

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: P202727

Luminaire Tested: **LSR6B20D010BZ EC6B10209030 6LBWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202727
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 EC6B10209030 6LBWH1
Description: PORTFOLIO 6IN CYLINDER
WIDE DISTRIBUTION WITH SEMI-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: 1539.8 lumens
Efficiency: N/A
Efficacy: 74.0 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

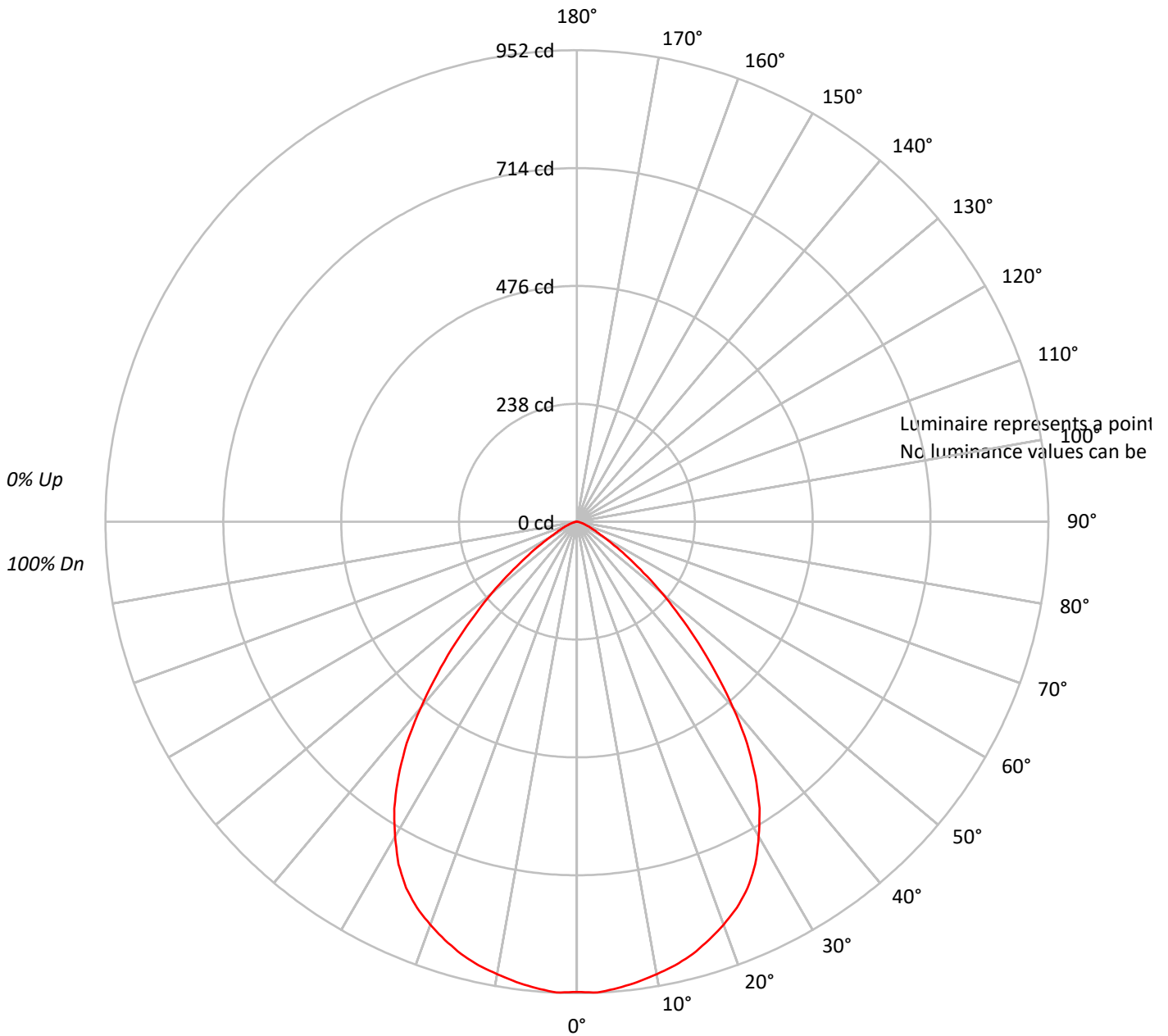
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91																																				
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81																																				
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73																																				
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65																																				
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59																																				
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53																																				
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49																																				
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44																																				
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41																																				
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38																																				

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.7	5.8
10°-20°	254.5	16.5
20°-30°	373.2	24.2
30°-40°	388.4	25.2
40°-50°	268.7	17.5
50°-60°	117.0	7.6
60°-70°	35.9	2.3
70°-80°	10.8	0.7
80°-90°	1.6	0.1
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°	717.4	46.6
0°-40°	1105.8	71.8
0°-60°	1491.5	96.9
0°-90°	1539.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1539.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	950	
5°	946	90
15°	904	255
25°	816	373
35°	628	388
45°	347	269
55°	126	117
65°	34	36
75°	10	11
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	949.7
2.5°	951.7
5°	945.7
7.5°	937.7
10°	927.8
12.5°	917.8
15°	903.8
17.5°	885.9
20°	865.9
22.5°	844.0
25°	816.0
27.5°	780.1
30°	734.2
32.5°	686.3
35°	628.5
37.5°	564.6
40°	490.8
42.5°	417.0
45°	347.2
47.5°	281.3
50°	223.5
52.5°	169.6
55°	125.7
57.5°	89.8
60°	61.9
62.5°	45.9
65°	33.9
67.5°	25.9
70°	18.0
72.5°	14.0
75°	10.0
77.5°	6.0
80°	4.0
82.5°	2.0
85°	2.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)