

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: P#

Luminaire Tested: **LSR2B20WFL559040D010 2LBDL*LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29153)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B20WFL559040D010 2LBDL*LI
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

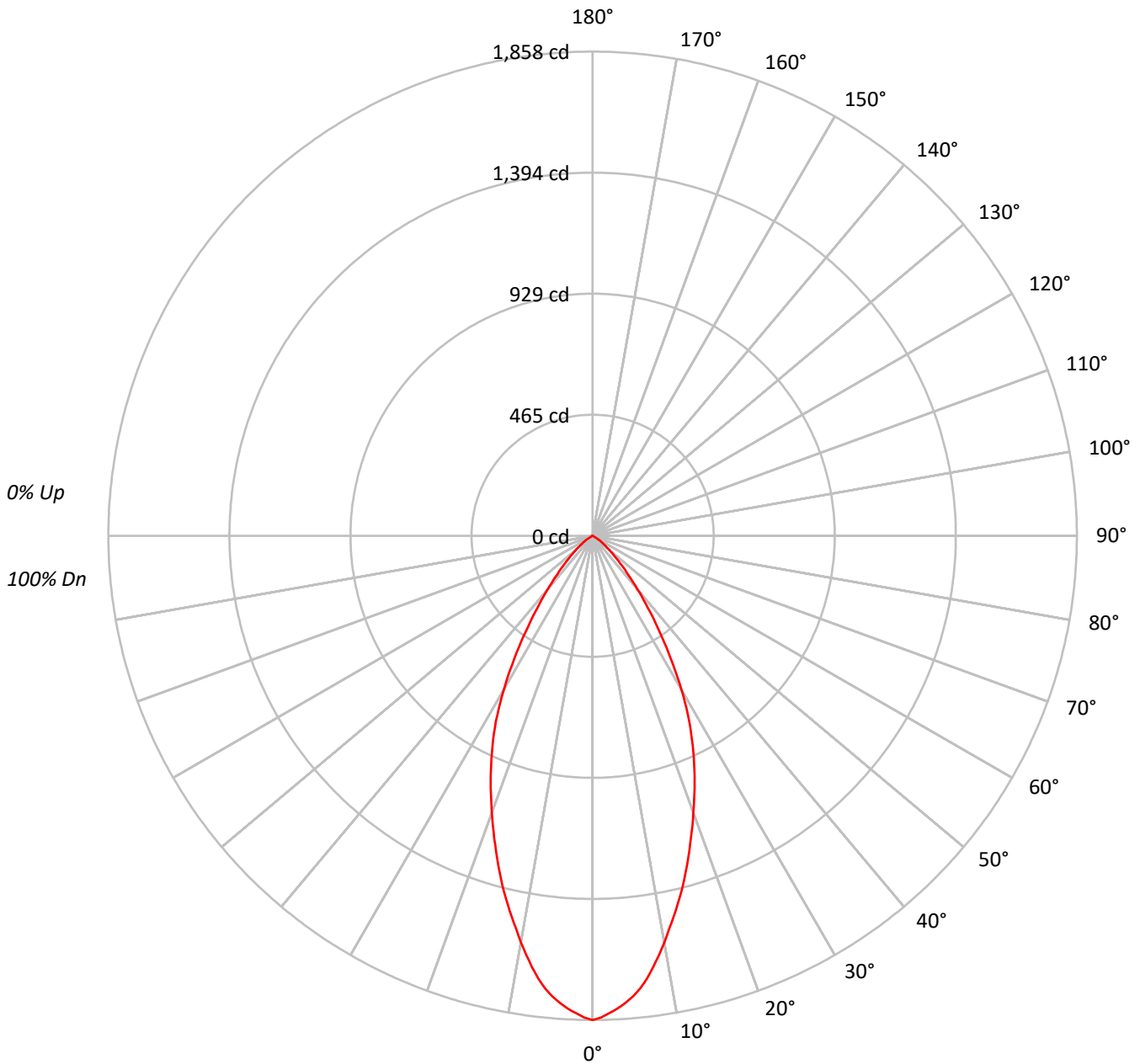
Lumens per Lamp: N/A
Luminaire Lumens: 1397.9 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.8
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 20.9
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																	
RC	80									50									30									10									0								
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	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	102	102	102	100																											
1	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93																											
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																											
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																											
4	97	89	84	79	95	88	83	79	86	81	78	84	80	77	82	79	76	75																											
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69																											
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65																											
7	83	73	67	63	82	73	67	63	72	66	63	70	66	62	69	65	62	61																											
8	79	69	63	59	78	69	63	59	68	62	59	66	62	58	66	61	58	57																											
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53																											
10	72	62	56	52	71	61	56	52	61	55	52	60	55	52	59	55	52	50																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	719844
5°	690010
10°	623178
15°	545975
20°	465833
25°	390762
30°	304814
35°	210140
40°	134956
45°	81675
50°	47907
55°	26878
60°	7669
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.2	11.7
10°-20°	378.4	27.1
20°-30°	415.9	29.7
30°-40°	281.4	20.1
40°-50°	120.6	8.6
50°-60°	36.9	2.6
60°-70°	1.5	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°	957.5	68.5
0°-40°	1238.9	88.6
0°-60°	1396.4	99.9
0°-90°	1397.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1397.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1858	
5°	1775	163
15°	1362	378
25°	914	416
35°	444	281
45°	149	121
55°	40	37
65°	0	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1858.4
1°	1848.4
2°	1832.8
3°	1817.2
4°	1797.3
5°	1774.6
6°	1746.2
7°	1712.1
8°	1671.0
9°	1628.4
10°	1584.4
11°	1537.5
12°	1494.9
13°	1450.9
14°	1406.9
15°	1361.5
17.5°	1243.6
20°	1130.1
22.5°	1022.2
25°	914.3
27.5°	803.5
30°	681.5
32.5°	557.9
35°	444.4
37.5°	347.8
40°	266.9
42.5°	201.6
45°	149.1
47.5°	109.3
50°	79.5
52.5°	56.8
55°	39.8
57.5°	25.6
60°	9.9
62.5°	1.4
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



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



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— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)