

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: P205013

Luminaire Tested: **LSR6B30D010BZ EC6B30509730 6LBSCMMS1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205013
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 EC6B30509730 6LBCSMMS1
Description: PORTFOLIO 6IN CYLINDER
SHALLOW DISTRIBUTION WITH CAST MATTE METALLIC SILVER 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: 2268.8 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.27
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

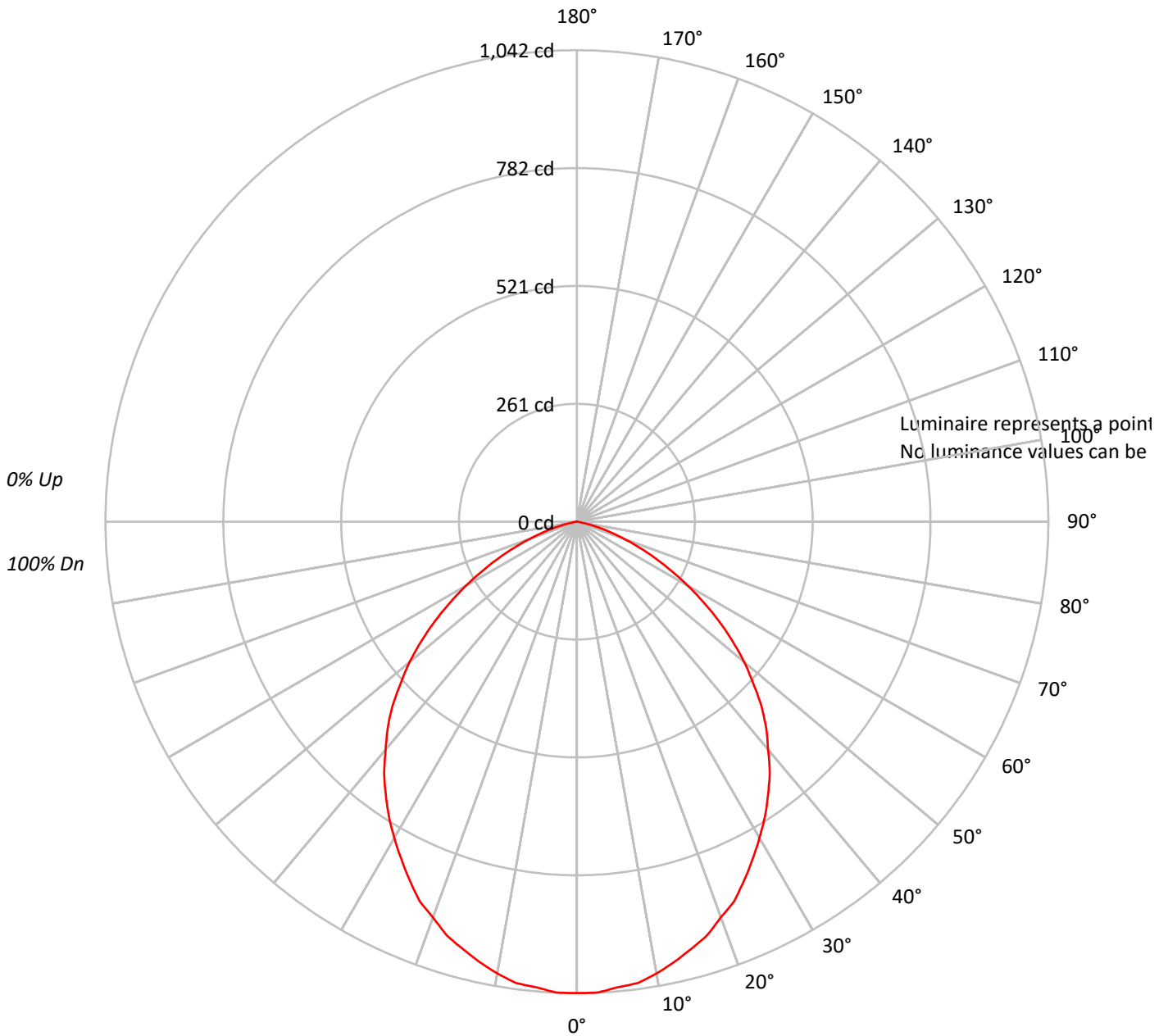
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P205013

CATALOG NUMBER: LSR6B30D010BZ EC6B30509730 6LBCSMMS1

Luminous Intensity Polar Plot





TEST NUMBER: P205013

CATALOG NUMBER: LSR6B30D010BZ EC6B30509730 6LBCSMMS1

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	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88																			
2	102	95	89	84	100	93	88	83	90	85	81	86	83	79	83	80	78	76																			
3	94	85	77	72	92	83	76	71	80	74	70	77	73	69	75	71	67	65																			
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57																			
5	80	68	60	54	78	67	59	54	65	58	53	63	57	53	61	56	52	50																			
6	74	62	54	48	72	61	53	47	59	52	47	58	51	47	56	51	46	44																			
7	69	56	48	42	67	56	48	42	54	47	42	53	46	42	51	46	41	40																			
8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	42	37	36																			
9	60	48	40	35	59	47	40	34	46	39	34	45	39	34	44	38	34	32																			
10	57	44	36	31	55	43	36	31	43	36	31	42	35	31	41	35	31	29																			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P205013

CATALOG NUMBER: LSR6B30D010BZ EC6B30509730 6LBCSMMS1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.2	4.3
10°-20°	275.5	12.1
20°-30°	402.4	17.7
30°-40°	460.3	20.3
40°-50°	442.3	19.5
50°-60°	341.6	15.1
60°-70°	190.7	8.4
70°-80°	55.5	2.4
80°-90°	2.4	0.1
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°	776.1	34.2
0°-40°	1236.4	54.5
0°-60°	2020.3	89.0
0°-90°	2268.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2268.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1042	
5°	1033	98
15°	977	276
25°	875	402
35°	737	460
45°	577	442
55°	383	342
65°	191	191
75°	48	55
85°	2	2
90°	0	



TEST NUMBER: P205013

CATALOG NUMBER: LSR6B30D010BZ EC6B30509730 6LBCSMMS1

CANDELA DISTRIBUTION (FULL):

	0°
0°	1041.9
2.5°	1041.9
5°	1033.1
7.5°	1028.7
10°	1014.0
12.5°	996.4
15°	977.3
17.5°	958.3
20°	930.4
22.5°	908.4
25°	874.6
27.5°	840.9
30°	807.1
32.5°	773.4
35°	736.7
37.5°	700.0
40°	657.4
42.5°	619.3
45°	576.7
47.5°	528.3
50°	482.8
52.5°	432.9
55°	383.0
57.5°	331.6
60°	283.2
62.5°	234.8
65°	190.8
67.5°	149.7
70°	111.5
72.5°	77.8
75°	48.4
77.5°	24.9
80°	8.8
82.5°	2.9
85°	1.5
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)