

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: P204078

Luminaire Tested: **LSR6B30D010BZ EC6B30509027 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204078
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 EC6B30509027 6LBNMW1
Description: PORTFOLIO 6IN CYLINDER
NARROW DISTRIBUTION WITH 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: 1752.0 lumens
Efficiency: N/A
Efficacy: 62.6 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

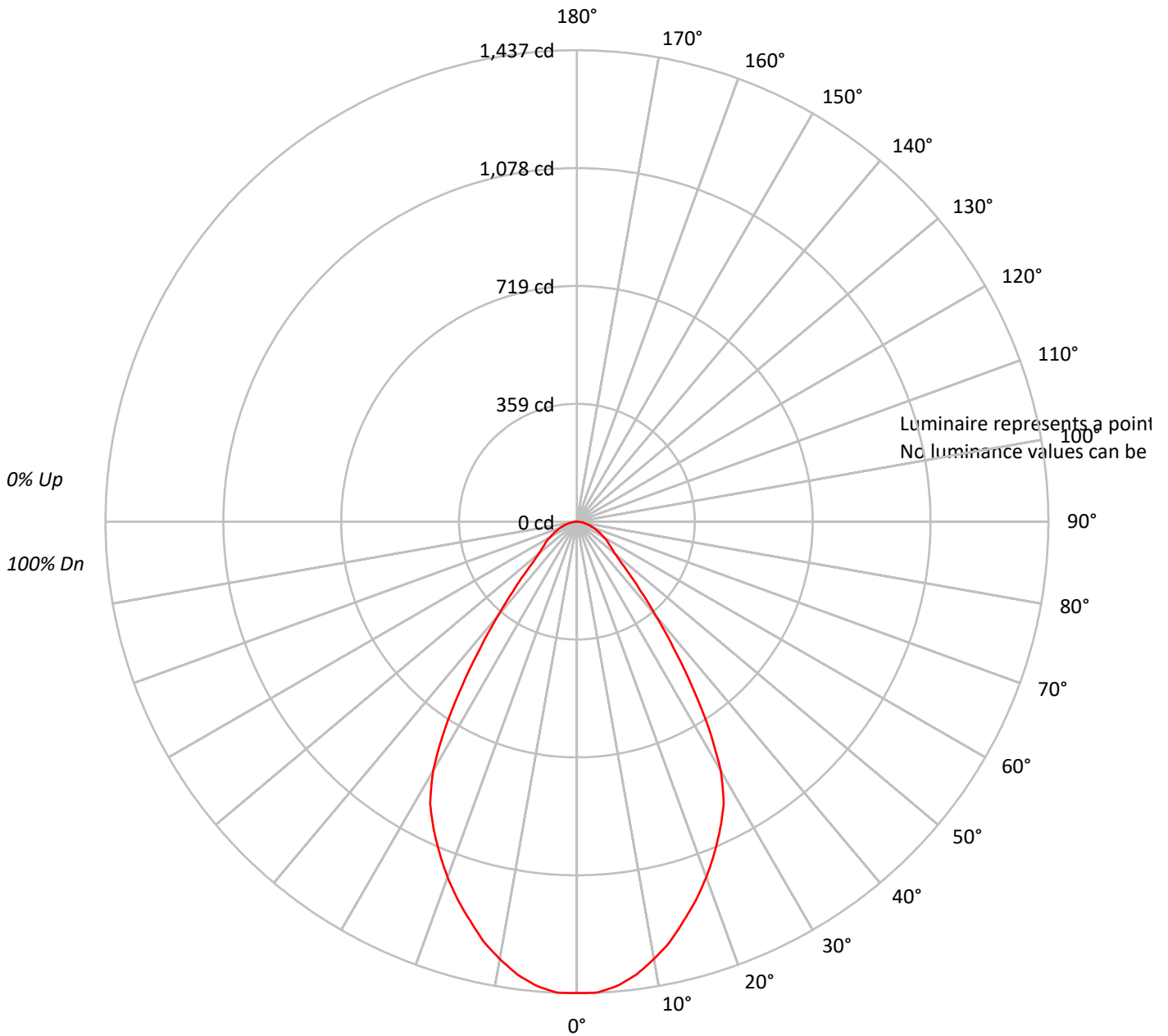
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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																			
1	112	108	105	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90																			
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81																			
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73																			
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66																			
5	87	77	70	64	85	76	69	64	74	68	64	72	67	63	70	66	62	61																			
6	81	71	64	59	80	70	63	59	68	63	58	67	62	58	66	61	57	56																			
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51																			
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47																			
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44																			
10	65	54	47	43	64	54	47	43	53	47	43	52	46	43	51	46	43	41																			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.4	7.6
10°-20°	353.6	20.2
20°-30°	472.1	26.9
30°-40°	380.9	21.7
40°-50°	182.5	10.4
50°-60°	108.2	6.2
60°-70°	71.9	4.1
70°-80°	38.5	2.2
80°-90°	10.6	0.6
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°	959.2	54.7
0°-40°	1340.1	76.5
0°-60°	1630.9	93.1
0°-90°	1752.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1752.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1437	
5°	1420	133
15°	1259	354
25°	1033	472
35°	610	381
45°	226	183
55°	120	108
65°	72	72
75°	36	39
85°	8	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1436.8
2.5°	1436.8
5°	1420.1
7.5°	1392.2
10°	1353.2
12.5°	1311.5
15°	1258.6
17.5°	1208.5
20°	1152.8
22.5°	1094.3
25°	1033.0
27.5°	969.0
30°	877.1
32.5°	749.0
35°	609.8
37.5°	481.7
40°	373.1
42.5°	289.6
45°	225.5
47.5°	178.2
50°	150.4
52.5°	133.7
55°	119.7
57.5°	108.6
60°	94.7
62.5°	83.5
65°	72.4
67.5°	61.3
70°	52.9
72.5°	44.6
75°	36.2
77.5°	27.8
80°	22.3
82.5°	16.7
85°	8.4
87.5°	2.8
90°	0.0



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— 0°-180°







(END OF REPORT)