LBSQLC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264911
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: LD2B05D010 EU2B0510SP159027 2LBSQLC*MW
Description: 500 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 548.0 lumens
Efficiency: N/A
Efficacy: 75.1 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

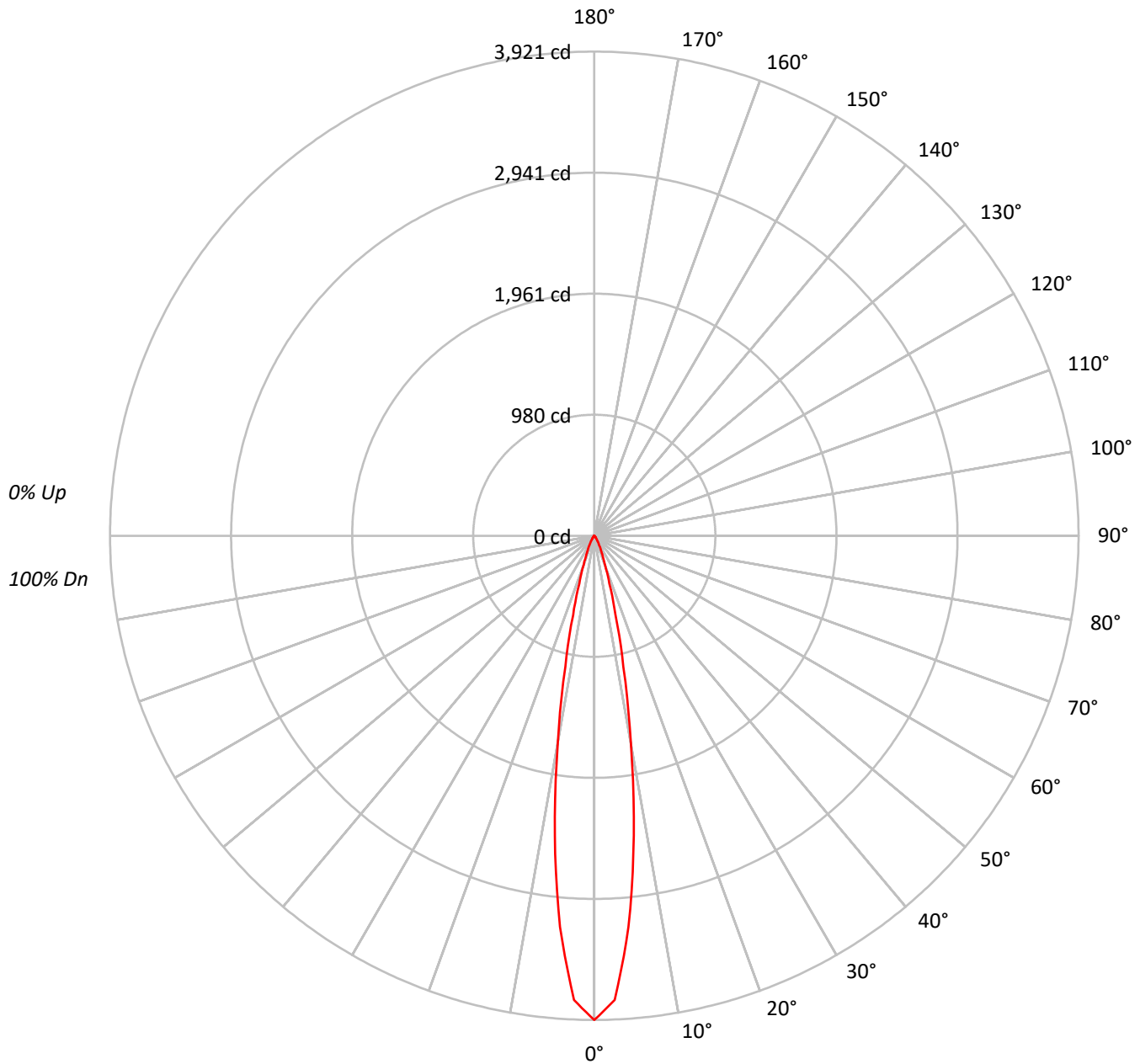
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	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			100
1	115	113	111	110	113	111	110	108		107	106	105			104	103	102			97
2	112	108	106	103	110	107	104	102		104	102	100			101	99	98			94
3	109	104	101	98	107	103	100	97		100	98	96			98	96	94			92
4	105	100	97	94	104	99	96	93		97	95	92			96	93	91			89
5	103	97	93	91	101	96	93	90		95	92	89			93	91	89			87
6	100	94	90	88	99	94	90	87		92	89	87			91	88	86			85
7	98	92	88	85	97	91	88	85		90	87	85			89	86	84			83
8	95	89	86	83	94	89	85	83		88	85	82			87	84	82			81
9	93	87	83	81	92	87	83	81		86	83	81			85	82	80			79
10	91	85	82	79	91	85	81	79		84	81	79			84	81	79			78

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1934570
5°	1574537
10°	850501
15°	339148
20°	135981
25°	65106
30°	33782
35°	17828
40°	9918
45°	6140
50°	4221
55°	2838
60°	2171
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.7	46.7
10°-20°	201.7	36.8
20°-30°	59.5	10.9
30°-40°	19.8	3.6
40°-50°	7.5	1.4
50°-60°	3.3	0.6
60°-70°	0.5	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°	516.9	94.3
0°-40°	536.7	97.9
0°-60°	547.5	99.9
0°-90°	548.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	548.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3921	
5°	3179	256
15°	664	202
25°	120	60
35°	30	20
45°	9	7
55°	3	3
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3921.2
2.5°	3763.1
5°	3179.3
7.5°	2449.5
10°	1697.7
12.5°	1086.5
15°	664.0
17.5°	405.0
20°	259.0
22.5°	173.4
25°	119.6
27.5°	84.5
30°	59.3
32.5°	41.7
35°	29.6
37.5°	20.9
40°	15.4
42.5°	12.1
45°	8.8
47.5°	7.7
50°	5.5
52.5°	4.4
55°	3.3
57.5°	3.3
60°	2.2
62.5°	1.1
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)