

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: P205207

Luminaire Tested: **LSR6B30D010BZ EC6B30508050 6LBWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205207
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 EC6B30508050 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: 3091.3 lumens
Efficiency: N/A
Efficacy: 110.4 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

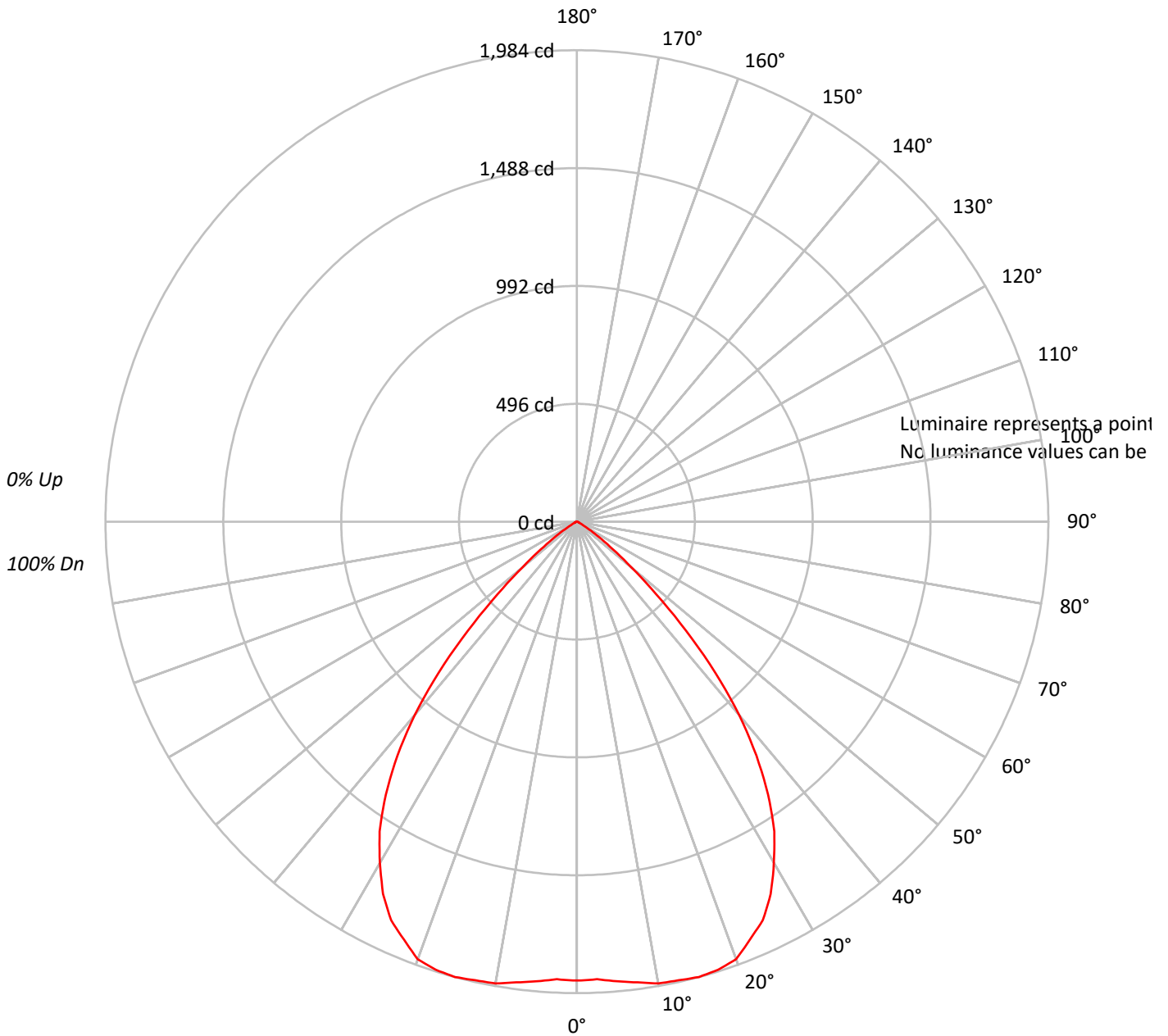
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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									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	0																
RCR																																														
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																												
1	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92																												
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83																												
3	100	92	87	82	97	91	86	81	88	84	80	86	82	79	83	80	77	76																												
4	93	85	78	73	92	84	78	73	81	76	72	79	75	71	77	74	70	69																												
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63																												
6	82	72	65	60	81	71	65	60	70	64	59	68	63	59	67	62	59	57																												
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52																												
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48																												
9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	46	44																												
10	65	54	47	43	64	53	47	43	52	46	42	51	46	42	51	46	42	41																												

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.3	6.0
10°-20°	560.0	18.1
20°-30°	844.1	27.3
30°-40°	864.0	27.9
40°-50°	503.3	16.3
50°-60°	115.7	3.7
60°-70°	14.2	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°	1590.4	51.4
0°-40°	2454.5	79.4
0°-60°	3073.5	99.4
0°-90°	3091.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3091.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1931	
5°	1942	186
15°	1984	560
25°	1851	844
35°	1402	864
45°	648	503
55°	112	116
65°	10	14
75°	4	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1931.2
2.5°	1927.7
5°	1941.7
7.5°	1955.8
10°	1973.3
12.5°	1976.8
15°	1983.8
17.5°	1976.8
20°	1959.3
22.5°	1903.2
25°	1850.6
27.5°	1766.5
30°	1657.8
32.5°	1545.7
35°	1402.0
37.5°	1240.8
40°	1062.0
42.5°	862.2
45°	648.4
47.5°	452.1
50°	297.9
52.5°	189.3
55°	112.2
57.5°	59.6
60°	31.5
62.5°	17.5
65°	10.5
67.5°	10.5
70°	7.0
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)