

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: P204484

Luminaire Tested: **LSR6B30D010BZ EC6B30508027 6LBSB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204484
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 EC6B30508027 6LBSB1
Description: PORTFOLIO 6IN CYLINDER
SHALLOW DISTRIBUTION WITH SPECULAR BLACK 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: 2587.6 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.3
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

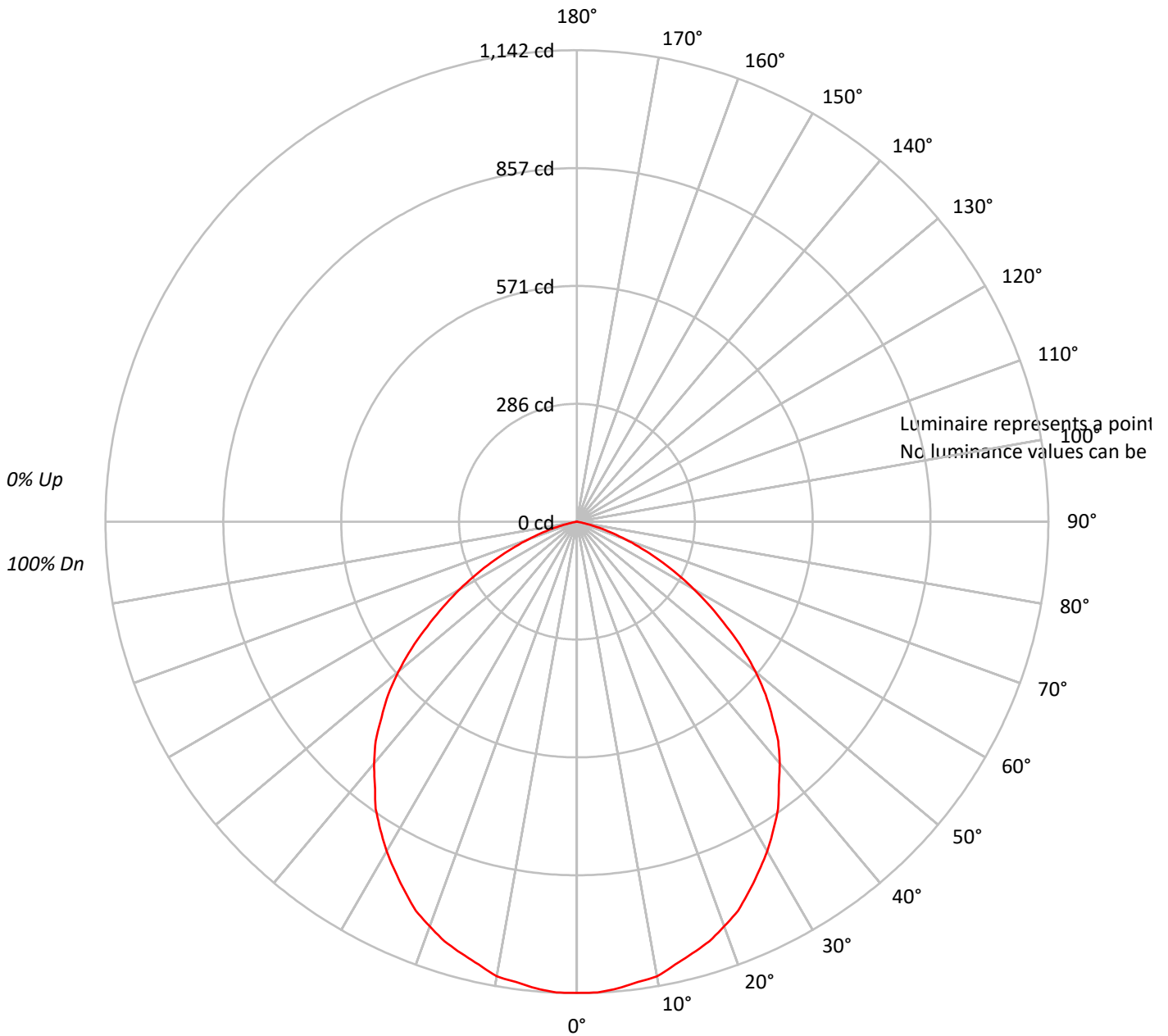
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				100															
1	111	107	103	100	108	105	101	98	100	98	95	97	94	93	93	91	90	88				88															
2	102	95	89	84	100	93	88	83	90	85	81	86	83	79	84	80	78	76				76															
3	94	84	77	72	91	83	76	71	80	74	70	77	73	68	75	71	67	65				65															
4	86	76	68	62	84	74	67	61	72	65	60	70	64	60	68	63	59	57				57															
5	80	68	60	54	78	67	59	53	65	58	53	63	57	52	61	56	52	50				50															
6	74	62	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44				44															
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39				39															
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35				35															
9	60	47	39	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32				32															
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29				29															

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.7	4.2
10°-20°	305.7	11.8
20°-30°	454.7	17.6
30°-40°	529.2	20.4
40°-50°	515.8	19.9
50°-60°	396.7	15.3
60°-70°	219.3	8.5
70°-80°	58.1	2.2
80°-90°	0.4	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°	868.2	33.6
0°-40°	1397.3	54.0
0°-60°	2309.8	89.3
0°-90°	2587.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2587.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1142	
5°	1135	108
15°	1082	306
25°	987	455
35°	850	529
45°	669	516
55°	443	397
65°	220	219
75°	49	58
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1141.5
2.5°	1141.5
5°	1134.9
7.5°	1125.1
10°	1118.5
12.5°	1098.9
15°	1082.5
17.5°	1066.1
20°	1043.1
22.5°	1020.1
25°	987.3
27.5°	954.5
30°	921.7
32.5°	885.6
35°	849.6
37.5°	803.6
40°	764.3
42.5°	721.6
45°	669.2
47.5°	619.9
50°	564.2
52.5°	505.1
55°	442.8
57.5°	383.8
60°	328.0
62.5°	272.3
65°	219.8
67.5°	170.6
70°	124.6
72.5°	85.3
75°	49.2
77.5°	23.0
80°	3.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)