

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: P225009

Luminaire Tested: **LSSQ2B05FL409040D010 2LBD*WMH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225009
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14830)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQ2B05FL409040D010 2LBD*WMH
Description: 500 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
SPUN ROUND TRIM WITH WHEAT METALLIC HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 616.0 lumens
Efficiency: N/A
Efficacy: 84.4 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

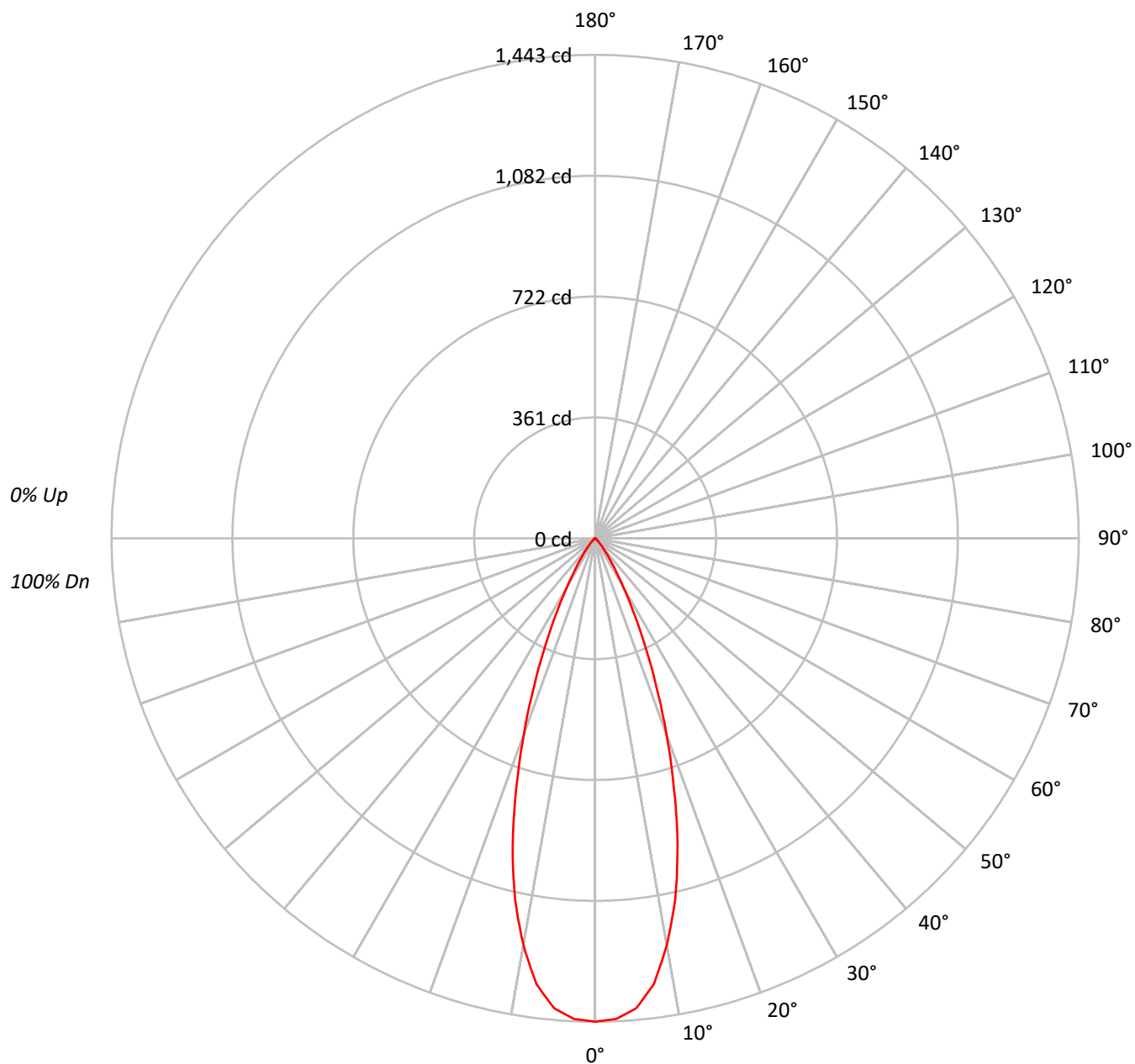
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P225009

CATALOG NUMBER: LSSQ2B05FL409040D010 2LBD*WMH

Luminous Intensity Polar Plot





TEST NUMBER: P225009

CATALOG NUMBER: LSSQ2B05FL409040D010 2LBD*WMH

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	114	112	110	108		112	110	108	106		106	104	103		102	101	100		99	98	97
2	110	106	102	100		108	104	101	98		101	98	96		98	96	94		95	94	92
3	106	100	96	93		104	99	95	92		96	93	91		94	91	89		92	90	88
4	102	95	91	87		100	94	90	87		92	89	86		90	87	85		88	86	84
5	98	91	86	82		96	90	85	82		88	84	81		87	83	81		85	82	80
6	94	87	82	78		93	86	81	78		85	81	77		83	80	77		82	79	77
7	91	83	78	75		89	82	78	74		81	77	74		80	76	74		79	76	73
8	87	79	75	71		86	79	74	71		78	74	71		77	73	71		76	73	70
9	84	76	71	68		83	76	71	68		75	71	68		74	70	68		73	70	67
10	81	73	69	65		80	73	68	65		72	68	65		72	68	65		71	67	65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	558979
5°	547428
10°	484965
15°	381080
20°	256227
25°	148860
30°	74381
35°	35086
40°	16585
45°	7286
50°	3736
55°	2093
60°	1240
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P225009

CATALOG NUMBER: LSSQ2B05FL409040D010 2LBD*WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.8	20.9
10°-20°	257.8	41.8
20°-30°	162.9	26.5
30°-40°	51.0	8.3
40°-50°	11.8	1.9
50°-60°	3.1	0.5
60°-70°	0.6	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°	549.5	89.2
0°-40°	600.5	97.5
0°-60°	615.4	99.9
0°-90°	616.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	616.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1443	
5°	1408	129
15°	950	258
25°	348	163
35°	74	51
45°	13	12
55°	3	3
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P225009

CATALOG NUMBER: LSSQ2B05FL409040D010 2LBD*WMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1443.1
2.5°	1436.1
5°	1407.9
7.5°	1341.6
10°	1233.0
12.5°	1104.2
15°	950.3
17.5°	782.5
20°	621.6
22.5°	473.2
25°	348.3
27.5°	246.0
30°	166.3
32.5°	110.9
35°	74.2
37.5°	50.0
40°	32.8
42.5°	20.3
45°	13.3
47.5°	9.4
50°	6.2
52.5°	4.7
55°	3.1
57.5°	2.3
60°	1.6
62.5°	1.6
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



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)