

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: P203167

Luminaire Tested: **LD6B40D010 EU6B30509040 6LBWMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203167
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 EU6B30509040 6LBWMW1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE 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: 3426.4 lumens
Efficiency: N/A
Efficacy: 82.0 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

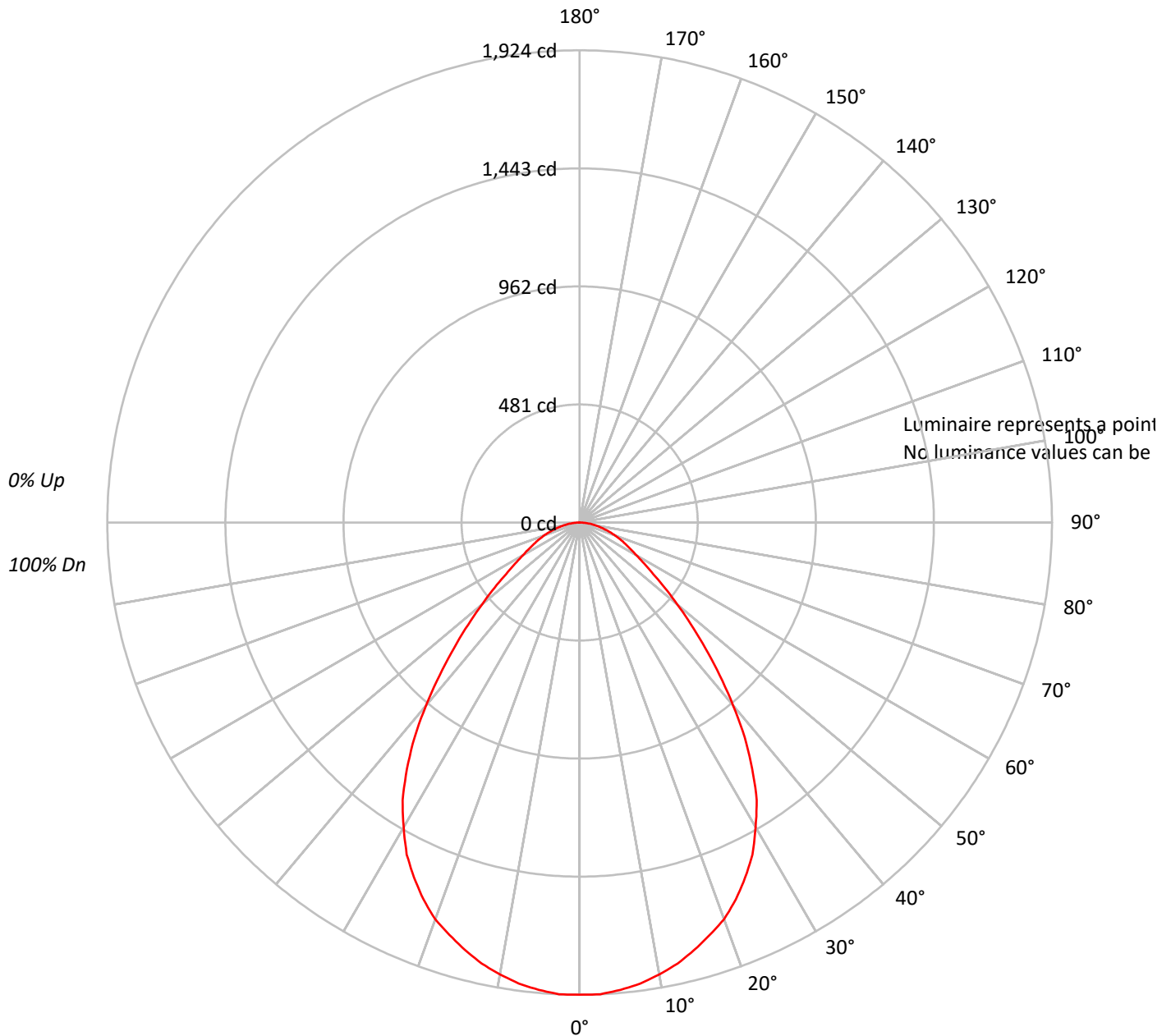
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	108	105	102	99		101	98	96			97	95	93			93
2	103	96	90	86	100	94	89	85		91	86	83			88	84	81			85
3	95	86	80	74	93	85	79	74		82	77	72			80	75	71			77
4	89	78	71	65	86	77	70	65		75	69	64			72	67	63			70
5	82	71	64	58	80	70	63	58		68	62	57			66	61	56			65
6	77	65	57	52	75	64	57	52		63	56	51			61	55	51			60
7	72	60	52	47	70	59	52	47		58	51	46			56	50	46			55
8	67	55	48	42	66	55	47	42		53	47	42			52	46	42			51
9	63	51	44	39	62	51	44	39		50	43	39			49	43	38			48
10	60	48	40	36	58	47	40	36		46	40	36			45	40	35			45

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.2	5.3
10°-20°	508.2	14.8
20°-30°	732.2	21.4
30°-40°	760.2	22.2
40°-50°	562.0	16.4
50°-60°	335.7	9.8
60°-70°	204.0	6.0
70°-80°	111.7	3.3
80°-90°	31.1	0.9
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°	1421.6	41.5
0°-40°	2181.8	63.7
0°-60°	3079.5	89.9
0°-90°	3426.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3426.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1924	
5°	1912	181
15°	1804	508
25°	1596	732
35°	1226	760
45°	723	562
55°	366	336
65°	204	204
75°	104	112
85°	25	31
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1924.1
2.5°	1924.1
5°	1911.7
7.5°	1895.0
10°	1870.1
12.5°	1841.0
15°	1803.6
17.5°	1762.0
20°	1720.5
22.5°	1662.3
25°	1595.8
27.5°	1525.2
30°	1433.7
32.5°	1342.3
35°	1226.0
37.5°	1105.4
40°	972.5
42.5°	843.6
45°	723.1
47.5°	615.1
50°	519.5
52.5°	436.4
55°	365.7
57.5°	311.7
60°	266.0
62.5°	232.7
65°	203.6
67.5°	178.7
70°	153.8
72.5°	128.8
75°	103.9
77.5°	83.1
80°	62.3
82.5°	45.7
85°	24.9
87.5°	12.5
90°	0.0



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— 0°-180°







(END OF REPORT)