

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: P225481

Luminaire Tested: **LSSQ2B05FL409730D010 2LBDL*H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225481
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14832)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQ2B05FL409730D010 2LBDL*H
Description: 500 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 532.0 lumens
Efficiency: N/A
Efficacy: 72.9 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.6
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

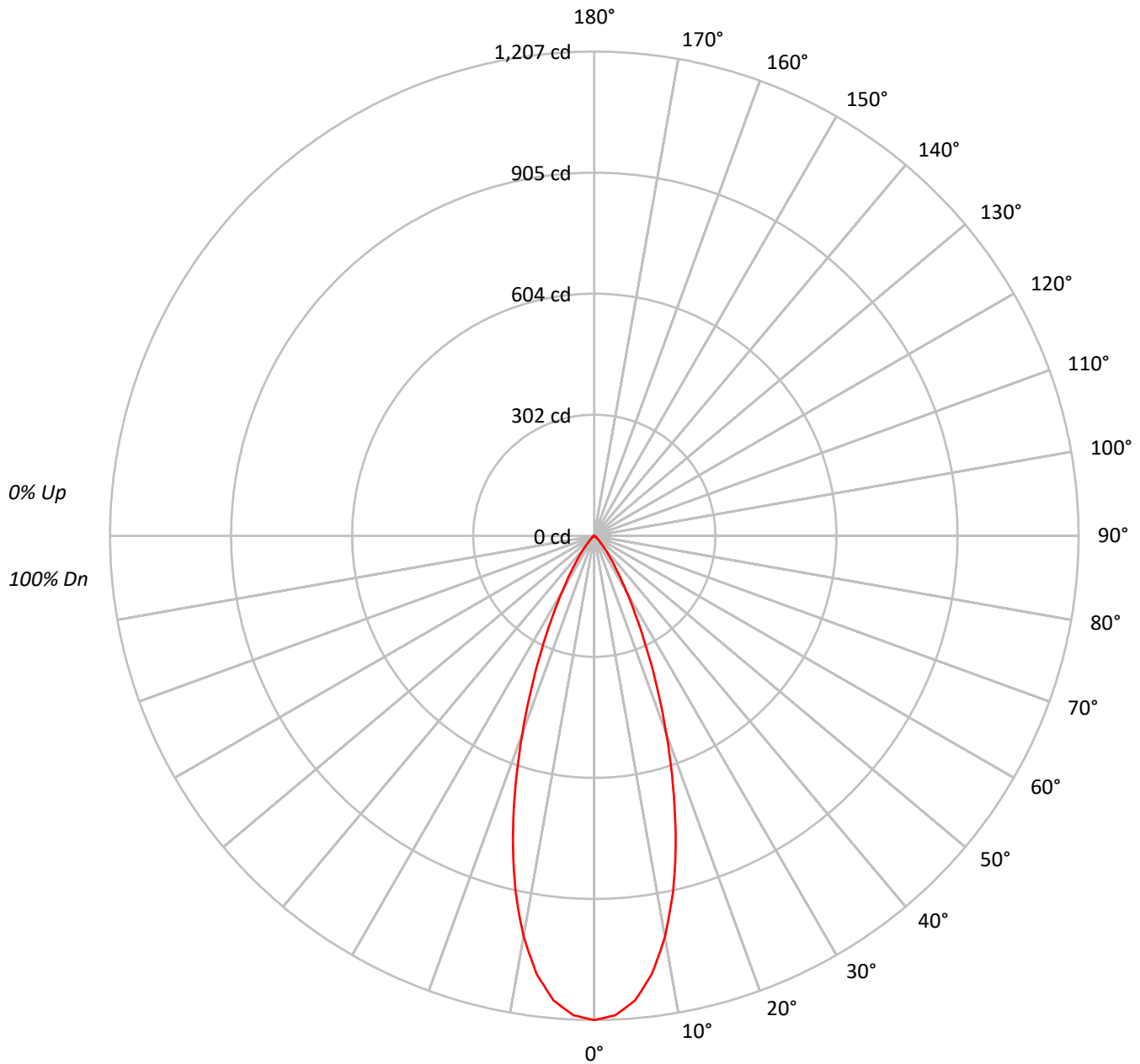
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	105	102	99		108	104	101	98		101	98	96		98	96	94		95	93	92
3	105	100	96	92		103	98	95	91		96	93	90		94	91	89		91	89	87
4	101	95	90	86		99	94	89	86		91	88	85		90	86	84		88	85	83
5	97	90	85	81		96	89	84	81		87	83	80		86	82	80		84	81	79
6	93	86	81	77		92	85	80	77		84	79	76		82	79	76		81	78	75
7	90	82	77	73		88	81	76	73		80	76	73		79	75	72		78	75	72
8	86	78	73	70		85	78	73	70		77	72	69		76	72	69		75	71	69
9	83	75	70	67		82	75	70	67		74	69	66		73	69	66		72	69	66
10	80	72	67	64		79	72	67	64		71	67	64		70	66	64		70	66	63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	467643
5°	452088
10°	398867
15°	314272
20°	215954
25°	130396
30°	70668
35°	36316
40°	17748
45°	8436
50°	4399
55°	2971
60°	1704
65°	642
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.2	20.0
10°-20°	213.3	40.1
20°-30°	142.5	26.8
30°-40°	51.6	9.7
40°-50°	13.3	2.5
50°-60°	4.0	0.7
60°-70°	1.0	0.2
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°	462.1	86.9
0°-40°	513.7	96.6
0°-60°	531.0	99.8
0°-90°	532.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	532.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1207	
5°	1163	106
15°	784	213
25°	305	143
35°	77	52
45°	15	13
55°	4	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1207.3
2.5°	1196.3
5°	1162.7
7.5°	1101.2
10°	1014.1
12.5°	907.3
15°	783.7
17.5°	652.0
20°	523.9
22.5°	406.1
25°	305.1
27.5°	222.4
30°	158.0
32.5°	111.2
35°	76.8
37.5°	53.4
40°	35.1
42.5°	22.7
45°	15.4
47.5°	11.0
50°	7.3
52.5°	5.9
55°	4.4
57.5°	2.9
60°	2.2
62.5°	1.5
65°	0.7
67.5°	0.7
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)