

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: P222895

Luminaire Tested: **LSSQ2B05NFL259027D010 2LBDC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P222895
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (155)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQ2B05NFL259027D010 2LBDC*MB
Description: 500 Lumen, 2inch Portfolio LED Cylinder
NARROW FLOOD OPTIC
CAST ROUND TRIM WITH MATTE BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 581.0 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.35
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

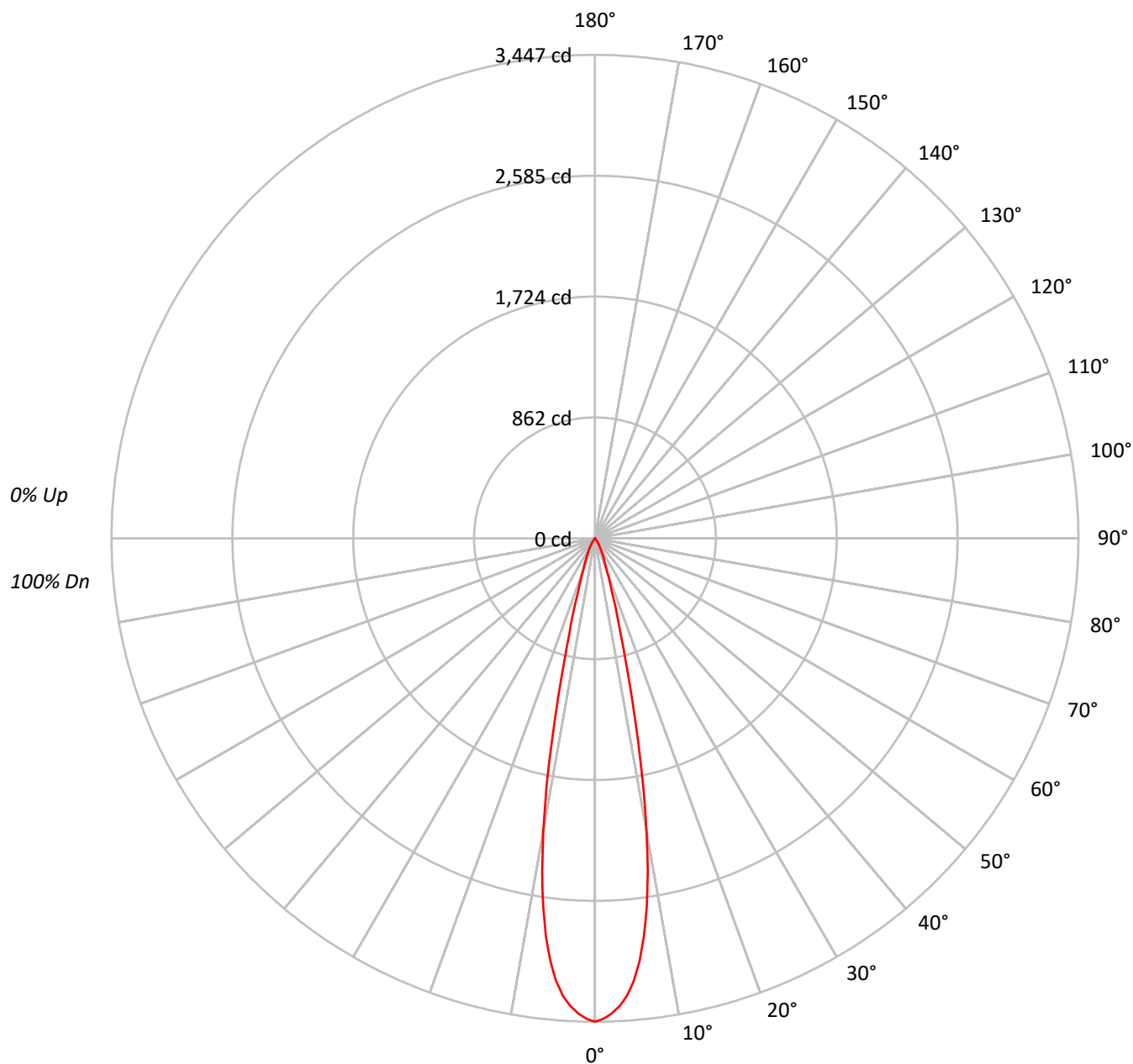
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P222895

CATALOG NUMBER: LSSQ2B05NFL259027D010 2LBDC*MB

Luminous Intensity Polar Plot





TEST NUMBER: P222895

CATALOG NUMBER: LSSQ2B05NFL259027D010 2LBDC*MB

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	113	112	110		113	111	110	108		107	106	105		104	103	102		100	100	99
2	112	109	106	104		110	107	104	102		104	102	100		101	99	98		98	97	96
3	109	105	101	99		107	103	100	98		101	98	96		99	97	95		96	95	93
4	106	101	97	95		104	100	97	94		98	95	93		96	94	92		95	93	91
5	103	98	94	91		102	97	94	91		95	92	90		94	91	89		93	90	89
6	101	95	91	89		99	94	91	88		93	90	88		92	89	87		91	88	87
7	98	92	89	86		97	92	88	86		91	88	85		90	87	85		89	86	85
8	96	90	86	84		95	90	86	84		89	86	83		88	85	83		87	85	83
9	94	88	84	82		93	88	84	82		87	84	82		86	83	81		85	83	81
10	92	86	82	80		91	86	82	80		85	82	80		84	82	80		84	81	79

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1335143
5°	1232733
10°	834392
15°	283875
20°	104247
25°	55261
30°	28402
35°	13240
40°	4349
45°	2191
50°	1024
55°	405
60°	465
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P222895

CATALOG NUMBER: LSSQ2B05NFL259027D010 2LBDC*MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.7	46.4
10°-20°	226.8	39.0
20°-30°	62.2	10.7
30°-40°	18.1	3.1
40°-50°	3.4	0.6
50°-60°	0.8	0.1
60°-70°	0.1	0.0
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°	558.7	96.2
0°-40°	576.8	99.3
0°-60°	580.9	100.0
0°-90°	581.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	581.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3447	
5°	3170	270
15°	708	227
25°	129	62
35°	28	18
45°	4	3
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P222895

CATALOG NUMBER: LSSQ2B05NFL259027D010 2LBDC*MB

CANDELA DISTRIBUTION (FULL):

	0°
0°	3446.9
1°	3426.8
2°	3391.3
3°	3340.4
4°	3270.6
5°	3170.4
6°	3033.7
7°	2862.6
8°	2653.7
9°	2407.0
10°	2121.4
11°	1808.4
12°	1482.8
13°	1172.0
14°	907.1
15°	707.9
17.5°	399.5
20°	252.9
22.5°	180.3
25°	129.3
27.5°	91.6
30°	63.5
32.5°	44.6
35°	28.0
37.5°	11.4
40°	8.6
42.5°	6.3
45°	4.0
47.5°	2.3
50°	1.7
52.5°	1.1
55°	0.6
57.5°	0.6
60°	0.6
62.5°	0.0
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



TEST NUMBER: P222895

CATALOG NUMBER: LSSQ2B05NFL259027D010 2LBDC*MB

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)