

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: P204990

Luminaire Tested: **LSR6B20D010BZ EC6B10208035 6LBSCMMS1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204990
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 EC6B10208035 6LBCSMMS1
Description: PORTFOLIO 6IN CYLINDER
SHALLOW DISTRIBUTION WITH CAST MATTE METALLIC SILVER 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: 2148.0 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.27
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

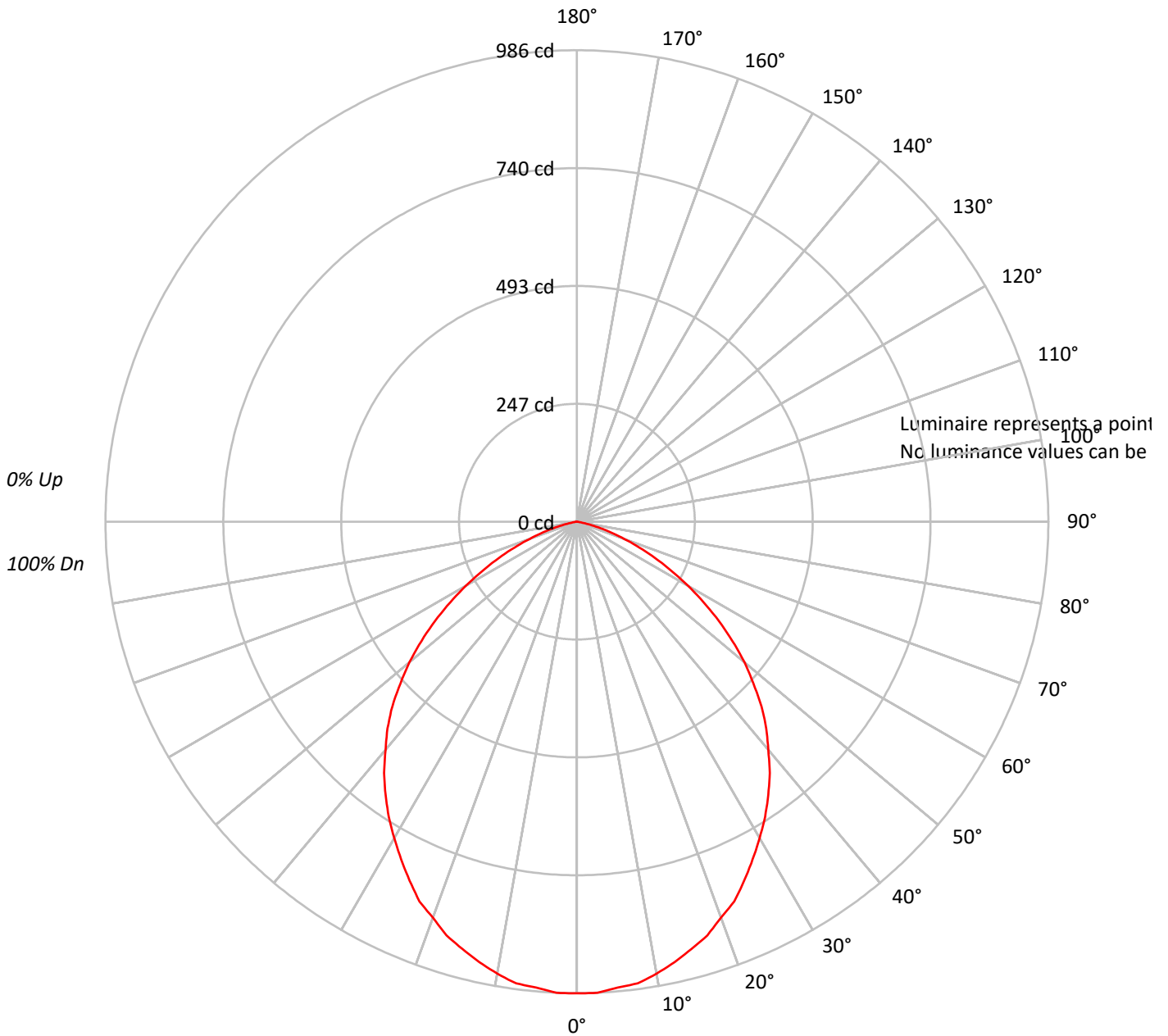
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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									100																										
	1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88																																			
	2	102	95	89	84	100	93	88	83	90	85	81	86	83	79	83	80	78	76																																			
	3	94	85	77	72	92	83	76	71	80	74	70	77	73	69	75	71	67	65																																			
	4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57																																			
	5	80	68	60	54	78	67	59	54	65	58	53	63	57	53	61	56	52	50																																			
	6	74	62	54	48	72	61	53	47	59	52	47	58	51	47	56	51	46	44																																			
	7	69	56	48	42	67	56	48	42	54	47	42	53	46	42	51	46	41	40																																			
	8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	42	37	36																																			
	9	60	48	40	35	59	47	40	34	46	39	34	45	39	34	44	38	34	32																																			
	10	57	44	36	31	55	43	36	31	43	36	31	42	35	31	41	35	31	29																																			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.0	4.3
10°-20°	260.8	12.1
20°-30°	381.0	17.7
30°-40°	435.8	20.3
40°-50°	418.8	19.5
50°-60°	323.4	15.1
60°-70°	180.5	8.4
70°-80°	52.5	2.4
80°-90°	2.3	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°	734.8	34.2
0°-40°	1170.6	54.5
0°-60°	1912.7	89.0
0°-90°	2148.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2148.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	986	
5°	978	93
15°	925	261
25°	828	381
35°	698	436
45°	546	419
55°	363	323
65°	181	180
75°	46	52
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	986.4
2.5°	986.4
5°	978.1
7.5°	973.9
10°	960.0
12.5°	943.4
15°	925.3
17.5°	907.2
20°	880.8
22.5°	860.0
25°	828.1
27.5°	796.1
30°	764.1
32.5°	732.2
35°	697.5
37.5°	662.7
40°	622.4
42.5°	586.3
45°	546.0
47.5°	500.2
50°	457.1
52.5°	409.9
55°	362.6
57.5°	314.0
60°	268.1
62.5°	222.3
65°	180.6
67.5°	141.7
70°	105.6
72.5°	73.6
75°	45.8
77.5°	23.6
80°	8.3
82.5°	2.8
85°	1.4
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)