

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: P205196

Luminaire Tested: **LSR6B20D010BZ EC6B10209027 6LBWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205196
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: LSR6B20D010BZ EC6B10209027 6LBWL1
Description: PORTFOLIO 6IN CYLINDER
WIDE DISTRIBUTION WITH SPECULAR CLEAR TRIM
WATTAGE D010TR-21.86 W DE010-20.46 W D5LT-21.24 W DMX-20.89 W DL2-22.5 W
DL3-21.8 6 W DLE-22.46 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1691.2 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

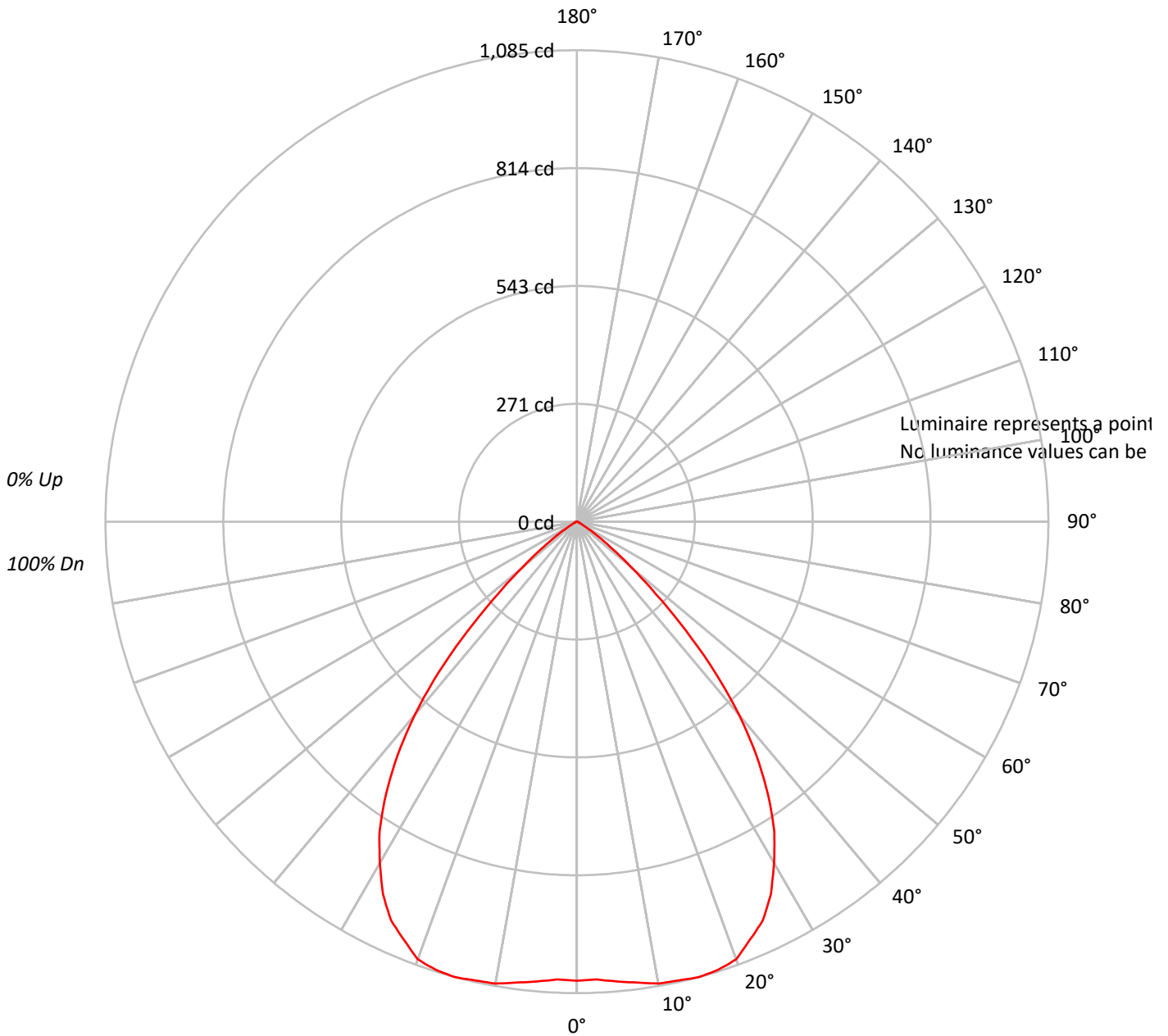
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0																
RCR																																														
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100											100																	
1	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92											92																	
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83											83																	
3	100	92	87	82	97	91	86	81	88	84	80	86	82	79	83	80	77	76											76																	
4	93	85	78	73	92	84	78	73	81	76	72	79	75	71	77	74	70	69											69																	
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63											63																	
6	82	72	65	60	81	71	65	60	70	64	59	68	63	59	67	62	59	57											57																	
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52											52																	
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48											48																	
9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	46	44											44																	
10	65	54	47	43	64	53	47	42	52	46	42	51	46	42	51	46	42	41											41																	

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.9	6.0
10°-20°	306.3	18.1
20°-30°	461.8	27.3
30°-40°	472.7	27.9
40°-50°	275.4	16.3
50°-60°	63.3	3.7
60°-70°	7.8	0.5
70°-80°	2.0	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°	870.0	51.4
0°-40°	1342.7	79.4
0°-60°	1681.4	99.4
0°-90°	1691.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1691.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1056	
5°	1062	102
15°	1085	306
25°	1012	462
35°	767	473
45°	355	275
55°	61	63
65°	6	8
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1056.5
2.5°	1054.6
5°	1062.2
7.5°	1069.9
10°	1079.5
12.5°	1081.4
15°	1085.2
17.5°	1081.4
20°	1071.8
22.5°	1041.1
25°	1012.4
27.5°	966.4
30°	906.9
32.5°	845.6
35°	767.0
37.5°	678.8
40°	581.0
42.5°	471.7
45°	354.7
47.5°	247.3
50°	163.0
52.5°	103.5
55°	61.4
57.5°	32.6
60°	17.3
62.5°	9.6
65°	5.8
67.5°	5.8
70°	3.8
72.5°	1.9
75°	1.9
77.5°	1.9
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)