

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: P252804

Luminaire Tested: **LD6B40D010 EU6B30508027 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252804
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-2)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B40D010 EU6B30508027 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5084.0 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

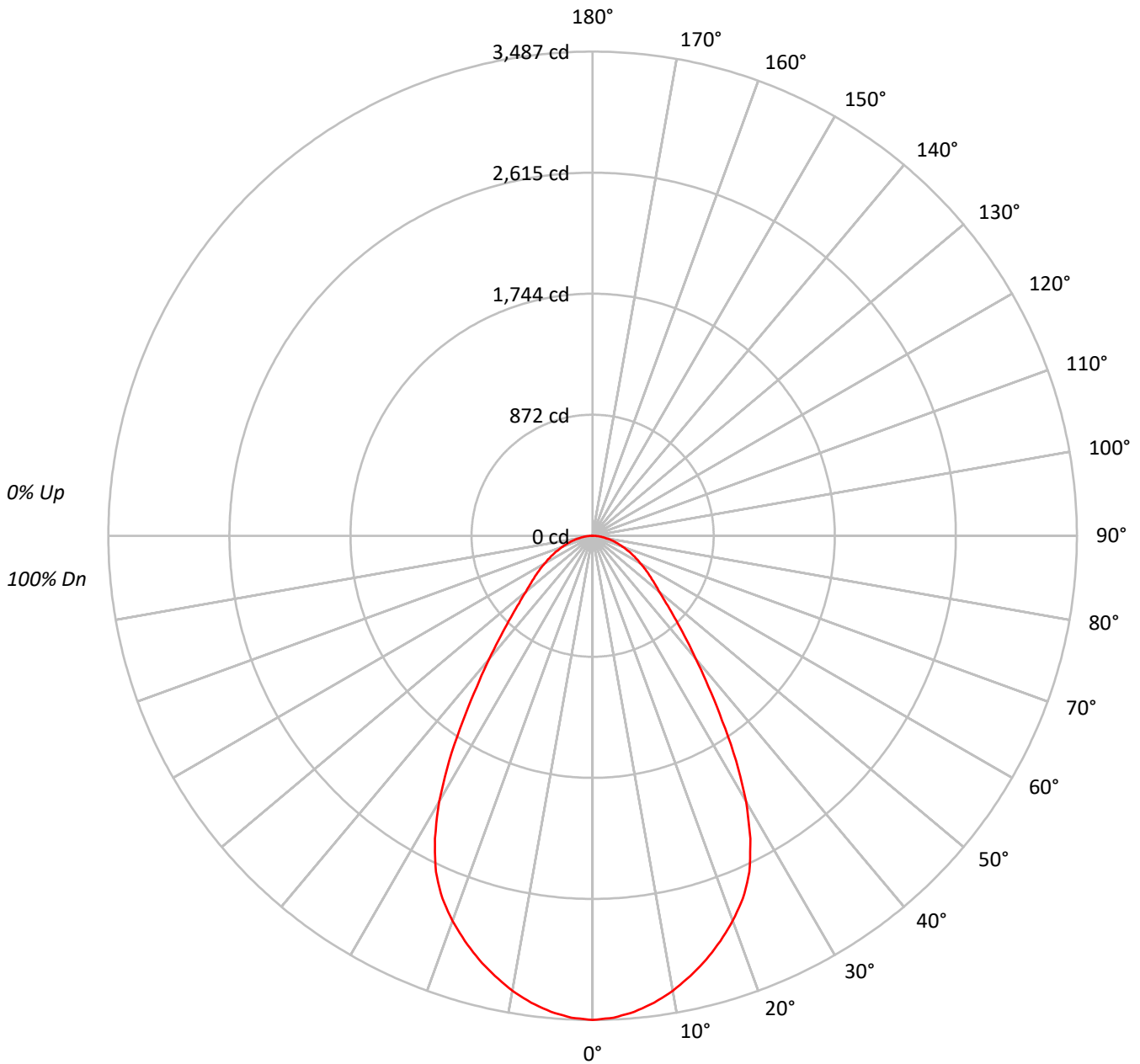
Input Watts (W): 43.02
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88			
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78			
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69			
4	90	80	72	67	87	78	72	66	76	70	66	74	69	65	72	68	64	62			
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	62	58	56			
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51			
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47			
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43			
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39			
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	227494
5°	225403
10°	220444
15°	213440
20°	204818
25°	192279
30°	166381
35°	129549
40°	98460
45°	76755
50°	63659
55°	57133
60°	52023
65°	48010
70°	44102
75°	40861
80°	36932
85°	33835



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.9	6.4
10°-20°	887.9	17.5
20°-30°	1209.3	23.8
30°-40°	1023.3	20.1
40°-50°	656.4	12.9
50°-60°	451.7	8.9
60°-70°	308.6	6.1
70°-80°	171.7	3.4
80°-90°	50.3	1.0
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°	2422.0	47.6
0°-40°	3445.3	67.8
0°-60°	4553.5	89.6
0°-90°	5084.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5084.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3487	
5°	3442	325
15°	3160	888
25°	2671	1209
35°	1627	1023
45°	832	656
55°	502	452
65°	311	309
75°	162	172
85°	45	50
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3487.0
2.5°	3473.7
5°	3441.8
7.5°	3391.3
10°	3327.6
12.5°	3247.8
15°	3160.1
17.5°	3059.1
20°	2950.1
22.5°	2827.9
25°	2671.1
27.5°	2458.5
30°	2208.6
32.5°	1921.6
35°	1626.6
37.5°	1368.8
40°	1156.1
42.5°	978.1
45°	831.9
47.5°	717.6
50°	627.2
52.5°	558.1
55°	502.3
57.5°	449.2
60°	398.7
62.5°	353.5
65°	311.0
67.5°	268.4
70°	231.2
72.5°	194.0
75°	162.1
77.5°	130.2
80°	98.3
82.5°	71.8
85°	45.2
87.5°	18.6
90°	0.0



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— 0°-180°







(END OF REPORT)