

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: P203157

Luminaire Tested: **LSR6B30D010BZ EC6B30509730 6LBWMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203157
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 6LBWMW1
Description: PORTFOLIO 6IN CYLINDER
WIDE 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: 2085.0 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

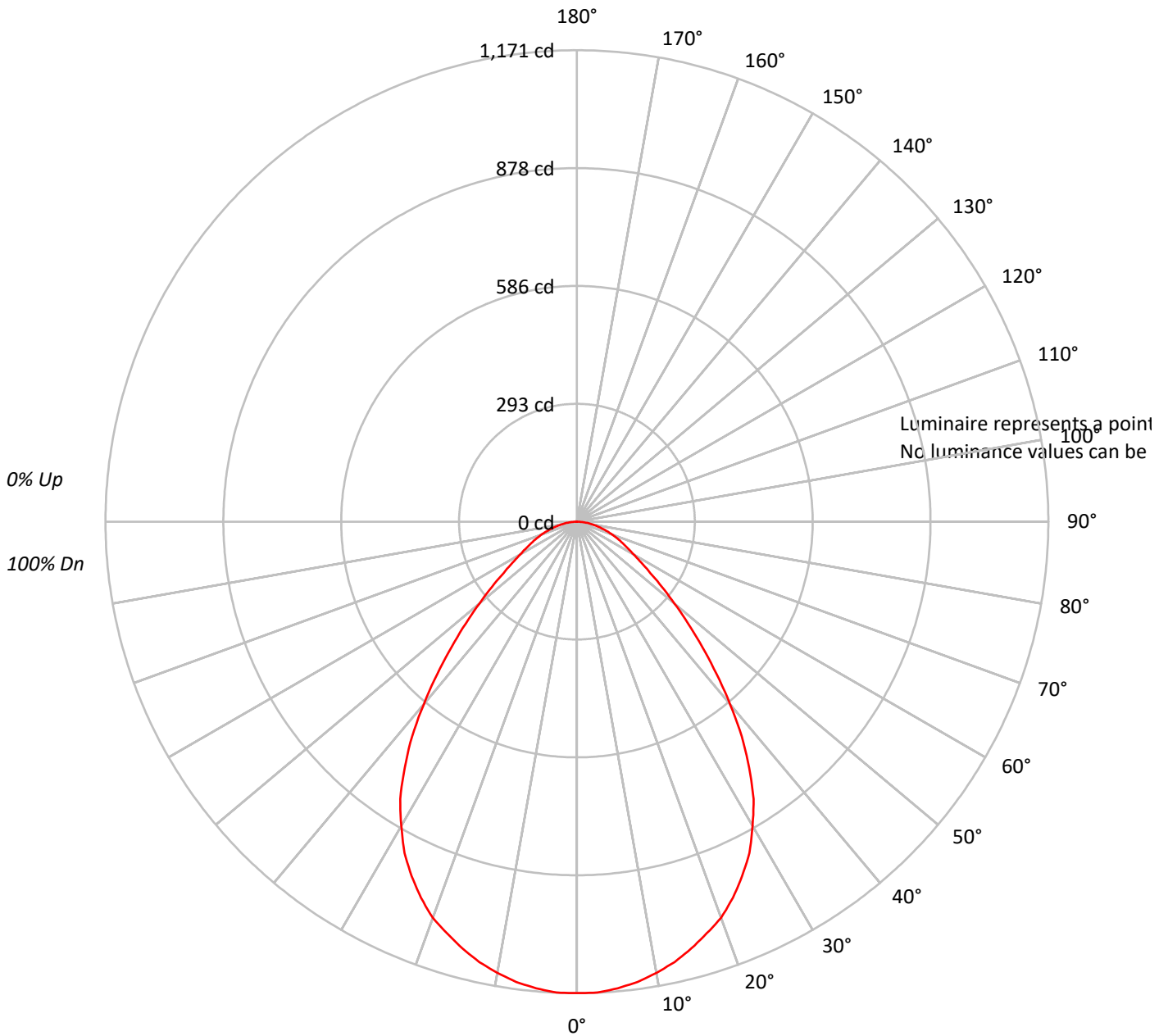
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									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	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	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88																																				
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77																																				
3	95	86	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68																																				
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60																																				
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54																																				
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49																																				
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44																																				
8	67	55	48	42	66	55	47	42	53	47	42	52	46	42	51	46	42	40																																				
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37																																				
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34																																				

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.3	5.3
10°-20°	309.2	14.8
20°-30°	445.6	21.4
30°-40°	462.6	22.2
40°-50°	342.0	16.4
50°-60°	204.3	9.8
60°-70°	124.1	6.0
70°-80°	68.0	3.3
80°-90°	18.9	0.9
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°	865.1	41.5
0°-40°	1327.7	63.7
0°-60°	1874.0	89.9
0°-90°	2085.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2085.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1171	
5°	1163	110
15°	1098	309
25°	971	446
35°	746	463
45°	440	342
55°	222	204
65°	124	124
75°	63	68
85°	15	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1170.9
2.5°	1170.9
5°	1163.3
7.5°	1153.2
10°	1138.0
12.5°	1120.3
15°	1097.6
17.5°	1072.3
20°	1047.0
22.5°	1011.6
25°	971.1
27.5°	928.1
30°	872.5
32.5°	816.8
35°	746.0
37.5°	672.7
40°	591.8
42.5°	513.4
45°	440.0
47.5°	374.3
50°	316.1
52.5°	265.5
55°	222.5
57.5°	189.7
60°	161.9
62.5°	141.6
65°	123.9
67.5°	108.7
70°	93.6
72.5°	78.4
75°	63.2
77.5°	50.6
80°	37.9
82.5°	27.8
85°	15.2
87.5°	7.6
90°	0.0



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— 0°-180°







(END OF REPORT)