

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: P204400

Luminaire Tested: **LSR6B40D010BZ EC6B30509027 6LBSGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204400
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 6LBSGPH1
Description: PORTFOLIO 6IN CYLINDER
SHALLOW DISTRIBUTION WITH 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: 3278.8 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.26
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

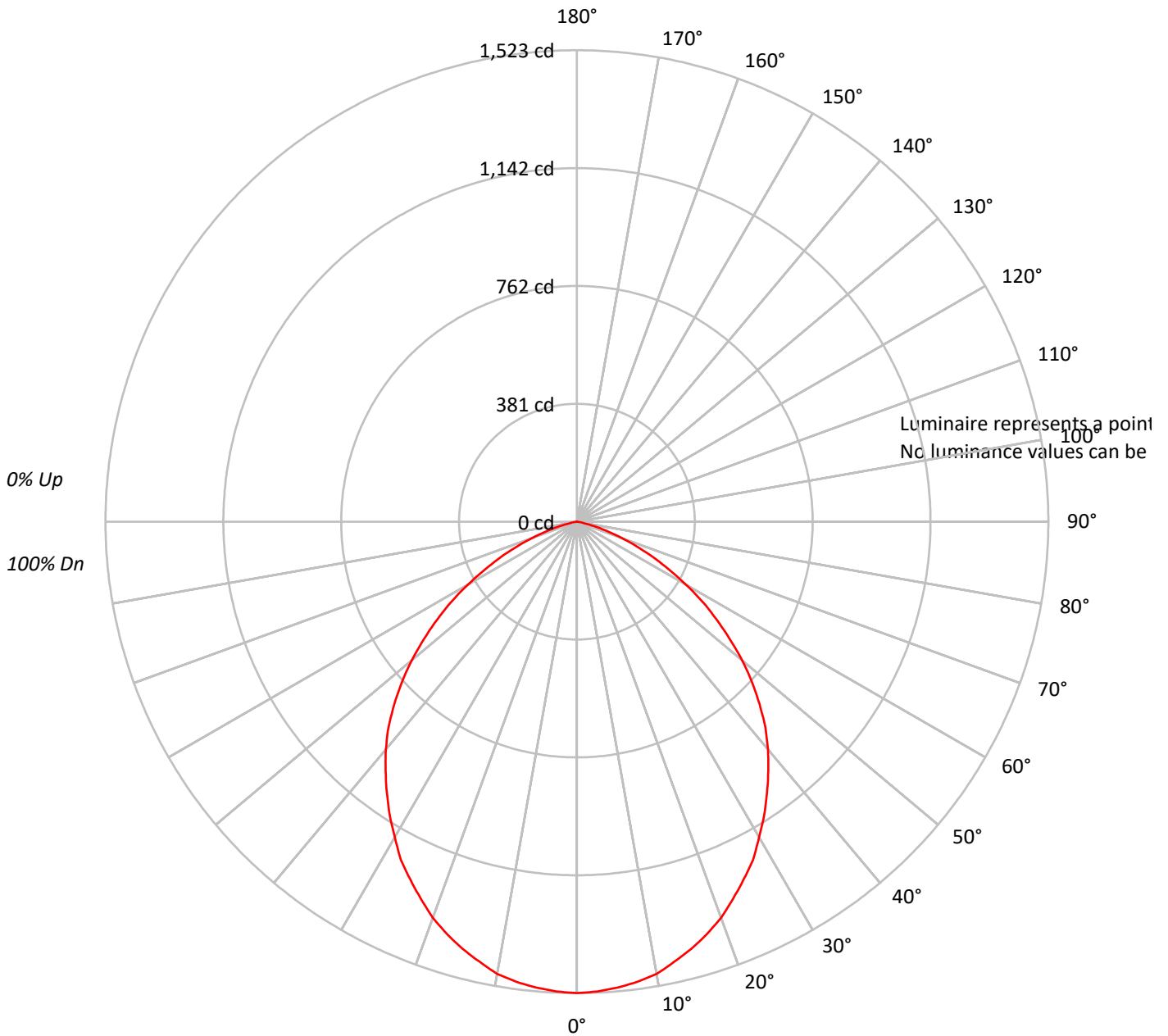
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100																
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	91	90	88			88																
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76			76																
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66			66																
4	87	76	68	62	85	75	67	62	72	66	61	70	65	60	68	63	59	57			57																
5	80	68	60	54	78	67	60	54	65	59	53	63	58	53	62	56	52	50			50																
6	74	62	54	48	73	61	53	48	59	52	47	58	52	47	56	51	47	45			45																
7	69	57	48	43	68	56	48	43	54	47	42	53	47	42	52	46	42	40			40																
8	65	52	44	38	63	51	44	38	50	43	38	49	42	38	48	42	38	36			36																
9	60	48	40	35	59	47	40	35	46	39	35	45	39	34	44	38	34	32			32																
10	57	44	37	32	56	44	36	32	43	36	31	42	36	31	41	35	31	30			30																

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.4	4.4
10°-20°	402.5	12.3
20°-30°	587.0	17.9
30°-40°	669.4	20.4
40°-50°	642.1	19.6
50°-60°	491.8	15.0
60°-70°	269.9	8.2
70°-80°	71.8	2.2
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°	1132.8	34.6
0°-40°	1802.2	55.0
0°-60°	2936.1	89.5
0°-90°	3278.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3278.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1523	
5°	1511	143
15°	1428	402
25°	1275	587
35°	1070	669
45°	834	642
55°	551	492
65°	272	270
75°	63	72
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1522.8
2.5°	1518.9
5°	1511.0
7.5°	1499.2
10°	1483.5
12.5°	1455.9
15°	1428.4
17.5°	1396.9
20°	1361.5
22.5°	1318.2
25°	1274.9
27.5°	1231.7
30°	1176.6
32.5°	1125.4
35°	1070.3
37.5°	1015.2
40°	960.1
42.5°	901.1
45°	834.2
47.5°	767.3
50°	696.5
52.5°	621.7
55°	550.9
57.5°	480.1
60°	405.3
62.5°	334.5
65°	271.5
67.5°	208.6
70°	153.5
72.5°	102.3
75°	63.0
77.5°	27.5
80°	7.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)