

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: P203316

Luminaire Tested: **LD6B10D010 EU6B10208040 6LBMWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203316
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: LD6B10D010 EU6B10208040 6LBMWH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH WHEAT TRIM
WATTAGE D010TR-10.05 W DE010-10.58 W D5LT-10.2 W DMX-10.6 W DL2-11.8 W
DL3-11.1 W DLE-11.39 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 869.3 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

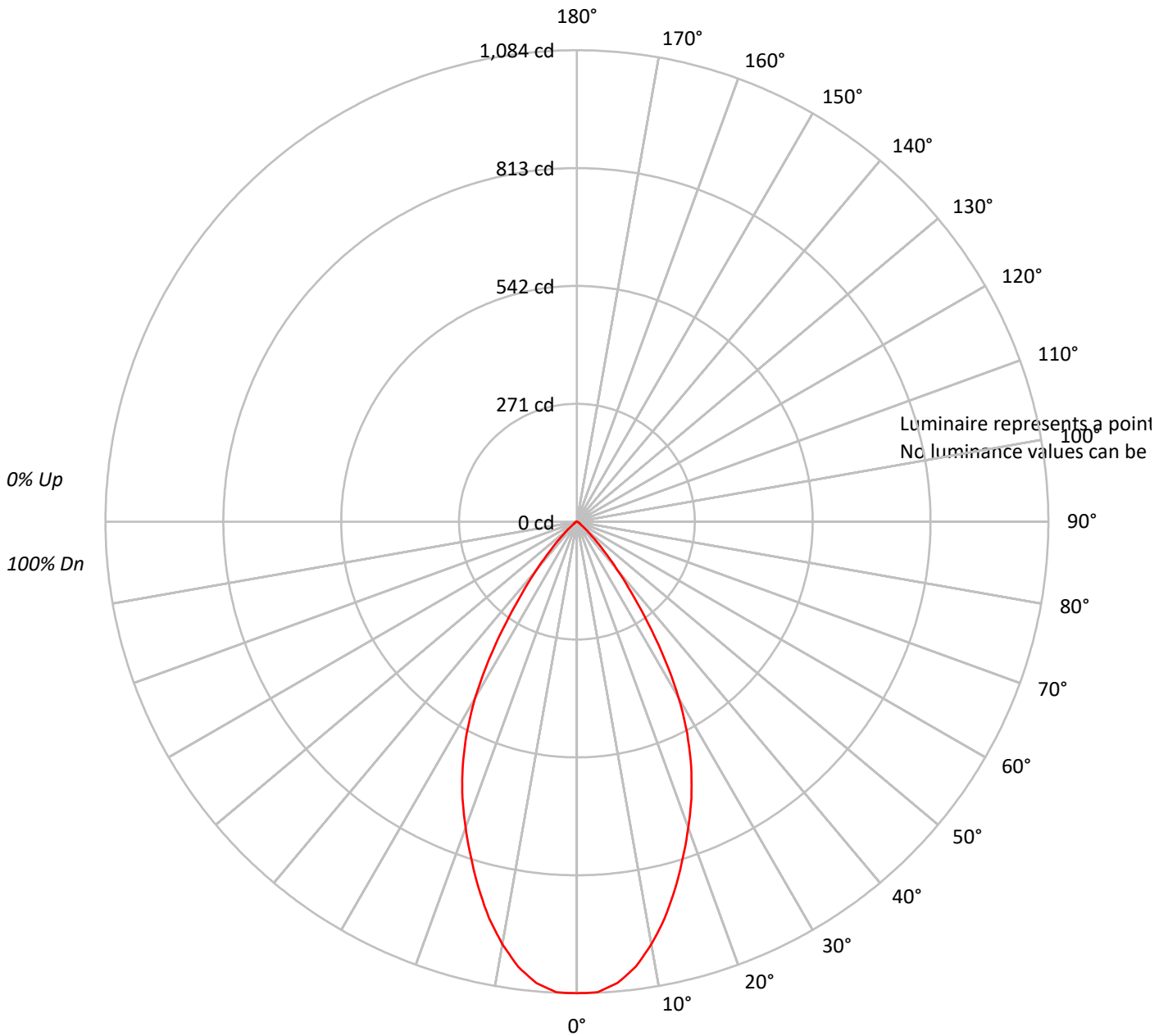
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





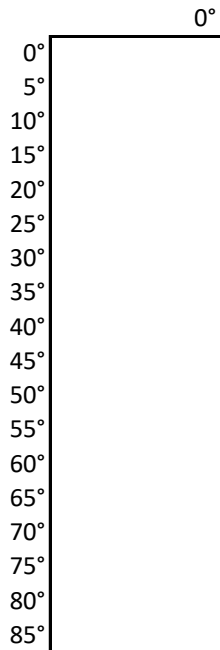
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20																		
RC	80									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	0																			
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	100	100	100	100	100																			
	1	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94	94	94	94	94	94	94	94	94																			
	2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	93	91	89	87	87	87	87	87	87	87	87	87																			
	3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81	81	81	81	81	81	81	81	81																			
	4	97	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76	76	76	76	76	76	76	76	76																			
	5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71	71	71	71	71	71	71	71	71																			
	6	88	79	73	69	87	78	73	69	77	72	68	76	71	68	74	70	67	66	66	66	66	66	66	66	66	66																			
	7	84	75	69	64	82	74	68	64	73	68	64	71	67	64	70	66	63	62	62	62	62	62	62	62	62	62																			
	8	80	70	64	60	78	70	64	60	69	64	60	68	63	60	67	62	59	58	58	58	58	58	58	58	58	58																			
	9	76	66	61	57	75	66	60	57	65	60	56	64	59	56	63	59	56	55	55	55	55	55	55	55	55	55																			
	10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	52	52	52	52	52	52	52	52	52																			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.1	11.4
10°-20°	243.4	28.0
20°-30°	281.6	32.4
30°-40°	180.0	20.7
40°-50°	51.0	5.9
50°-60°	9.1	1.1
60°-70°	3.7	0.4
70°-80°	1.3	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°	624.1	71.8
0°-40°	804.1	92.5
0°-60°	864.3	99.4
0°-90°	869.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	869.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1084	
5°	1065	99
15°	873	243
25°	621	282
35°	284	180
45°	59	51
55°	8	9
65°	4	4
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1084.4
2.5°	1083.2
5°	1065.1
7.5°	1032.4
10°	986.5
12.5°	933.3
15°	872.9
17.5°	810.0
20°	748.3
22.5°	687.9
25°	621.4
27.5°	548.9
30°	467.9
32.5°	377.2
35°	284.1
37.5°	205.5
40°	142.7
42.5°	94.3
45°	59.2
47.5°	35.1
50°	20.6
52.5°	12.1
55°	8.5
57.5°	7.3
60°	6.0
62.5°	4.8
65°	3.6
67.5°	2.4
70°	2.4
72.5°	1.2
75°	1.2
77.5°	1.2
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)