

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: P224338

Luminaire Tested: **LD2B05D010 EU2B05FL409727 2LBDSQC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224338
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14831)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B05D010 EU2B05FL409727 2LBDSQC*MMS
Description: 500 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
SQUARE CAST TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 508.6 lumens
Efficiency: N/A
Efficacy: 69.7 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

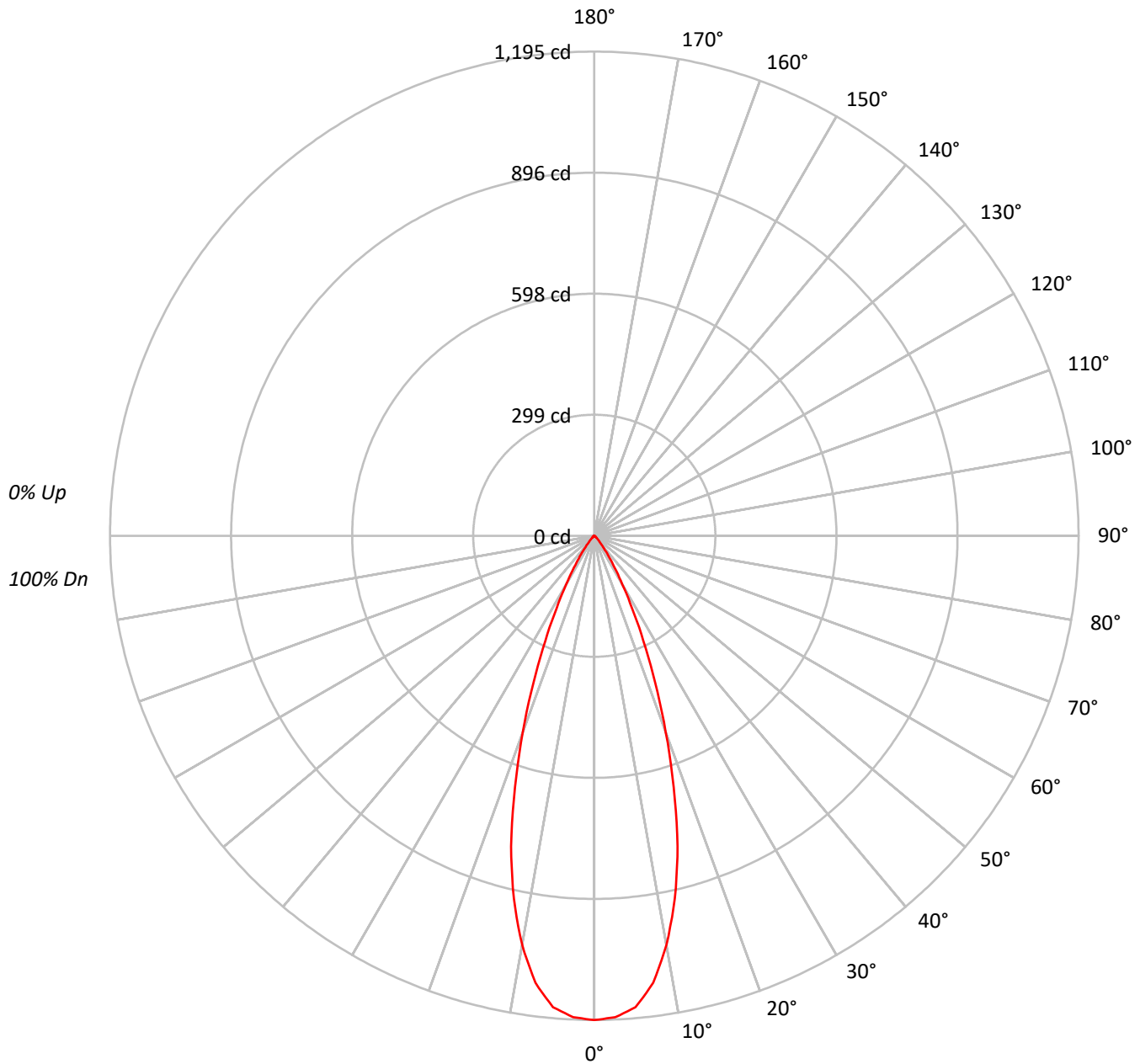
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				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	100	108	104	101	99	101	99	96		98	96	94		95
3	106	100	96	93	104	99	95	92	97	93	91		94	92	89		92
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		89
5	98	91	86	83	96	90	86	82	88	85	82		87	83	81		85
6	94	87	82	78	93	86	82	78	85	81	78		83	80	77		82
7	91	83	78	75	89	82	78	75	81	77	74		80	77	74		79
8	87	80	75	71	86	79	75	71	78	74	71		77	73	71		76
9	84	76	72	68	83	76	71	68	75	71	68		74	71	68		74
10	81	74	69	66	81	73	69	66	72	68	65		72	68	65		71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	462956
5°	454071
10°	403351
15°	318282
20°	212286
25°	122191
30°	61902
35°	29034
40°	11883
45°	5368
50°	2772
55°	1756
60°	1007
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.9	21.0
10°-20°	214.5	42.2
20°-30°	134.3	26.4
30°-40°	41.6	8.2
40°-50°	8.6	1.7
50°-60°	2.4	0.5
60°-70°	0.3	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°	455.7	89.6
0°-40°	497.3	97.8
0°-60°	508.3	99.9
0°-90°	508.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	508.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1195	
5°	1168	107
15°	794	214
25°	286	134
35°	61	42
45°	10	9
55°	3	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1195.2
2.5°	1189.3
5°	1167.8
7.5°	1112.9
10°	1025.5
12.5°	917.8
15°	793.7
17.5°	650.8
20°	515.0
22.5°	391.6
25°	285.9
27.5°	201.0
30°	138.4
32.5°	92.7
35°	61.4
37.5°	38.5
40°	23.5
42.5°	15.0
45°	9.8
47.5°	6.5
50°	4.6
52.5°	3.3
55°	2.6
57.5°	2.0
60°	1.3
62.5°	0.7
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)