

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: P202741

Luminaire Tested: **LSR6B30D010BZ EC6B30509035 6LBWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202741
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 EC6B30509035 6LBWH1
Description: PORTFOLIO 6IN CYLINDER
WIDE DISTRIBUTION WITH SEMI-SPECULAR CLEAR 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: 2264.1 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

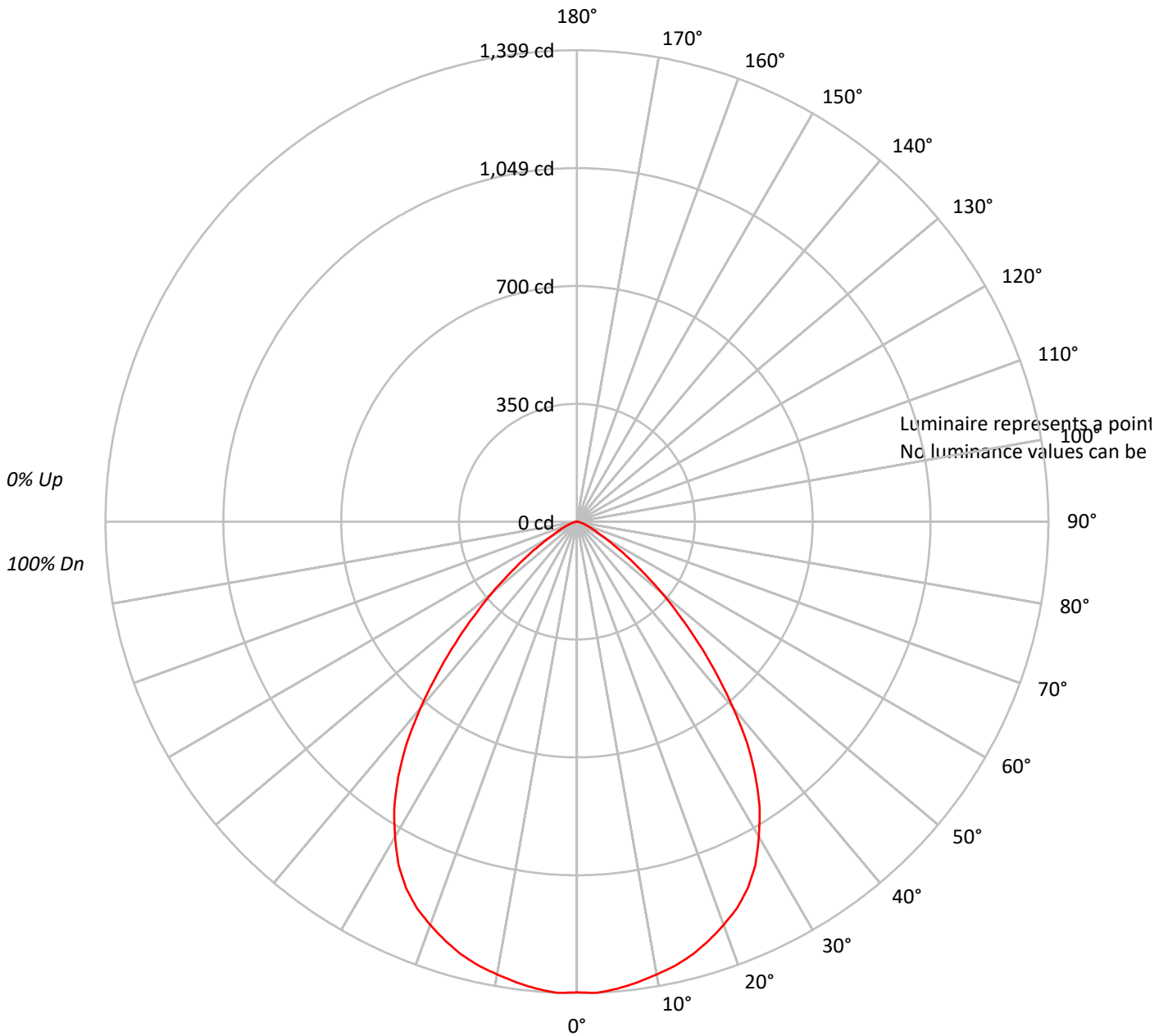
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P202741

CATALOG NUMBER: LSR6B30D010BZ EC6B30509035 6LBWH1

Luminous Intensity Polar Plot





TEST NUMBER: P202741

CATALOG NUMBER: LSR6B30D010BZ EC6B30509035 6LBWH1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									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	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	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91																											
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81																											
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73																											
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65																											
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59																											
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53																											
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49																											
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44																											
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41																											
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38																											

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P202741

CATALOG NUMBER: LSR6B30D010BZ EC6B30509035 6LBWH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.9	5.8
10°-20°	374.3	16.5
20°-30°	548.7	24.2
30°-40°	571.1	25.2
40°-50°	395.2	17.5
50°-60°	172.0	7.6
60°-70°	52.7	2.3
70°-80°	15.8	0.7
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°	1054.9	46.6
0°-40°	1626.0	71.8
0°-60°	2193.1	96.9
0°-90°	2264.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2264.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1396	
5°	1391	132
15°	1329	374
25°	1200	549
35°	924	571
45°	510	395
55°	185	172
65°	50	53
75°	15	16
85°	3	2
90°	0	



TEST NUMBER: P202741

CATALOG NUMBER: LSR6B30D010BZ EC6B30509035 6LBWH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	1396.5
2.5°	1399.4
5°	1390.6
7.5°	1378.9
10°	1364.2
12.5°	1349.5
15°	1329.0
17.5°	1302.6
20°	1273.3
22.5°	1241.0
25°	1199.9
27.5°	1147.1
30°	1079.6
32.5°	1009.2
35°	924.1
37.5°	830.3
40°	721.7
42.5°	613.2
45°	510.5
47.5°	413.7
50°	328.6
52.5°	249.4
55°	184.8
57.5°	132.0
60°	90.9
62.5°	67.5
65°	49.9
67.5°	38.1
70°	26.4
72.5°	20.5
75°	14.7
77.5°	8.8
80°	5.9
82.5°	2.9
85°	2.9
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)