

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: P203573

Luminaire Tested: **LD6B40D010 EU6B30508040 6LBMMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203573
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 EU6B30508040 6LBMMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH MATTE WHITE 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: 3470.5 lumens
Efficiency: N/A
Efficacy: 83.0 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

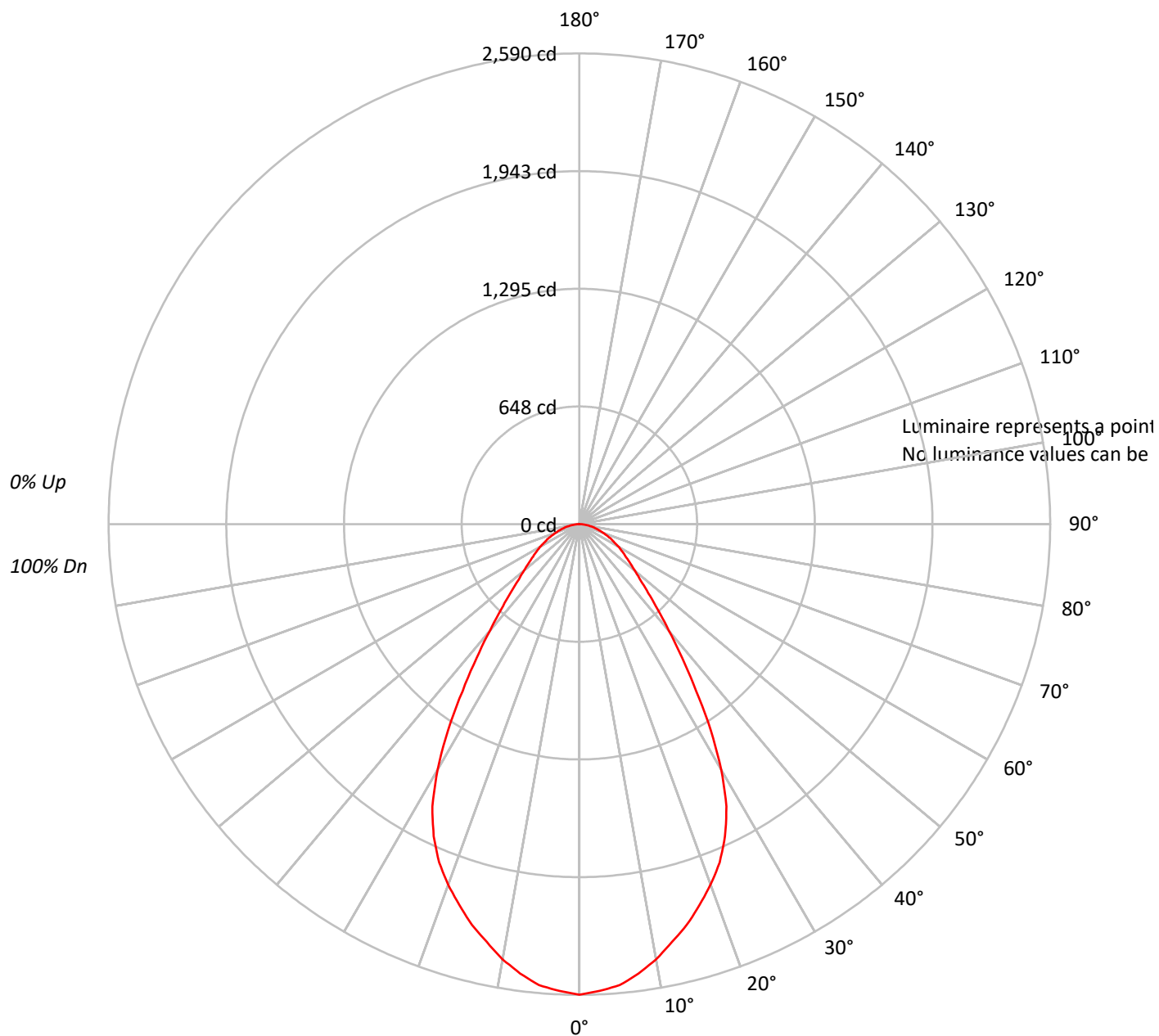
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





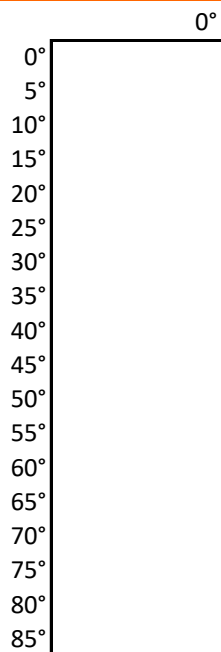
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					10
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	108	104	101		109	105	103	100		101	99	97			98	96	94			94
2	104	97	92	88		101	96	91	87		92	88	85			89	86	83			86
3	97	88	82	77		95	87	81	76		84	79	75			82	77	74			79
4	90	81	74	68		88	80	73	68		77	72	67			75	70	66			73
5	85	74	67	61		83	73	66	61		71	65	61			69	64	60			68
6	79	68	61	56		78	68	61	56		66	60	55			64	59	55			63
7	75	63	56	51		73	63	56	51		61	55	50			60	54	50			59
8	70	59	52	47		69	58	51	47		57	51	46			56	50	46			55
9	66	55	48	43		65	54	48	43		53	47	43			52	47	43			51
10	63	51	45	40		62	51	44	40		50	44	40			49	44	40			48

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.2	6.9
10°-20°	640.8	18.5
20°-30°	860.4	24.8
30°-40°	705.7	20.3
40°-50°	423.8	12.2
50°-60°	281.6	8.1
60°-70°	188.8	5.4
70°-80°	101.6	2.9
80°-90°	28.6	0.8
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°	1740.3	50.1
0°-40°	2446.0	70.5
0°-60°	3151.5	90.8
0°-90°	3470.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3470.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2590	
5°	2546	239
15°	2283	641
25°	1896	860
35°	1120	706
45°	536	424
55°	311	282
65°	192	189
75°	96	102
85°	24	29
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2589.6
2.5°	2570.4
5°	2546.5
7.5°	2493.8
10°	2431.6
12.5°	2355.0
15°	2283.2
17.5°	2197.1
20°	2110.9
22.5°	2015.2
25°	1895.5
27.5°	1751.9
30°	1560.4
32.5°	1345.0
35°	1120.1
37.5°	928.6
40°	765.9
42.5°	636.6
45°	536.1
47.5°	454.7
50°	397.3
52.5°	349.4
55°	311.1
57.5°	277.6
60°	248.9
62.5°	215.4
65°	191.5
67.5°	162.7
70°	138.8
72.5°	114.9
75°	95.7
77.5°	76.6
80°	57.4
82.5°	43.1
85°	23.9
87.5°	9.6
90°	0.0



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— 0°-180°







(END OF REPORT)