

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: P202961

Luminaire Tested: **LSR6B40D010BZ EC6B30509040 6LBWGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202961
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 EC6B30509040 6LBWGPH1
Description: PORTFOLIO 6IN CYLINDER
WIDE DISTRIBUTIONWITH GRAPHITE HAZE 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: 2413.0 lumens
Efficiency: N/A
Efficacy: 57.7 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.11
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

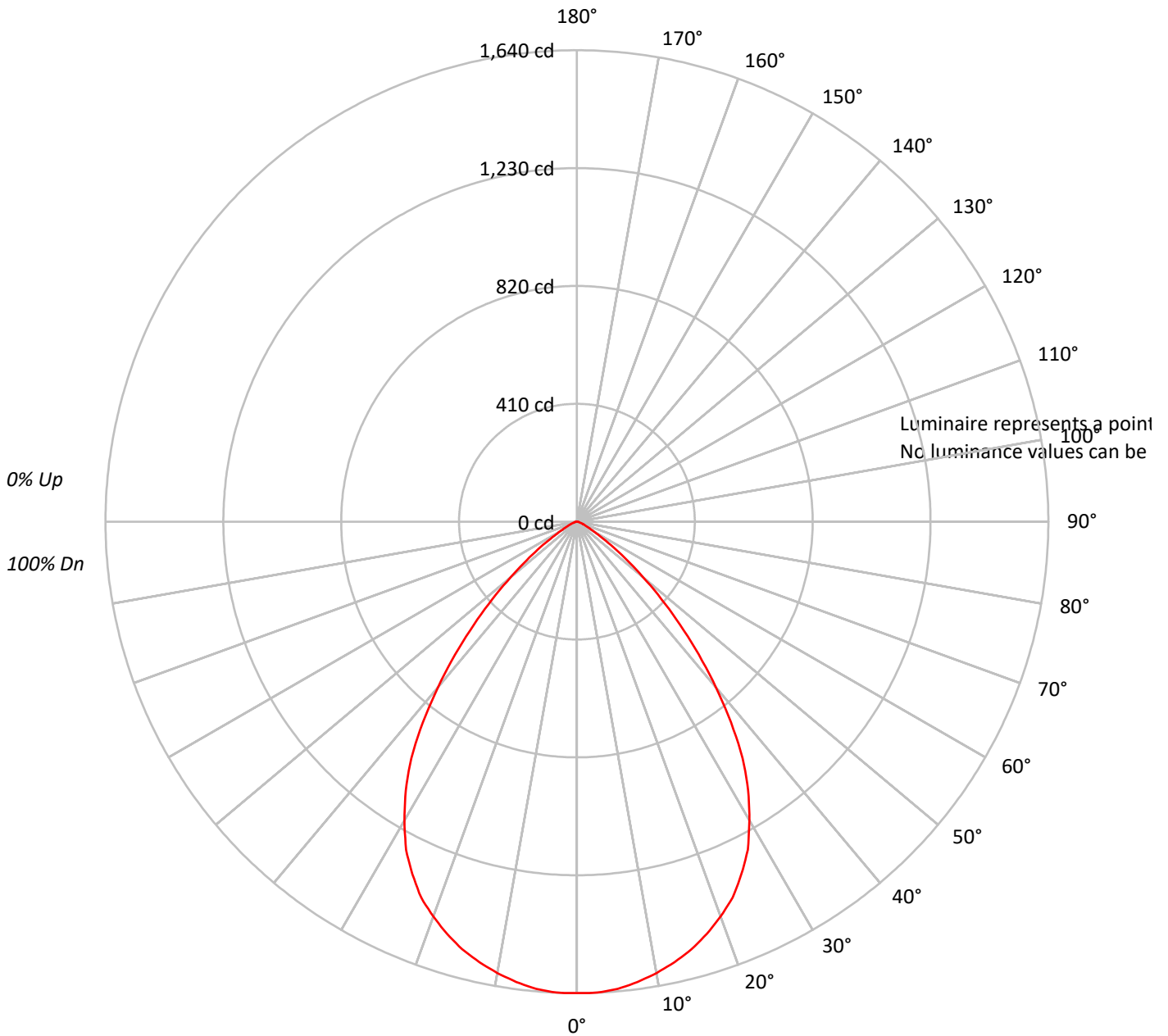
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	74		
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	59	80	70	63	59	68	62	58	67	62	58	65	61	57	56		
7	76	65	58	53	75	65	58	53	63	57	53	62	57	53	61	56	52	51		
8	72	61	54	49	70	60	53	49	59	53	49	58	52	48	57	52	48	47		
9	68	57	50	45	66	56	49	45	55	49	45	54	48	45	53	48	44	43		
10	64	53	46	42	63	52	46	42	51	45	41	51	45	41	50	45	41	40		

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.5	6.4
10°-20°	433.3	18.0
20°-30°	619.9	25.7
30°-40°	617.9	25.6
40°-50°	393.5	16.3
50°-60°	145.1	6.0
60°-70°	36.3	1.5
70°-80°	10.9	0.5
80°-90°	1.7	0.1
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°	1207.6	50.0
0°-40°	1825.5	75.7
0°-60°	2364.1	98.0
0°-90°	2413.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2413.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1640	
5°	1632	155
15°	1540	433
25°	1354	620
35°	1005	618
45°	506	393
55°	154	145
65°	33	36
75°	8	11
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1640.0
2.5°	1640.0
5°	1631.7
7.5°	1615.1
10°	1594.3
12.5°	1569.4
15°	1540.4
17.5°	1503.0
20°	1461.5
22.5°	1415.8
25°	1353.5
27.5°	1287.1
30°	1199.9
32.5°	1108.6
35°	1004.8
37.5°	880.2
40°	751.5
42.5°	626.9
45°	506.5
47.5°	398.6
50°	298.9
52.5°	220.1
55°	153.6
57.5°	99.6
60°	66.4
62.5°	45.7
65°	33.2
67.5°	24.9
70°	20.8
72.5°	12.5
75°	8.3
77.5°	8.3
80°	4.2
82.5°	4.2
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)