

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: P204098

Luminaire Tested: **LD6B50D010TE EU6B30508027 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204098
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: LD6B50D010TE EU6B30508027 6LBNMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3690.5 lumens
Efficiency: N/A
Efficacy: 62.8 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

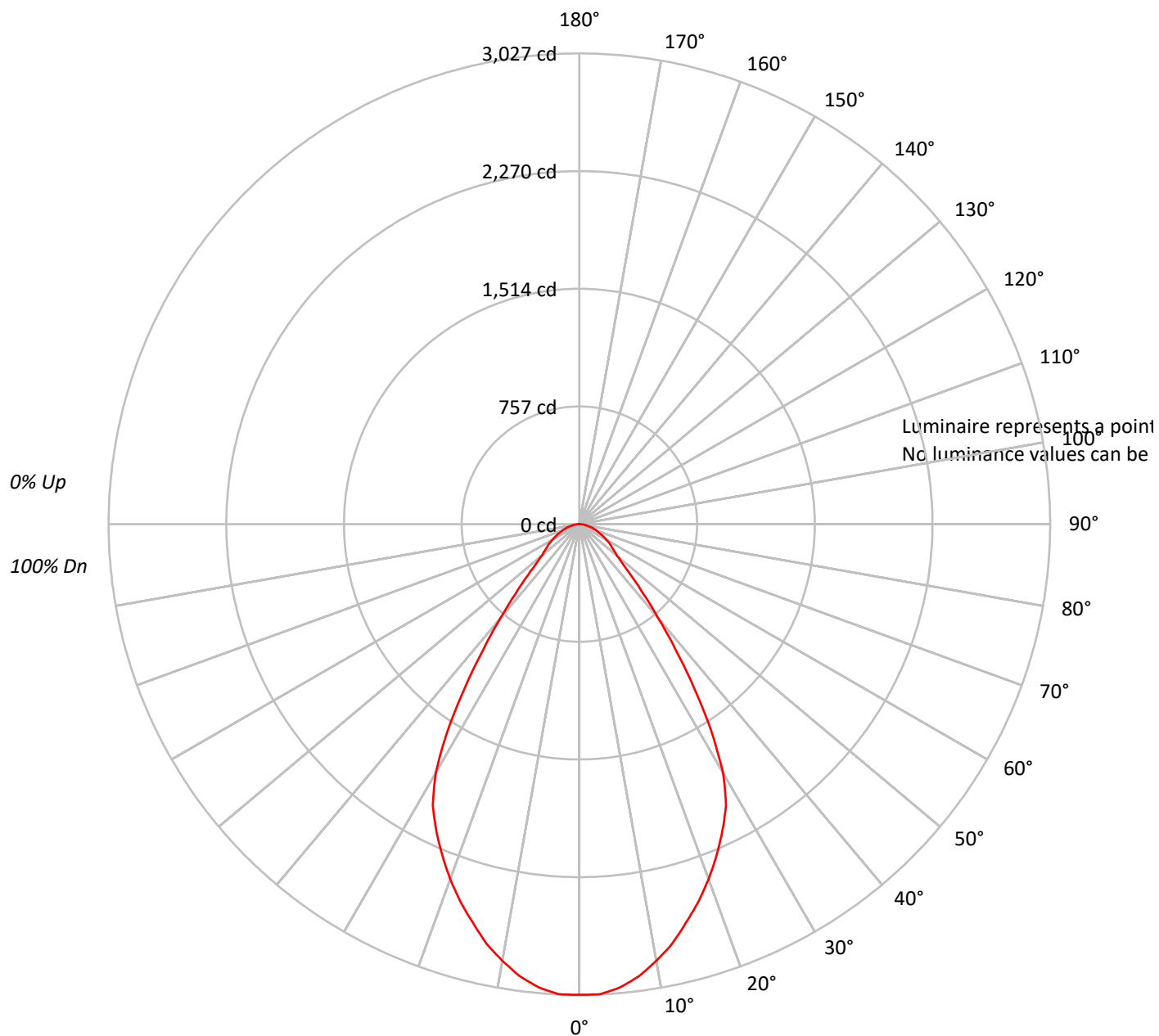
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	108	105	103		109	106	103	101		102	100	98		98	97	95		95	93	92
2	105	99	94	90		102	97	92	89		94	90	87		91	87	85		88	85	83
3	98	90	84	79		96	89	83	79		86	81	77		84	80	76		81	78	75
4	92	83	76	71		90	82	76	71		80	74	70		77	73	69		75	71	68
5	87	77	70	65		85	76	69	64		74	68	64		72	67	63		70	66	62
6	81	71	64	59		80	70	63	59		68	63	58		67	62	58		66	61	57
7	77	66	59	54		75	65	59	54		64	58	54		63	57	53		61	57	53
8	72	61	55	50		71	61	54	50		60	54	49		59	53	49		58	53	49
9	69	58	51	46		67	57	51	46		56	50	46		55	50	46		54	49	46
10	65	54	47	43		64	54	47	43		53	47	43		52	46	43		51	46	43

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.0	7.6
10°-20°	744.9	20.2
20°-30°	994.6	26.9
30°-40°	802.4	21.7
40°-50°	384.5	10.4
50°-60°	227.9	6.2
60°-70°	151.5	4.1
70°-80°	81.2	2.2
80°-90°	22.3	0.6
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°	2020.6	54.8
0°-40°	2822.9	76.5
0°-60°	3435.4	93.1
0°-90°	3690.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3690.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3027	
5°	2991	281
15°	2651	745
25°	2176	995
35°	1284	802
45°	475	385
55°	252	228
65°	152	152
75°	76	81
85°	18	22
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3026.6
2.5°	3026.6
5°	2991.4
7.5°	2932.8
10°	2850.6
12.5°	2762.7
15°	2651.2
17.5°	2545.6
20°	2428.3
22.5°	2305.1
25°	2176.1
27.5°	2041.2
30°	1847.6
32.5°	1577.8
35°	1284.5
37.5°	1014.7
40°	786.0
42.5°	610.0
45°	475.1
47.5°	375.4
50°	316.7
52.5°	281.5
55°	252.2
57.5°	228.8
60°	199.4
62.5°	176.0
65°	152.5
67.5°	129.0
70°	111.4
72.5°	93.8
75°	76.3
77.5°	58.7
80°	46.9
82.5°	35.2
85°	17.6
87.5°	5.9
90°	0.0



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— 0°-180°







(END OF REPORT)