

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: P205429

Luminaire Tested: **LSR6B40D010BZ EC6B30509050 6LBSLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205429
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 EC6B30509050 6LBSL11
Description: PORTFOLIO 6IN CYLINDER
SHALLOW 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: 3925.2 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

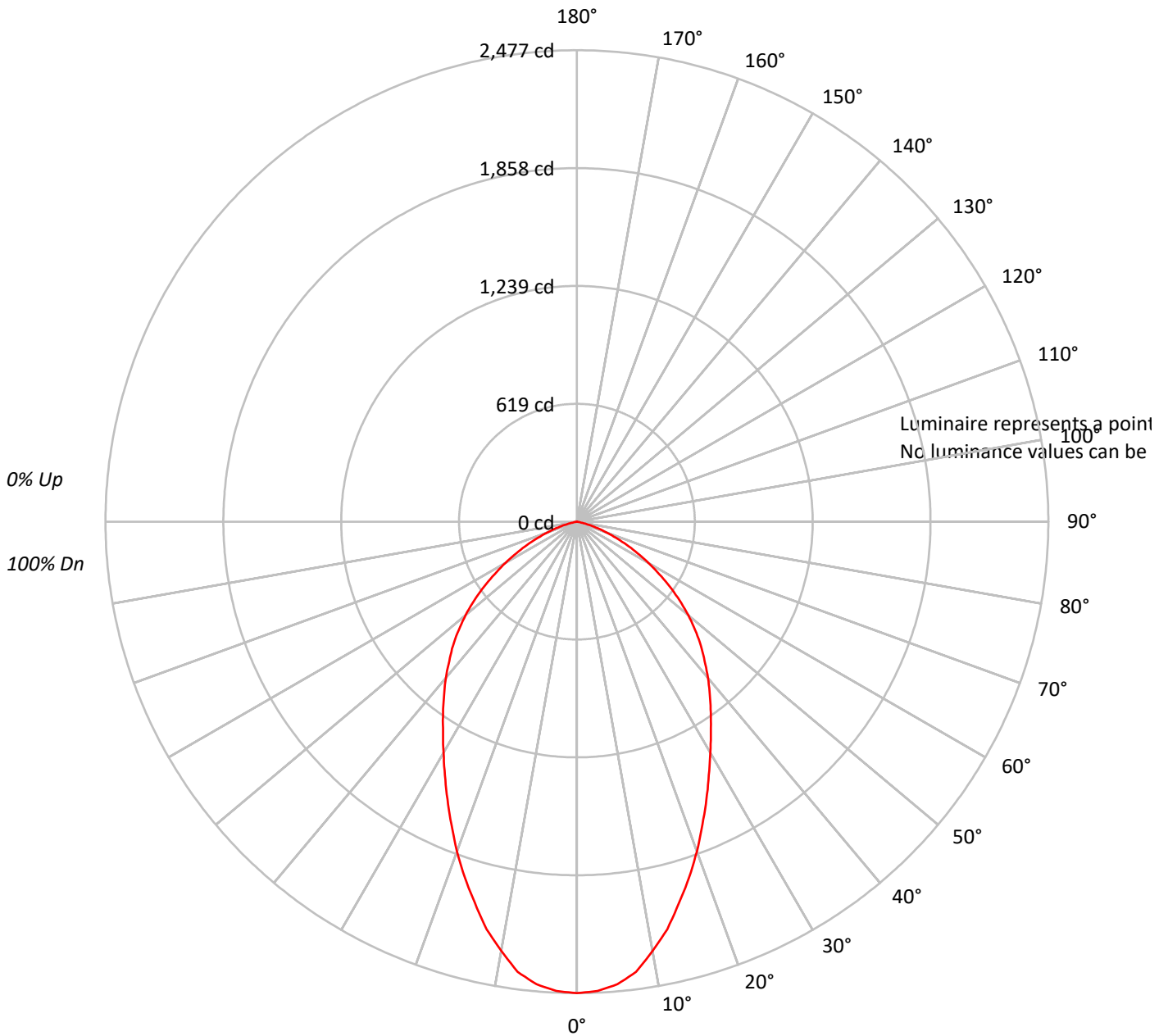
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89			
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77			
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68			
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60			
5	82	71	63	57	80	70	62	57	67	61	56	66	60	55	64	59	55	53			
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47			
7	71	59	51	46	70	58	51	45	57	50	45	55	49	45	54	49	45	43			
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39			
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36			
10	59	47	40	35	58	46	39	35	45	39	35	45	39	34	44	38	34	33			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.3	5.8
10°-20°	581.1	14.8
20°-30°	741.0	18.9
30°-40°	768.5	19.6
40°-50°	708.1	18.0
50°-60°	532.6	13.6
60°-70°	287.5	7.3
70°-80°	77.1	2.0
80°-90°	1.1	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°	1550.3	39.5
0°-40°	2318.8	59.1
0°-60°	3559.4	90.7
0°-90°	3925.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3925.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2477	
5°	2440	228
15°	2072	581
25°	1610	741
35°	1226	768
45°	922	708
55°	596	533
65°	288	287
75°	67	77
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2477.0
2.5°	2468.7
5°	2439.5
7.5°	2385.3
10°	2289.3
12.5°	2193.4
15°	2072.5
17.5°	1959.9
20°	1843.2
22.5°	1722.2
25°	1609.6
27.5°	1501.2
30°	1401.1
32.5°	1309.4
35°	1226.0
37.5°	1146.8
40°	1071.7
42.5°	992.5
45°	921.6
47.5°	842.3
50°	763.1
52.5°	679.7
55°	596.3
57.5°	512.9
60°	433.7
62.5°	358.6
65°	287.7
67.5°	221.0
70°	162.6
72.5°	112.6
75°	66.7
77.5°	29.2
80°	8.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)