

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: P252801

Luminaire Tested: **LD6B30D010 EU6B30509050 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252801
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: LD6B30D010 EU6B30509050 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3276.0 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

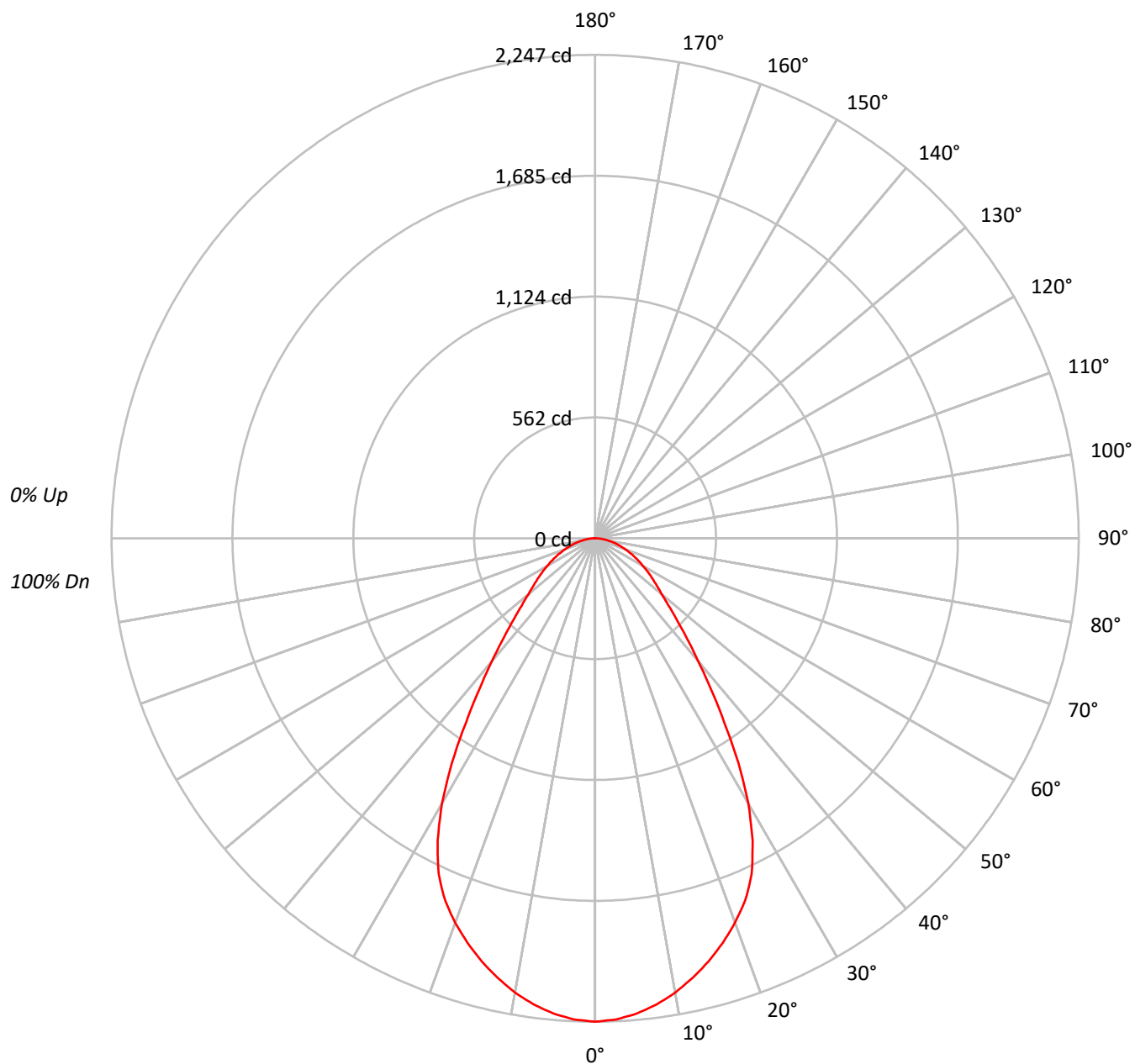
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	107	104	101	108	105	102	99	101	98	96		97	95	93		94
2	103	97	91	87	101	95	90	86	91	87	84		88	85	82		85
3	96	87	81	76	94	86	80	75	83	78	74		81	76	72		78
4	90	80	72	67	87	78	72	66	76	70	66		74	69	65		72
5	84	73	65	60	82	72	65	60	70	64	59		68	63	58		66
6	78	67	60	54	77	66	59	54	65	58	54		63	57	53		62
7	74	62	55	49	72	61	54	49	60	53	49		59	53	49		57
8	69	58	50	45	68	57	50	45	56	49	45		55	49	45		53
9	65	54	46	42	64	53	46	42	52	46	41		51	45	41		50
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	146589
5°	145243
10°	142047
15°	137536
20°	131982
25°	123901
30°	107214
35°	83475
40°	63448
45°	49454
50°	41025
55°	36819
60°	33521
65°	30936
70°	28422
75°	26341
80°	23820
85°	21783



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.3	6.4
10°-20°	572.1	17.5
20°-30°	779.2	23.8
30°-40°	659.4	20.1
40°-50°	423.0	12.9
50°-60°	291.1	8.9
60°-70°	198.9	6.1
70°-80°	110.6	3.4
80°-90°	32.4	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°	1560.7	47.6
0°-40°	2220.1	67.8
0°-60°	2934.1	89.6
0°-90°	3276.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3276.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2247	
5°	2218	209
15°	2036	572
25°	1721	779
35°	1048	659
45°	536	423
55°	324	291
65°	200	199
75°	104	111
85°	29	32
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2246.9
2.5°	2238.4
5°	2217.8
7.5°	2185.3
10°	2144.2
12.5°	2092.8
15°	2036.3
17.5°	1971.2
20°	1901.0
22.5°	1822.2
25°	1721.2
27.5°	1584.2
30°	1423.2
32.5°	1238.2
35°	1048.1
37.5°	882.0
40°	745.0
42.5°	630.2
45°	536.0
47.5°	462.4
50°	404.2
52.5°	359.6
55°	323.7
57.5°	289.4
60°	256.9
62.5°	227.8
65°	200.4
67.5°	173.0
70°	149.0
72.5°	125.0
75°	104.5
77.5°	83.9
80°	63.4
82.5°	46.2
85°	29.1
87.5°	12.0
90°	0.0



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— 0°-180°







(END OF REPORT)