

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: P252809

Luminaire Tested: **LD6B40D010 EU6B30509024 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252809
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 EU6B30509024 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3841.0 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

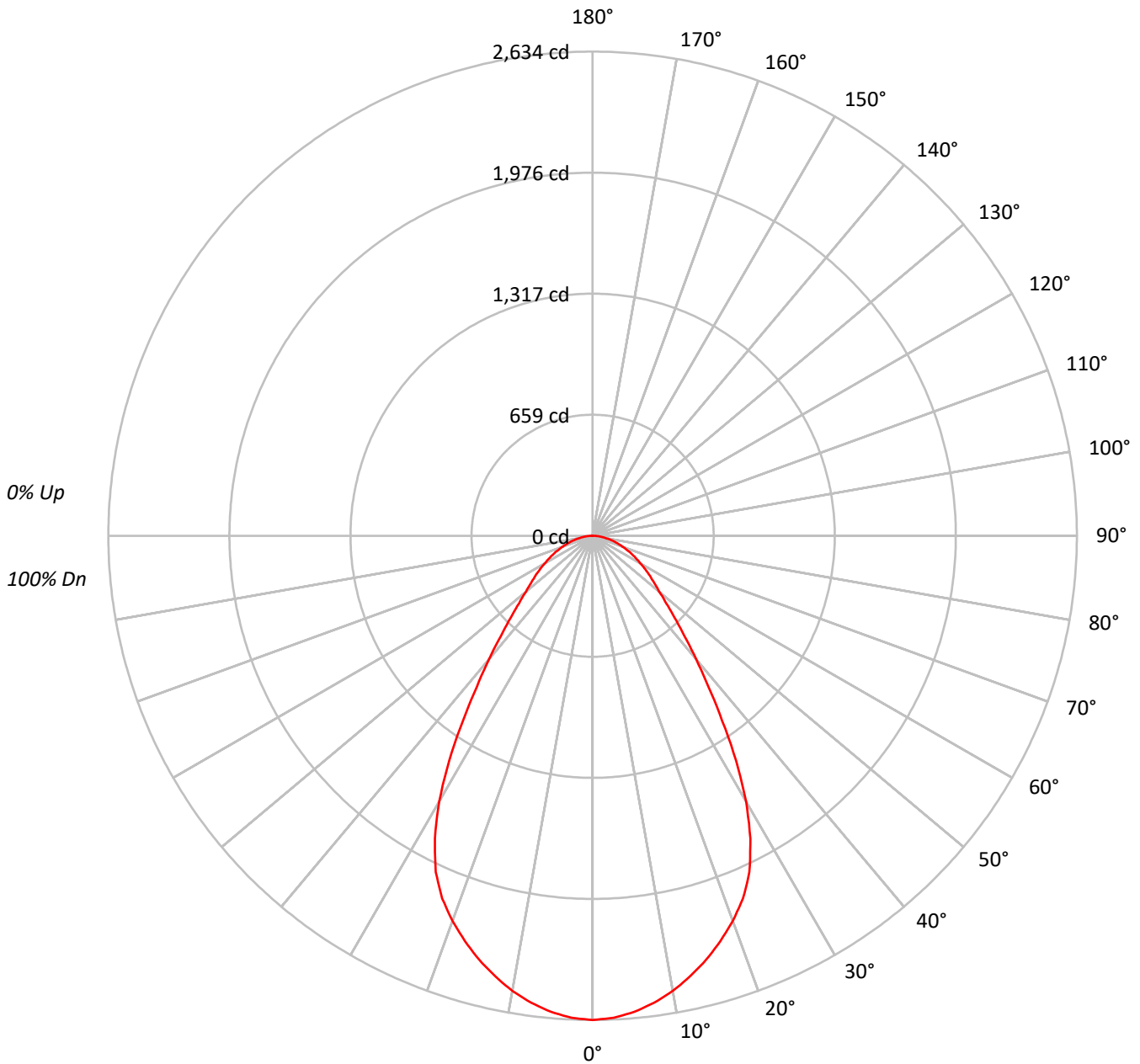
Input Watts (W): 43.02
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	171876
5°	170293
10°	166545
15°	161257
20°	154747
25°	145266
30°	125701
35°	97875
40°	74392
45°	57988
50°	48099
55°	43166
60°	39301
65°	36262
70°	33324
75°	30879
80°	27915
85°	25526



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.4	6.4
10°-20°	670.8	17.5
20°-30°	913.6	23.8
30°-40°	773.1	20.1
40°-50°	496.0	12.9
50°-60°	341.3	8.9
60°-70°	233.1	6.1
70°-80°	129.7	3.4
80°-90°	38.0	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°	1829.9	47.6
0°-40°	2603.0	67.8
0°-60°	3440.2	89.6
0°-90°	3841.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3841.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2634	
5°	2600	245
15°	2388	671
25°	2018	914
35°	1229	773
45°	628	496
55°	380	341
65°	235	233
75°	122	130
85°	34	38
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2634.5
2.5°	2624.4
5°	2600.3
7.5°	2562.2
10°	2514.0
12.5°	2453.8
15°	2387.5
17.5°	2311.2
20°	2228.9
22.5°	2136.5
25°	2018.0
27.5°	1857.4
30°	1668.6
32.5°	1451.8
35°	1228.9
37.5°	1034.1
40°	873.5
42.5°	738.9
45°	628.5
47.5°	542.2
50°	473.9
52.5°	421.7
55°	379.5
57.5°	339.3
60°	301.2
62.5°	267.1
65°	234.9
67.5°	202.8
70°	174.7
72.5°	146.6
75°	122.5
77.5°	98.4
80°	74.3
82.5°	54.2
85°	34.1
87.5°	14.1
90°	0.0



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— 0°-180°







(END OF REPORT)