

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: P204800

Luminaire Tested: **LSR6B30D010BZ EC6B30509024 6LBCSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204800
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 EC6B30509024 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: 2345.4 lumens
Efficiency: N/A
Efficacy: 83.8 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

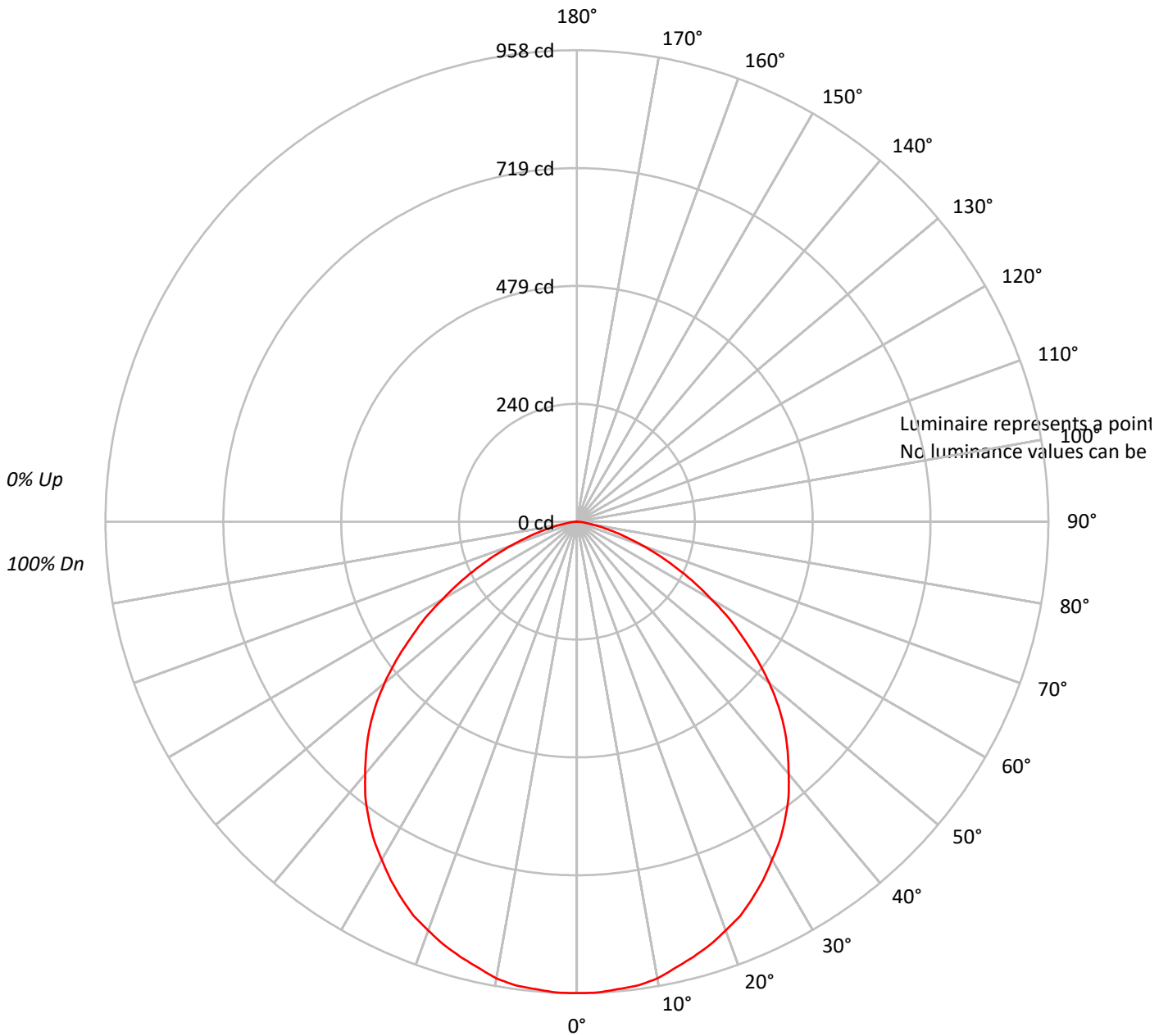
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204800

CATALOG NUMBER: LSR6B30D010BZ EC6B30509024 6LBCSMW1

Luminous Intensity Polar Plot





TEST NUMBER: P204800

CATALOG NUMBER: LSR6B30D010BZ EC6B30509024 6LBCSMW1

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	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):





TEST NUMBER: P204800

CATALOG NUMBER: LSR6B30D010BZ EC6B30509024 6LBCSMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.8	3.9
10°-20°	258.4	11.0
20°-30°	388.7	16.6
30°-40°	460.7	19.6
40°-50°	458.4	19.5
50°-60°	369.5	15.8
60°-70°	223.6	9.5
70°-80°	83.0	3.5
80°-90°	12.4	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°	737.8	31.5
0°-40°	1198.5	51.1
0°-60°	2026.5	86.4
0°-90°	2345.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2345.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	958	
5°	954	91
15°	915	258
25°	844	389
35°	738	461
45°	597	458
55°	412	370
65°	225	224
75°	75	83
85°	10	12
90°	0	



TEST NUMBER: P204800

CATALOG NUMBER: LSR6B30D010BZ EC6B30509024 6LBCSMW1

CANDELA DISTRIBUTION (FULL):

0°	
0°	957.9
2.5°	957.9
5°	953.7
7.5°	950.8
10°	942.3
12.5°	928.1
15°	915.3
17.5°	901.1
20°	884.0
22.5°	867.0
25°	844.2
27.5°	820.1
30°	793.1
32.5°	767.5
35°	737.6
37.5°	706.4
40°	669.4
42.5°	633.9
45°	596.9
47.5°	555.7
50°	510.2
52.5°	463.3
55°	412.2
57.5°	366.7
60°	315.5
62.5°	270.0
65°	224.6
67.5°	181.9
70°	142.1
72.5°	106.6
75°	75.3
77.5°	48.3
80°	28.4
82.5°	17.1
85°	9.9
87.5°	4.3
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)