

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: P205205

Luminaire Tested: **LSR6B30D010BZ EC6B30508035 6LBWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205205
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: LSR6B30D010BZ EC6B30508035 6LBWLI1
Description: PORTFOLIO 6IN CYLINDER
WIDE DISTRIBUTION WITH SPECULAR CLEAR TRIM
WATTAGE D010TR-27.4 W DE010-27.95 W D5LT-27.65 W DMX-27.73 W DL2-29.56 W
DL3-29.67 W DLE-29.73 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3060.0 lumens
Efficiency: N/A
Efficacy: 109.3 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

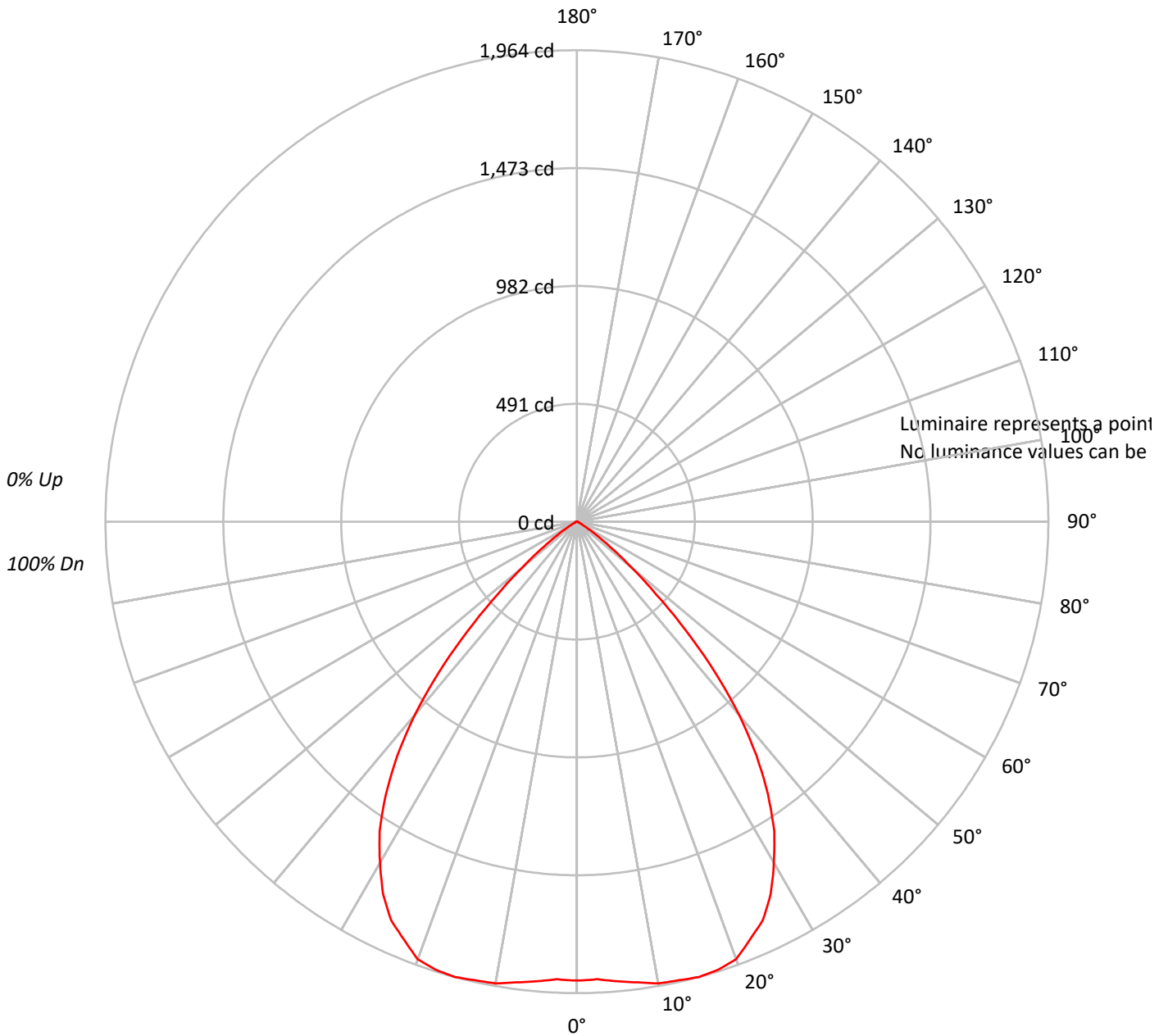
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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									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	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	43	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°	184.4	6.0
10°-20°	554.3	18.1
20°-30°	835.6	27.3
30°-40°	855.3	27.9
40°-50°	498.2	16.3
50°-60°	114.5	3.7
60°-70°	14.1	0.5
70°-80°	3.7	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°	1574.3	51.4
0°-40°	2429.6	79.4
0°-60°	3042.3	99.4
0°-90°	3060.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3060.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1912	
5°	1922	184
15°	1964	554
25°	1832	836
35°	1388	855
45°	642	498
55°	111	114
65°	10	14
75°	4	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1911.7
2.5°	1908.2
5°	1922.1
7.5°	1935.9
10°	1953.3
12.5°	1956.8
15°	1963.7
17.5°	1956.8
20°	1939.4
22.5°	1883.9
25°	1831.9
27.5°	1748.6
30°	1641.0
32.5°	1530.0
35°	1387.8
37.5°	1228.2
40°	1051.2
42.5°	853.5
45°	641.8
47.5°	447.6
50°	294.9
52.5°	187.3
55°	111.0
57.5°	59.0
60°	31.2
62.5°	17.3
65°	10.4
67.5°	10.4
70°	6.9
72.5°	3.5
75°	3.5
77.5°	3.5
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)