

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: P205190

Luminaire Tested: **LSR6B20D010BZ EC6B10208027 6LBWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205190
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 EC6B10208027 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: 1970.4 lumens
Efficiency: N/A
Efficacy: 94.7 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

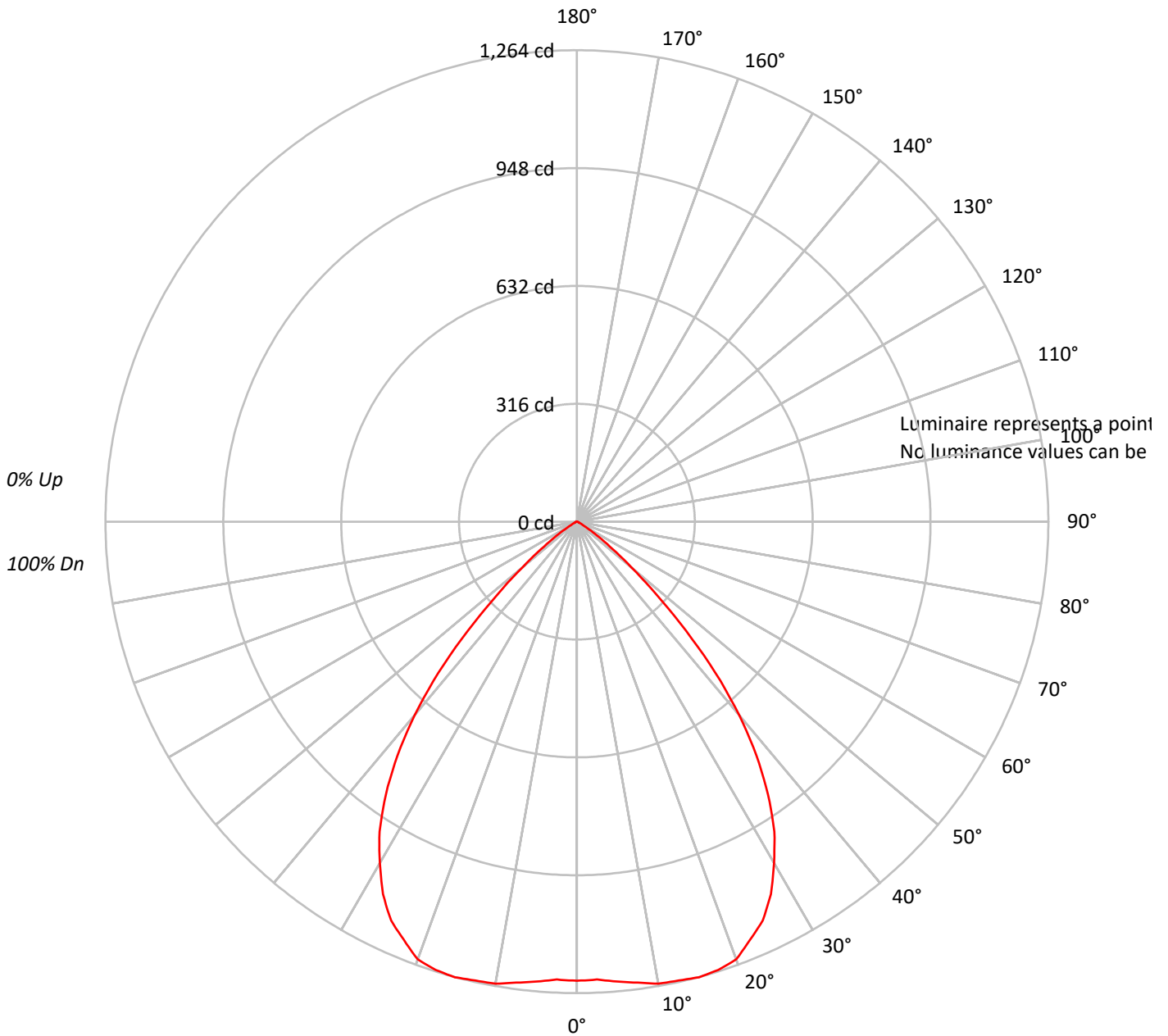
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	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	74	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	43	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°	118.8	6.0
10°-20°	356.9	18.1
20°-30°	538.1	27.3
30°-40°	550.7	27.9
40°-50°	320.8	16.3
50°-60°	73.7	3.7
60°-70°	9.1	0.5
70°-80°	2.3	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°	1013.8	51.4
0°-40°	1564.5	79.4
0°-60°	1959.0	99.4
0°-90°	1970.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1970.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1231	
5°	1238	119
15°	1264	357
25°	1180	538
35°	894	551
45°	413	321
55°	72	74
65°	7	9
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1231.0
2.5°	1228.7
5°	1237.7
7.5°	1246.6
10°	1257.8
12.5°	1260.0
15°	1264.5
17.5°	1260.0
20°	1248.8
22.5°	1213.1
25°	1179.6
27.5°	1126.0
30°	1056.7
32.5°	985.2
35°	893.6
37.5°	790.9
40°	676.9
42.5°	549.6
45°	413.3
47.5°	288.2
50°	189.9
52.5°	120.6
55°	71.5
57.5°	38.0
60°	20.1
62.5°	11.2
65°	6.7
67.5°	6.7
70°	4.5
72.5°	2.2
75°	2.2
77.5°	2.2
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)