

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: P205221

Luminaire Tested: **LSR6B40D010BZ EC6B30509027 6LBWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205221
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 EC6B30509027 6LBWL1
Description: PORTFOLIO 6IN CYLINDER
WIDE DISTRIBUTION WITH SPECULAR CLEAR 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: 3467.5 lumens
Efficiency: N/A
Efficacy: 83.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

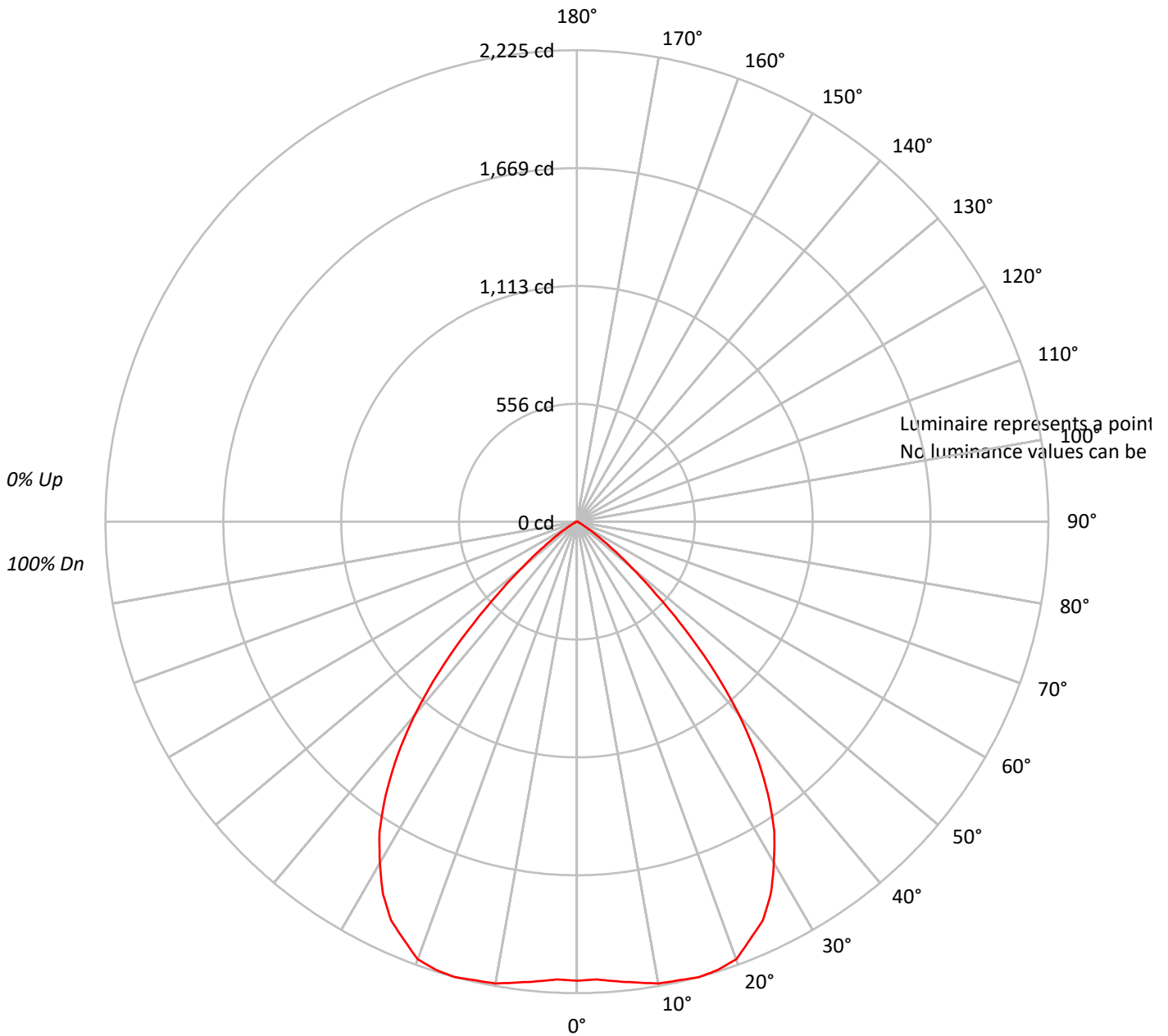
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0																					
RCR																																																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			100																	
1	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92																			92																	
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83																			83																	
3	100	92	87	82	97	91	86	81	88	84	80	86	82	79	83	80	77	76																			76																	
4	93	85	78	73	92	84	78	73	81	76	72	79	75	71	77	74	70	69																			69																	
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63																			63																	
6	82	72	65	60	81	71	65	60	70	64	59	68	63	59	67	62	59	57																			57																	
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52																			52																	
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48																			48																	
9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	46	44																			44																	
10	65	54	47	43	64	53	47	42	52	46	42	51	46	42	51	46	42	41																			41																	

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.0	6.0
10°-20°	628.1	18.1
20°-30°	946.9	27.3
30°-40°	969.1	27.9
40°-50°	564.6	16.3
50°-60°	129.7	3.7
60°-70°	16.0	0.5
70°-80°	4.1	0.1
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°	1784.0	51.4
0°-40°	2753.1	79.4
0°-60°	3447.4	99.4
0°-90°	3467.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3467.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2166	
5°	2178	209
15°	2225	628
25°	2076	947
35°	1573	969
45°	727	565
55°	126	130
65°	12	16
75°	4	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2166.2
2.5°	2162.3
5°	2178.0
7.5°	2193.7
10°	2213.4
12.5°	2217.3
15°	2225.2
17.5°	2217.3
20°	2197.7
22.5°	2134.8
25°	2075.8
27.5°	1981.4
30°	1859.6
32.5°	1733.8
35°	1572.6
37.5°	1391.7
40°	1191.2
42.5°	967.1
45°	727.3
47.5°	507.2
50°	334.2
52.5°	212.3
55°	125.8
57.5°	66.8
60°	35.4
62.5°	19.7
65°	11.8
67.5°	11.8
70°	7.9
72.5°	3.9
75°	3.9
77.5°	3.9
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)