

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: P204069

Luminaire Tested: **LSR6B20D010BZ EC6B10209050 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204069
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 EC6B10209050 6LBNMW1
Description: PORTFOLIO 6IN CYLINDER
NARROW DISTRIBUTION WITH MATTE WHITE 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: 1281.9 lumens
Efficiency: N/A
Efficacy: 61.6 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

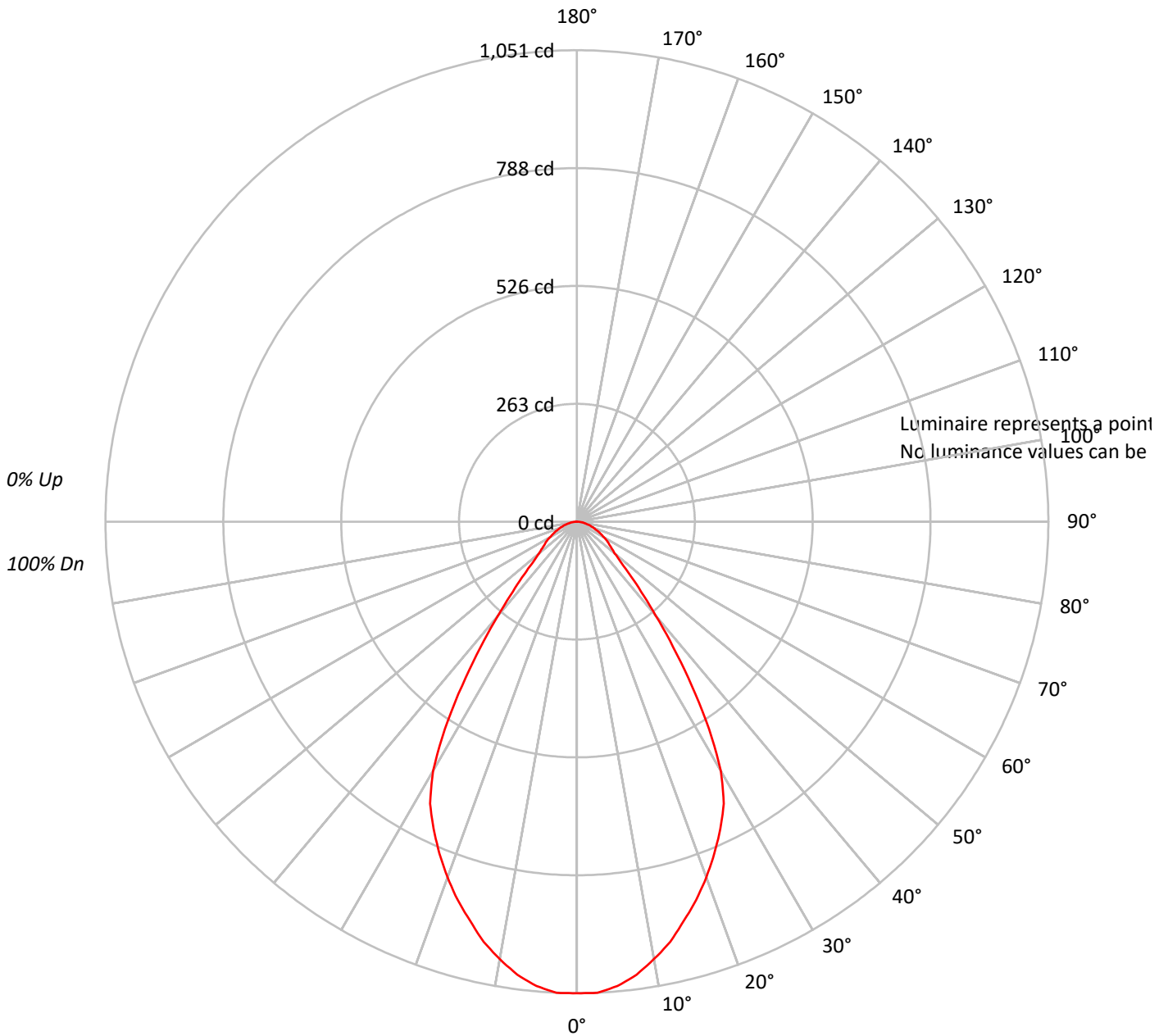
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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									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	112	108	105	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90																											
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81																											
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73																											
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66																											
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61																											
6	81	71	64	59	80	70	63	59	68	63	58	67	62	58	66	61	57	56																											
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51																											
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47																											
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44																											
10	65	54	47	43	64	54	47	43	53	47	43	52	46	43	51	46	43	41																											

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.6	7.6
10°-20°	258.8	20.2
20°-30°	345.5	26.9
30°-40°	278.7	21.7
40°-50°	133.6	10.4
50°-60°	79.2	6.2
60°-70°	52.6	4.1
70°-80°	28.2	2.2
80°-90°	7.7	0.6
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°	701.9	54.8
0°-40°	980.6	76.5
0°-60°	1193.3	93.1
0°-90°	1281.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1281.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1051	
5°	1039	98
15°	921	259
25°	756	345
35°	446	279
45°	165	134
55°	88	79
65°	53	53
75°	26	28
85°	6	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1051.3
2.5°	1051.3
5°	1039.1
7.5°	1018.7
10°	990.2
12.5°	959.7
15°	920.9
17.5°	884.3
20°	843.5
22.5°	800.7
25°	755.9
27.5°	709.0
30°	641.8
32.5°	548.1
35°	446.2
37.5°	352.5
40°	273.0
42.5°	211.9
45°	165.0
47.5°	130.4
50°	110.0
52.5°	97.8
55°	87.6
57.5°	79.5
60°	69.3
62.5°	61.1
65°	53.0
67.5°	44.8
70°	38.7
72.5°	32.6
75°	26.5
77.5°	20.4
80°	16.3
82.5°	12.2
85°	6.1
87.5°	2.0
90°	0.0



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— 0°-180°







(END OF REPORT)