

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: P205422

Luminaire Tested: **LD6B40D010 EU6B30508040 6LBSLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205422
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 6LBSLI1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SPECULAR CLEAR 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: 4665.4 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

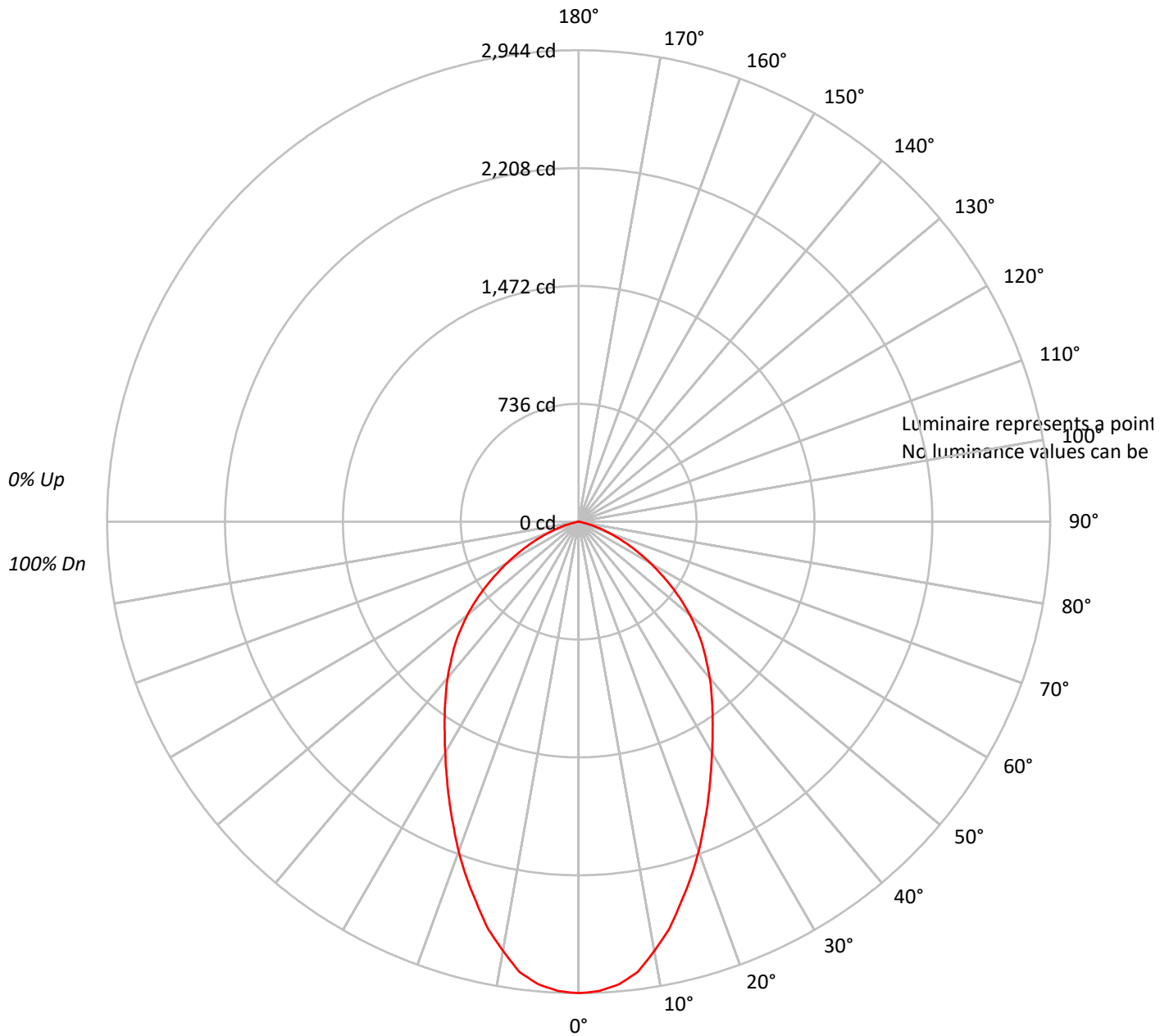
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	107	104	101		109	105	102	99		101	99	96		97	95	93		94	92	91
2	103	96	91	86		100	94	89	85		91	87	83		88	84	81		85	82	79
3	95	86	79	74		93	85	78	73		82	76	72		79	75	71		77	73	70
4	88	78	70	64		86	77	69	64		74	68	63		72	67	62		70	65	62
5	82	71	63	57		80	70	62	57		67	61	56		66	60	55		64	59	55
6	76	64	56	51		74	63	56	51		62	55	50		60	54	50		59	53	49
7	71	59	51	46		70	58	51	45		57	50	45		55	49	45		54	49	45
8	67	54	47	41		65	54	46	41		52	46	41		51	45	41		50	45	41
9	63	50	43	38		61	50	43	38		49	42	38		48	42	37		47	41	37
10	59	47	40	35		58	46	39	35		45	39	35		45	39	34		44	38	34

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.3	5.8
10°-20°	690.6	14.8
20°-30°	880.7	18.9
30°-40°	913.4	19.6
40°-50°	841.6	18.0
50°-60°	633.1	13.6
60°-70°	341.7	7.3
70°-80°	91.7	2.0
80°-90°	1.3	0.0
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°	1842.6	39.5
0°-40°	2756.0	59.1
0°-60°	4230.7	90.7
0°-90°	4665.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4665.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2944	
5°	2900	271
15°	2463	691
25°	1913	881
35°	1457	913
45°	1095	842
55°	709	633
65°	342	342
75°	79	92
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2944.1
2.5°	2934.2
5°	2899.5
7.5°	2835.0
10°	2721.0
12.5°	2607.0
15°	2463.3
17.5°	2329.5
20°	2190.7
22.5°	2047.0
25°	1913.2
27.5°	1784.3
30°	1665.3
32.5°	1556.3
35°	1457.2
37.5°	1363.0
40°	1273.8
42.5°	1179.6
45°	1095.4
47.5°	1001.2
50°	907.0
52.5°	807.9
55°	708.8
57.5°	609.6
60°	515.5
62.5°	426.2
65°	342.0
67.5°	262.7
70°	193.3
72.5°	133.8
75°	79.3
77.5°	34.7
80°	9.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)