

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: P203357

Luminaire Tested: **LSR6B30D010BZ EC6B30509027 6LBMWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203357
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 6LBMWH1
Description: PORTFOLIO 6IN CYLINDER
MEDIUM DISTRIBUTION WITH WHEAT 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: 1916.0 lumens
Efficiency: N/A
Efficacy: 68.4 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

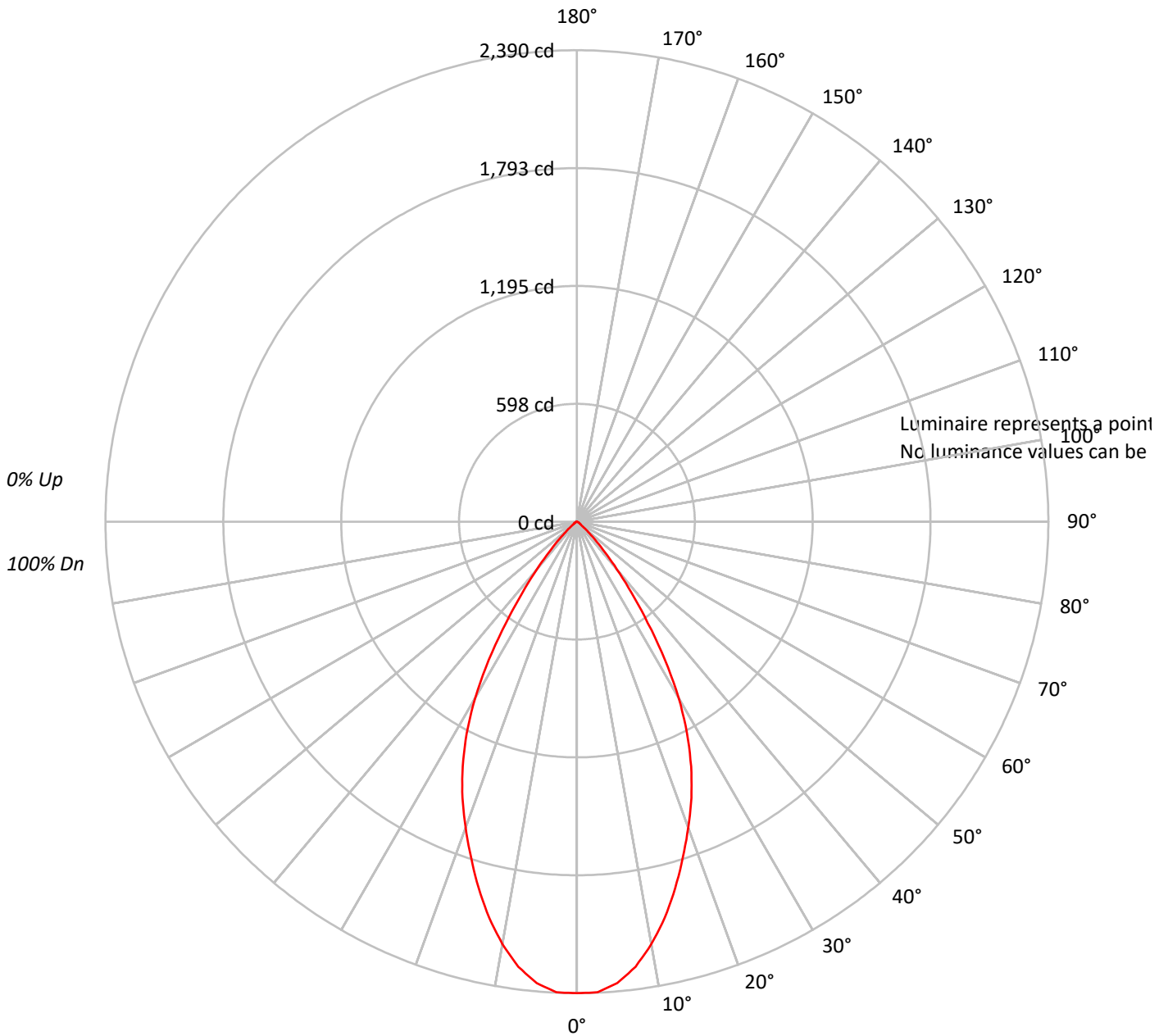
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94																																			
	2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	91	89	87																																			
	3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81																																			
	4	97	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76																																			
	5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71																																			
	6	88	79	73	69	87	78	73	69	77	72	68	76	71	68	74	70	67	66																																			
	7	84	75	69	64	82	74	68	64	73	68	64	71	67	64	70	66	63	62																																			
	8	80	70	64	60	78	70	64	60	69	64	60	68	63	60	67	62	59	58																																			
	9	76	66	61	57	75	66	60	57	65	60	56	64	59	56	63	59	56	55																																			
	10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	52																																			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.5	11.4
10°-20°	536.5	28.0
20°-30°	620.7	32.4
30°-40°	396.8	20.7
40°-50°	112.5	5.9
50°-60°	20.1	1.0
60°-70°	8.2	0.4
70°-80°	2.8	0.1
80°-90°	0.0	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°	1375.7	71.8
0°-40°	1772.4	92.5
0°-60°	1905.0	99.4
0°-90°	1916.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1916.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2390	
5°	2348	219
15°	1924	536
25°	1370	621
35°	626	397
45°	131	112
55°	19	20
65°	8	8
75°	3	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2390.3
2.5°	2387.6
5°	2347.6
7.5°	2275.7
10°	2174.4
12.5°	2057.2
15°	1923.9
17.5°	1785.4
20°	1649.5
22.5°	1516.2
25°	1369.7
27.5°	1209.8
30°	1031.3
32.5°	831.4
35°	626.2
37.5°	453.0
40°	314.4
42.5°	207.8
45°	130.6
47.5°	77.3
50°	45.3
52.5°	26.6
55°	18.7
57.5°	16.0
60°	13.3
62.5°	10.7
65°	8.0
67.5°	5.3
70°	5.3
72.5°	2.7
75°	2.7
77.5°	2.7
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)