

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: P204594

Luminaire Tested: **LSR6B30D010BZ EC6B30509027 6LBSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204594
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 EC6B30509027 6LBSMW1
Description: PORTFOLIO 6IN CYLINDER
SHALLOW DISTRIBUTION WITH MATTE WHITE 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: 2636.2 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

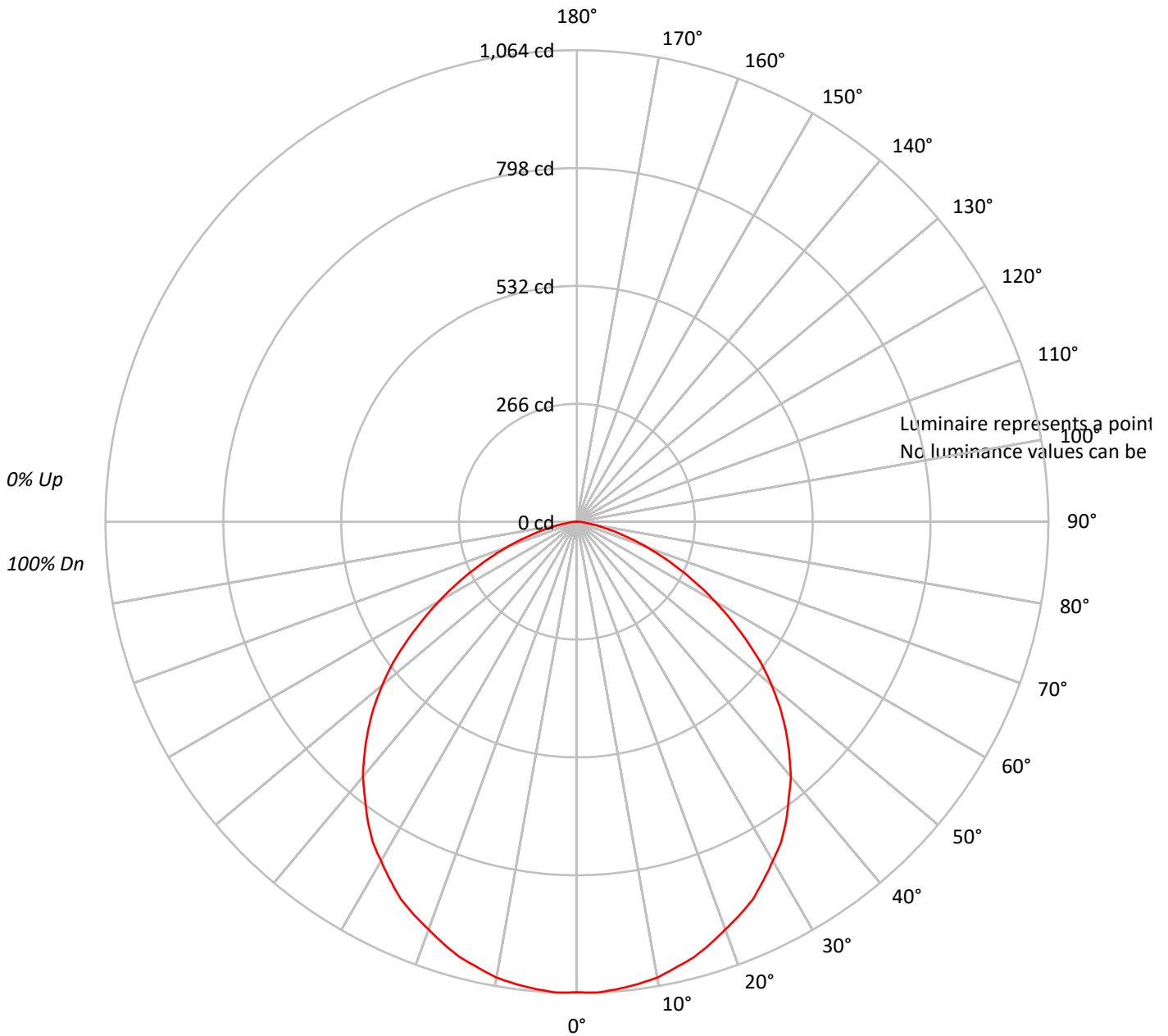
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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																			
1	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86																			
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74																			
3	93	83	75	69	90	81	74	69	78	72	67	76	70	66	73	69	65	63																			
4	85	74	66	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54																			
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	49	47																			
6	73	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42																			
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	43	39	37																			
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33																			
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30																			
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27																			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.6	3.8
10°-20°	286.9	10.9
20°-30°	432.0	16.4
30°-40°	514.1	19.5
40°-50°	513.1	19.5
50°-60°	417.3	15.8
60°-70°	256.7	9.7
70°-80°	99.5	3.8
80°-90°	15.9	0.6
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°	819.6	31.1
0°-40°	1333.6	50.6
0°-60°	2264.1	85.9
0°-90°	2636.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2636.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1062	
5°	1059	101
15°	1018	287
25°	940	432
35°	823	514
45°	667	513
55°	467	417
65°	258	257
75°	91	99
85°	12	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1062.1
2.5°	1063.7
5°	1059.0
7.5°	1052.8
10°	1045.0
12.5°	1030.9
15°	1018.4
17.5°	999.7
20°	979.4
22.5°	960.6
25°	940.3
27.5°	912.2
30°	884.1
32.5°	857.5
35°	823.2
37.5°	785.7
40°	751.3
42.5°	709.1
45°	667.0
47.5°	621.7
50°	573.2
52.5°	523.3
55°	467.0
57.5°	412.4
60°	359.3
62.5°	307.7
65°	257.7
67.5°	210.9
70°	167.1
72.5°	126.5
75°	90.6
77.5°	59.4
80°	35.9
82.5°	21.9
85°	12.5
87.5°	6.2
90°	0.0



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— 0°-180°







(END OF REPORT)