

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: P205517

Luminaire Tested: **LSR6B30D010BZ EC6B30509035 6LBMGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205517
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 6LBMGPH1
Description: PORTFOLIO 6IN CYLINDER
MEDIUM DISTRIBUTION WITH GRAPHITE HAZE 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: 1428.3 lumens
Efficiency: N/A
Efficacy: 51.0 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.91
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

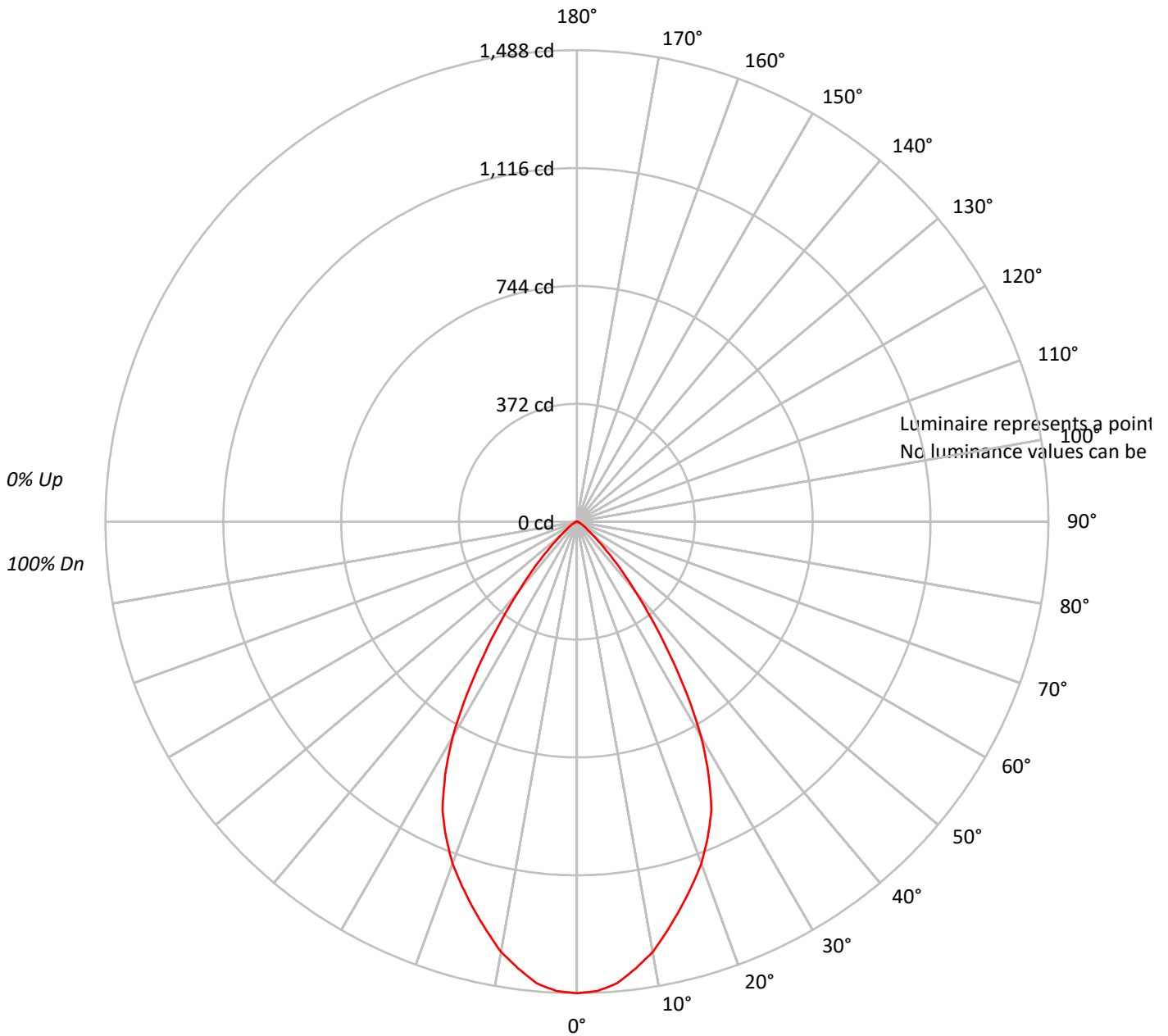
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P205517

CATALOG NUMBER: LSR6B30D010BZ EC6B30509035 6LBMGPH1

Luminous Intensity Polar Plot





TEST NUMBER: P205517

CATALOG NUMBER: LSR6B30D010BZ EC6B30509035 6LBMGPH1

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93		
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86		
3	102	95	90	85	99	93	89	85	91	87	83	88	85	82	86	83	81	79		
4	96	88	82	78	94	87	82	77	85	80	77	83	79	76	81	78	75	73		
5	91	82	76	72	89	81	76	71	79	74	71	78	73	70	76	72	69	68		
6	86	77	71	66	85	76	70	66	74	69	65	73	68	65	72	68	64	63		
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59		
8	77	68	61	57	76	67	61	57	66	60	57	65	60	56	64	59	56	55		
9	74	64	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51		
10	70	60	54	50	69	59	54	50	59	53	50	58	53	49	57	53	49	48		

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P205517

CATALOG NUMBER: LSR6B30D010BZ EC6B30509035 6LBMGPH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.7	9.6
10°-20°	354.8	24.8
20°-30°	452.0	31.6
30°-40°	319.5	22.4
40°-50°	116.6	8.2
50°-60°	32.3	2.3
60°-70°	11.7	0.8
70°-80°	4.2	0.3
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°	943.5	66.1
0°-40°	1263.0	88.4
0°-60°	1412.0	98.9
0°-90°	1428.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1428.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1488	
5°	1462	137
15°	1263	355
25°	1004	452
35°	508	319
45°	141	117
55°	35	32
65°	12	12
75°	3	4
85°	0	0
90°	0	



TEST NUMBER: P205517

CATALOG NUMBER: LSR6B30D010BZ EC6B30509035 6LBMGPH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	1488.3
2.5°	1482.6
5°	1462.4
7.5°	1422.0
10°	1378.7
12.5°	1321.0
15°	1263.3
17.5°	1205.7
20°	1148.0
22.5°	1078.7
25°	1003.8
27.5°	899.9
30°	784.5
32.5°	646.1
35°	507.6
37.5°	386.5
40°	282.7
42.5°	204.8
45°	141.3
47.5°	95.2
50°	63.5
52.5°	43.3
55°	34.6
57.5°	26.0
60°	20.2
62.5°	14.4
65°	11.5
67.5°	8.7
70°	5.8
72.5°	5.8
75°	2.9
77.5°	2.9
80°	2.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)