

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: P203776

Luminaire Tested: **LD6B40D010 EU6B30508027 6LBNWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203776
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: LD6B40D010 EU6B30508027 6LBNWH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH WHEAT TRIM
WATTAGE D010TR-43.02 W DE010-42.54 W D5LT-42.539 W DMX-41.87 W DL2-41.57
W DL3-44.71 W DLE-39.33 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2692.2 lumens
Efficiency: N/A
Efficacy: 64.4 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

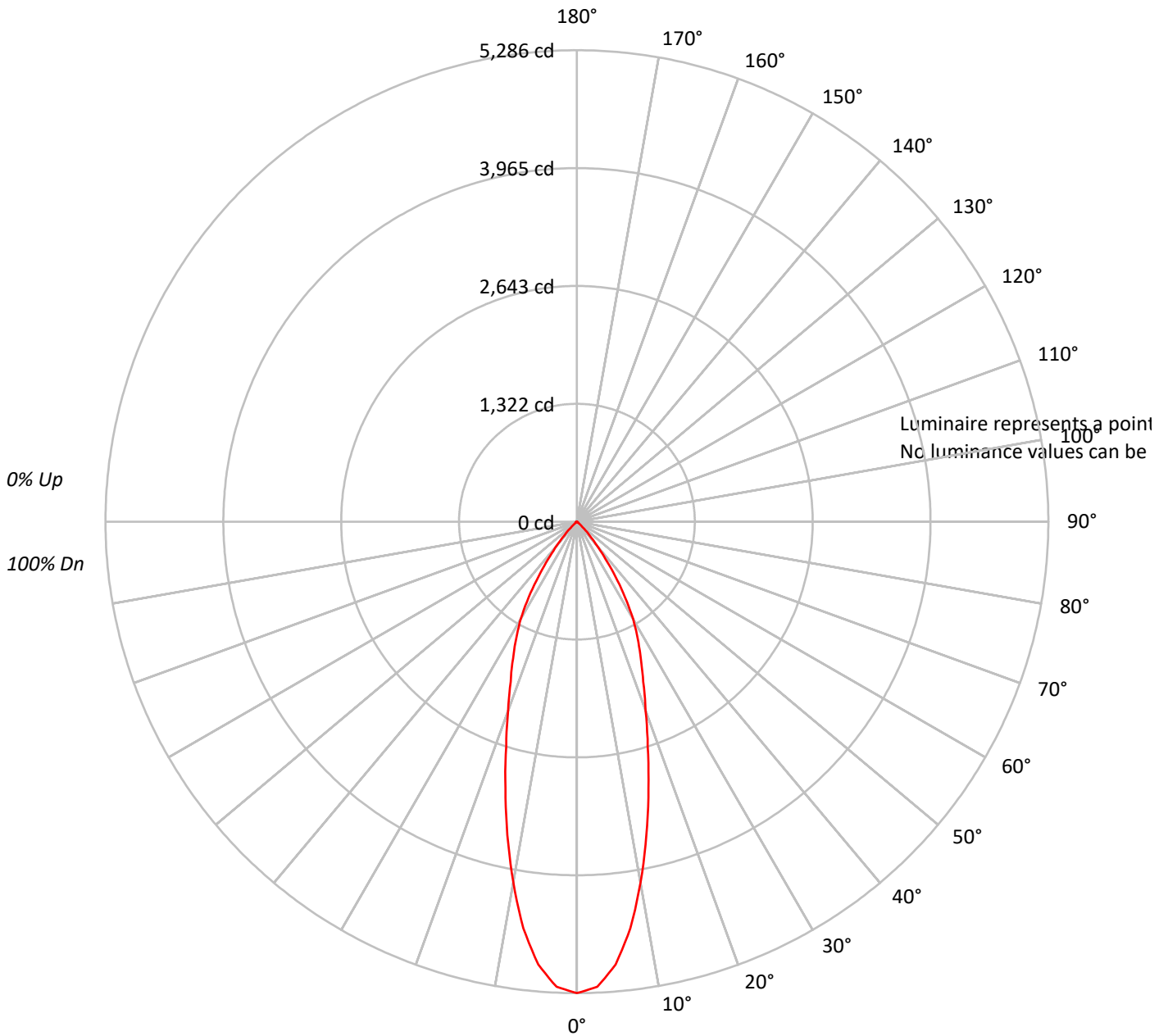
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	447.4	16.6
10°-20°	859.7	31.9
20°-30°	781.6	29.0
30°-40°	473.8	17.6
40°-50°	107.9	4.0
50°-60°	13.7	0.5
60°-70°	6.2	0.2
70°-80°	1.8	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°	2088.8	77.6
0°-40°	2562.5	95.2
0°-60°	2684.2	99.7
0°-90°	2692.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2692.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5286	
5°	4983	447
15°	3096	860
25°	1695	782
35°	751	474
45°	119	108
55°	14	14
65°	5	6
75°	0	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5285.6
2.5°	5221.4
5°	4983.3
7.5°	4598.5
10°	4108.4
12.5°	3600.0
15°	3096.2
17.5°	2638.2
20°	2253.5
22.5°	1942.0
25°	1694.7
27.5°	1474.8
30°	1259.6
32.5°	1007.6
35°	751.2
37.5°	526.7
40°	348.1
42.5°	215.3
45°	119.1
47.5°	55.0
50°	22.9
52.5°	18.3
55°	13.7
57.5°	13.7
60°	9.2
62.5°	9.2
65°	4.6
67.5°	4.6
70°	4.6
72.5°	4.6
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)