

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: P203888

Luminaire Tested: **LSR6B40D010BZ EC6B30509040 6LBNGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203888
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 6LBNGPH1
Description: PORTFOLIO 6IN CYLINDER
NARROW 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: 1823.3 lumens
Efficiency: N/A
Efficacy: 43.6 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.88
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

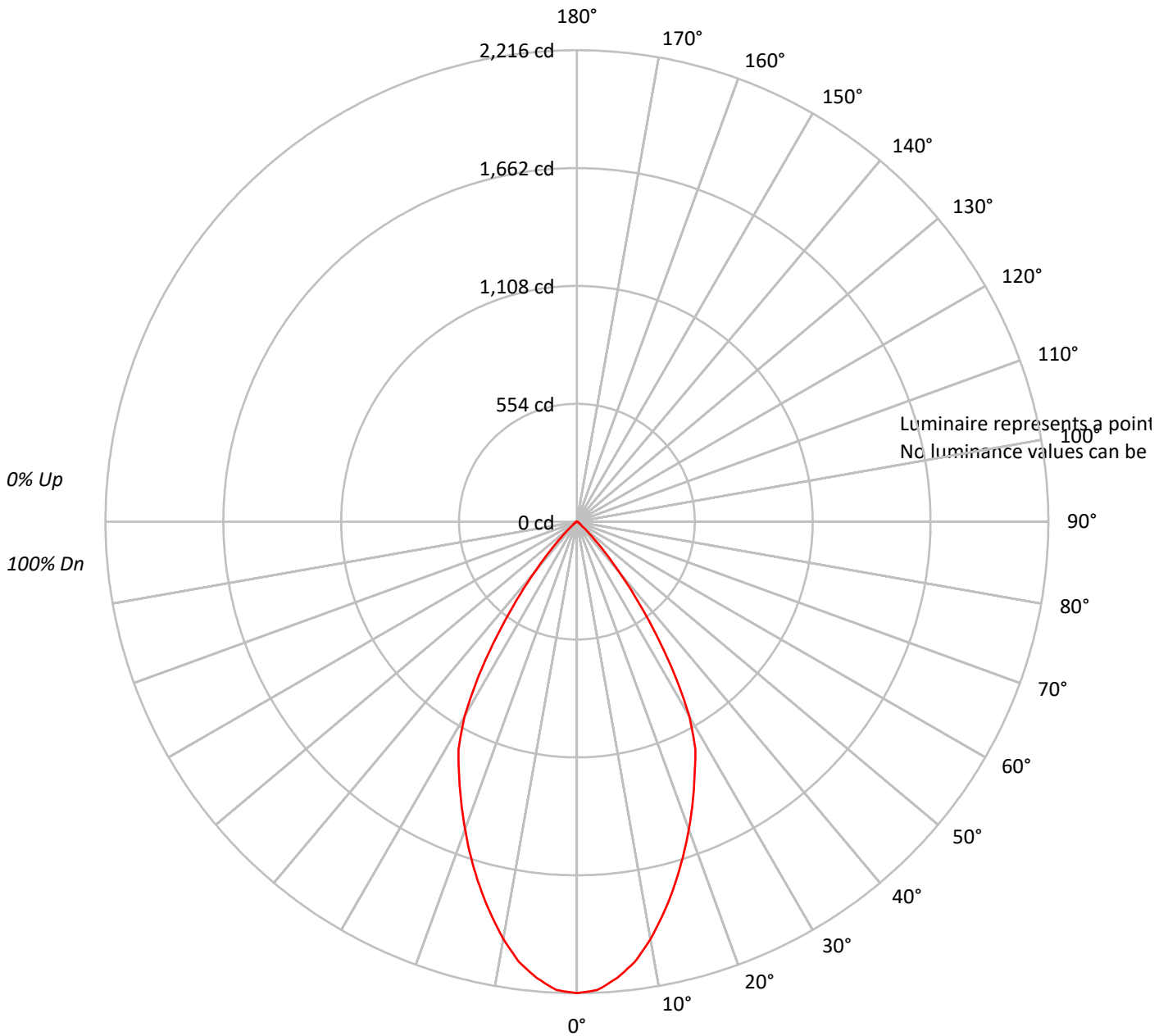
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203888

CATALOG NUMBER: LSR6B40D010BZ EC6B30509040 6LBNGPH1

Luminous Intensity Polar Plot





TEST NUMBER: P203888

CATALOG NUMBER: LSR6B40D010BZ EC6B30509040 6LBNGPH1

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																																			
	1	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94																																			
	2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	91	89	87																																			
	3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81																																			
	4	97	90	84	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76																																			
	5	93	84	78	74	91	83	78	74	82	77	73	80	76	73	78	75	72	70																																			
	6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66																																			
	7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62																																			
	8	79	70	64	60	78	69	64	60	68	63	60	67	63	59	66	62	59	58																																			
	9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54																																			
	10	72	63	57	53	71	62	57	53	61	56	53	61	56	53	60	55	52	51																																			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203888

CATALOG NUMBER: LSR6B40D010BZ EC6B30509040 6LBNGPH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.6	11.0
10°-20°	494.8	27.1
20°-30°	599.5	32.9
30°-40°	408.6	22.4
40°-50°	97.3	5.3
50°-60°	15.2	0.8
60°-70°	5.7	0.3
70°-80°	1.6	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°	1294.9	71.0
0°-40°	1703.5	93.4
0°-60°	1816.0	99.6
0°-90°	1823.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1823.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2216	
5°	2154	201
15°	1771	495
25°	1310	599
35°	653	409
45°	104	97
55°	17	15
65°	4	6
75°	0	2
85°	0	0
90°	0	



TEST NUMBER: P203888

CATALOG NUMBER: LSR6B40D010BZ EC6B30509040 6LBNGPH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	2216.2
2.5°	2203.7
5°	2153.8
7.5°	2087.3
10°	1991.7
12.5°	1883.6
15°	1771.3
17.5°	1654.9
20°	1538.4
22.5°	1422.0
25°	1309.8
27.5°	1205.8
30°	1056.1
32.5°	860.7
35°	652.8
37.5°	465.7
40°	307.7
42.5°	191.3
45°	103.9
47.5°	54.1
50°	29.1
52.5°	20.8
55°	16.6
57.5°	12.5
60°	8.3
62.5°	8.3
65°	4.2
67.5°	4.2
70°	4.2
72.5°	4.2
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)