

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: P204805

Luminaire Tested: **LSR6B30D010BZ EC6B30509050 6LBCSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204805
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 EC6B30509050 6LBCSMW1
Description: PORTFOLIO 6IN CYLINDER
SHALLOW DISTRIBUTION WITH CAST 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: 2828.6 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

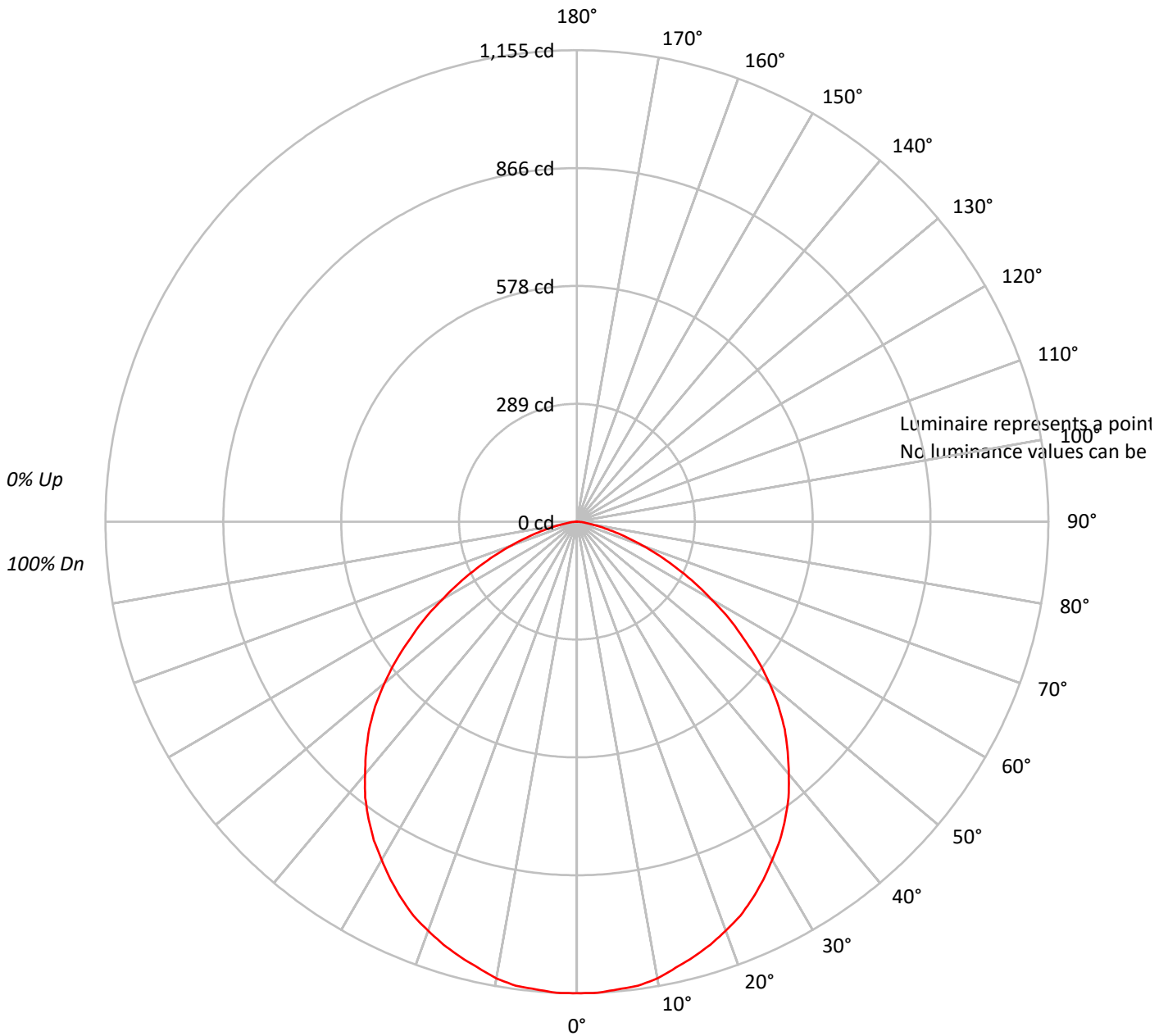
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	104	100	97	100	97	94	96	93	91	92	90	89	87																			
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74																			
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63																			
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55																			
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48																			
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42																			
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37																			
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33																			
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30																			
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27																			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.5	3.9
10°-20°	311.6	11.0
20°-30°	468.8	16.6
30°-40°	555.6	19.6
40°-50°	552.9	19.5
50°-60°	445.7	15.8
60°-70°	269.6	9.5
70°-80°	100.1	3.5
80°-90°	14.9	0.5
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°	889.9	31.5
0°-40°	1445.4	51.1
0°-60°	2444.0	86.4
0°-90°	2828.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2828.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1155	
5°	1150	109
15°	1104	312
25°	1018	469
35°	890	556
45°	720	553
55°	497	446
65°	271	270
75°	91	100
85°	12	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1155.3
2.5°	1155.3
5°	1150.1
7.5°	1146.7
10°	1136.4
12.5°	1119.3
15°	1103.9
17.5°	1086.7
20°	1066.2
22.5°	1045.6
25°	1018.2
27.5°	989.0
30°	956.5
32.5°	925.6
35°	889.6
37.5°	851.9
40°	807.3
42.5°	764.5
45°	719.9
47.5°	670.2
50°	615.4
52.5°	558.8
55°	497.1
57.5°	442.2
60°	380.5
62.5°	325.7
65°	270.8
67.5°	219.4
70°	171.4
72.5°	128.6
75°	90.8
77.5°	58.3
80°	34.3
82.5°	20.6
85°	12.0
87.5°	5.1
90°	0.0



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— 0°-180°







(END OF REPORT)