

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: P203750

Luminaire Tested: **LSR6B20D010BZ EC6B10208027 6LBNWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203750
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 6LBNWH1
Description: PORTFOLIO 6IN CYLINDER
NARROW DISTRIBUTION WITH WHEAT 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: 1313.6 lumens
Efficiency: N/A
Efficacy: 63.2 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.64
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

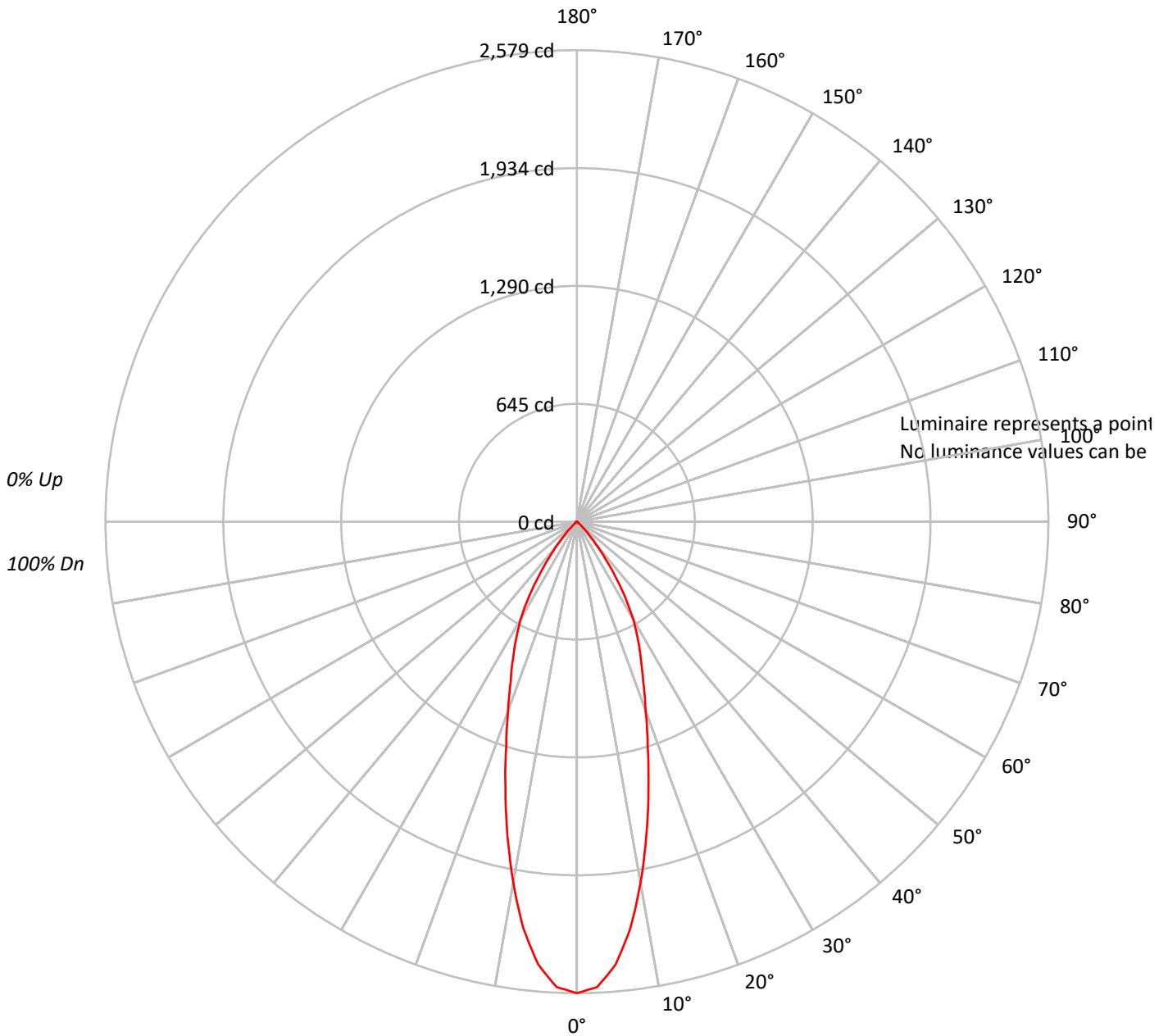
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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																																				
1	114	111	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	94																																				
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89																																				
3	104	98	93	90	102	97	92	89	94	91	88	92	89	86	89	87	85	83																																				
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79																																				
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74																																				
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70																																				
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	67	66																																				
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63																																				
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60																																				
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57																																				

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.3	16.6
10°-20°	419.5	31.9
20°-30°	381.4	29.0
30°-40°	231.2	17.6
40°-50°	52.6	4.0
50°-60°	6.7	0.5
60°-70°	3.0	0.2
70°-80°	0.9	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°	1019.2	77.6
0°-40°	1250.4	95.2
0°-60°	1309.7	99.7
0°-90°	1313.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1313.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2579	
5°	2432	218
15°	1511	420
25°	827	381
35°	366	231
45°	58	53
55°	7	7
65°	2	3
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2579.0
2.5°	2547.7
5°	2431.5
7.5°	2243.8
10°	2004.7
12.5°	1756.6
15°	1510.8
17.5°	1287.3
20°	1099.5
22.5°	947.6
25°	826.9
27.5°	719.6
30°	614.6
32.5°	491.7
35°	366.5
37.5°	257.0
40°	169.8
42.5°	105.0
45°	58.1
47.5°	26.8
50°	11.2
52.5°	8.9
55°	6.7
57.5°	6.7
60°	4.5
62.5°	4.5
65°	2.2
67.5°	2.2
70°	2.2
72.5°	2.2
75°	0.0
77.5°	0.0
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)