

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: P204093

Luminaire Tested: **LSR6B40D010BZ EC6B30509035 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204093
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR6B40D010BZ EC6B30509035 6LBNMW1
Description: PORTFOLIO 6IN CYLINDER
NARROW DISTRIBUTION WITH MATTE WHITE TRIM
WATTAGE D010TR-43.02 W DE010-42.54 W D5LT-42.539 W DMX-41.87 W DL2-41.57
W DL3-44.71 W DLE-39.33 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2612.1 lumens
Efficiency: N/A
Efficacy: 62.5 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

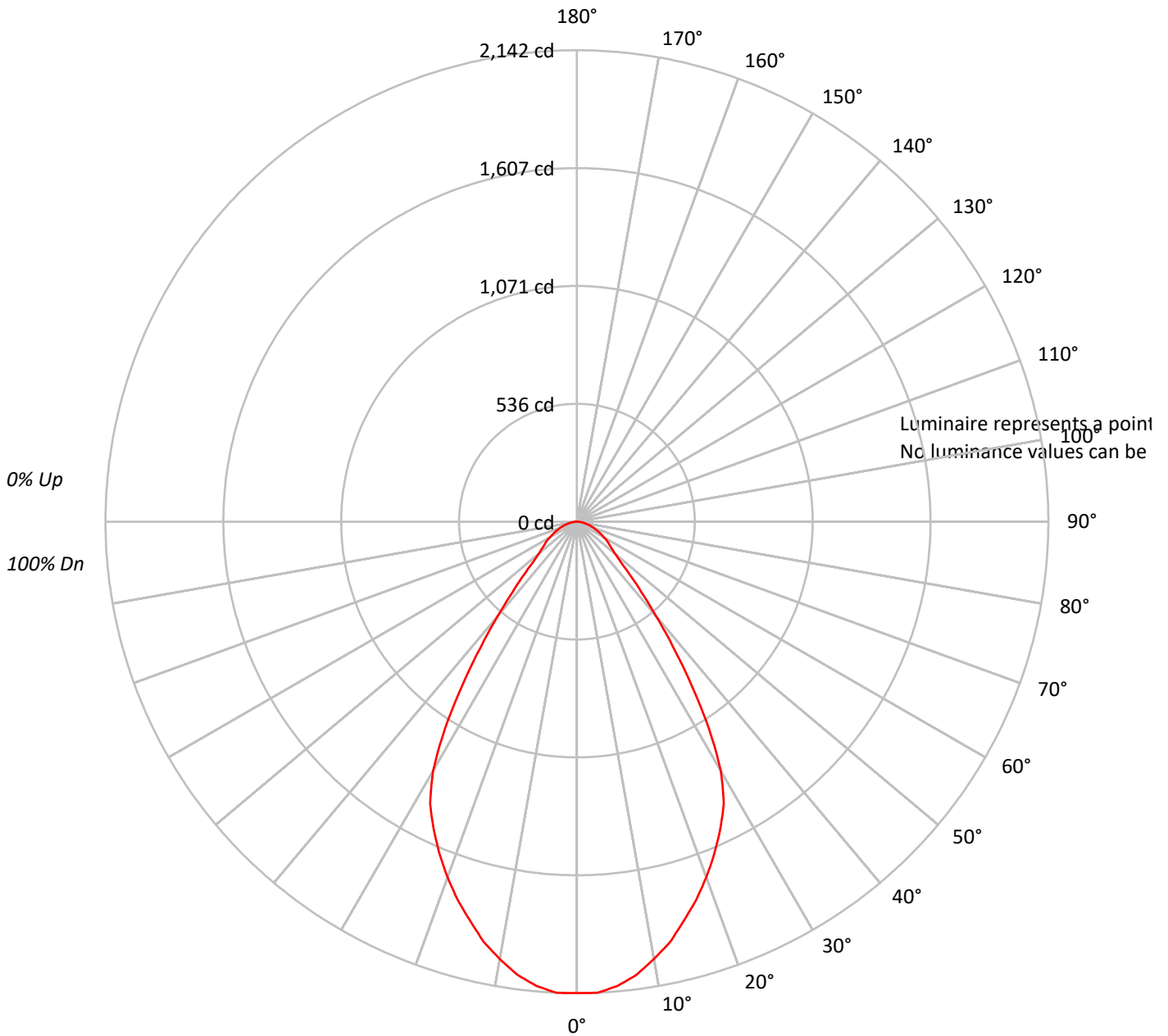
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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									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	112	108	105	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90																																				
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81																																				
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73																																				
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66																																				
5	87	77	70	64	85	76	69	64	74	68	64	72	67	63	70	66	62	61																																				
6	81	71	64	59	80	70	63	59	68	63	58	67	62	58	66	61	57	56																																				
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51																																				
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47																																				
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44																																				
10	65	54	47	43	64	54	47	43	53	47	43	52	46	43	51	46	43	41																																				

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.9	7.6
10°-20°	527.3	20.2
20°-30°	703.9	26.9
30°-40°	567.9	21.7
40°-50°	272.2	10.4
50°-60°	161.3	6.2
60°-70°	107.2	4.1
70°-80°	57.5	2.2
80°-90°	15.8	0.6
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°	1430.1	54.8
0°-40°	1998.1	76.5
0°-60°	2431.6	93.1
0°-90°	2612.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2612.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2142	
5°	2117	199
15°	1876	527
25°	1540	704
35°	909	568
45°	336	272
55°	178	161
65°	108	107
75°	54	57
85°	12	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2142.2
2.5°	2142.2
5°	2117.3
7.5°	2075.8
10°	2017.7
12.5°	1955.4
15°	1876.5
17.5°	1801.8
20°	1718.7
22.5°	1631.6
25°	1540.2
27.5°	1444.7
30°	1307.7
32.5°	1116.8
35°	909.2
37.5°	718.2
40°	556.3
42.5°	431.8
45°	336.3
47.5°	265.7
50°	224.2
52.5°	199.3
55°	178.5
57.5°	161.9
60°	141.2
62.5°	124.5
65°	107.9
67.5°	91.3
70°	78.9
72.5°	66.4
75°	54.0
77.5°	41.5
80°	33.2
82.5°	24.9
85°	12.5
87.5°	4.2
90°	0.0



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— 0°-180°







(END OF REPORT)