

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: P202661

Luminaire Tested: **LD6B50D010TE EU6B30509024 6LBMWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202661
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 EU6B30509024 6LBMWMH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH WARM HAZE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3030.2 lumens
Efficiency: N/A
Efficacy: 51.6 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.89
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

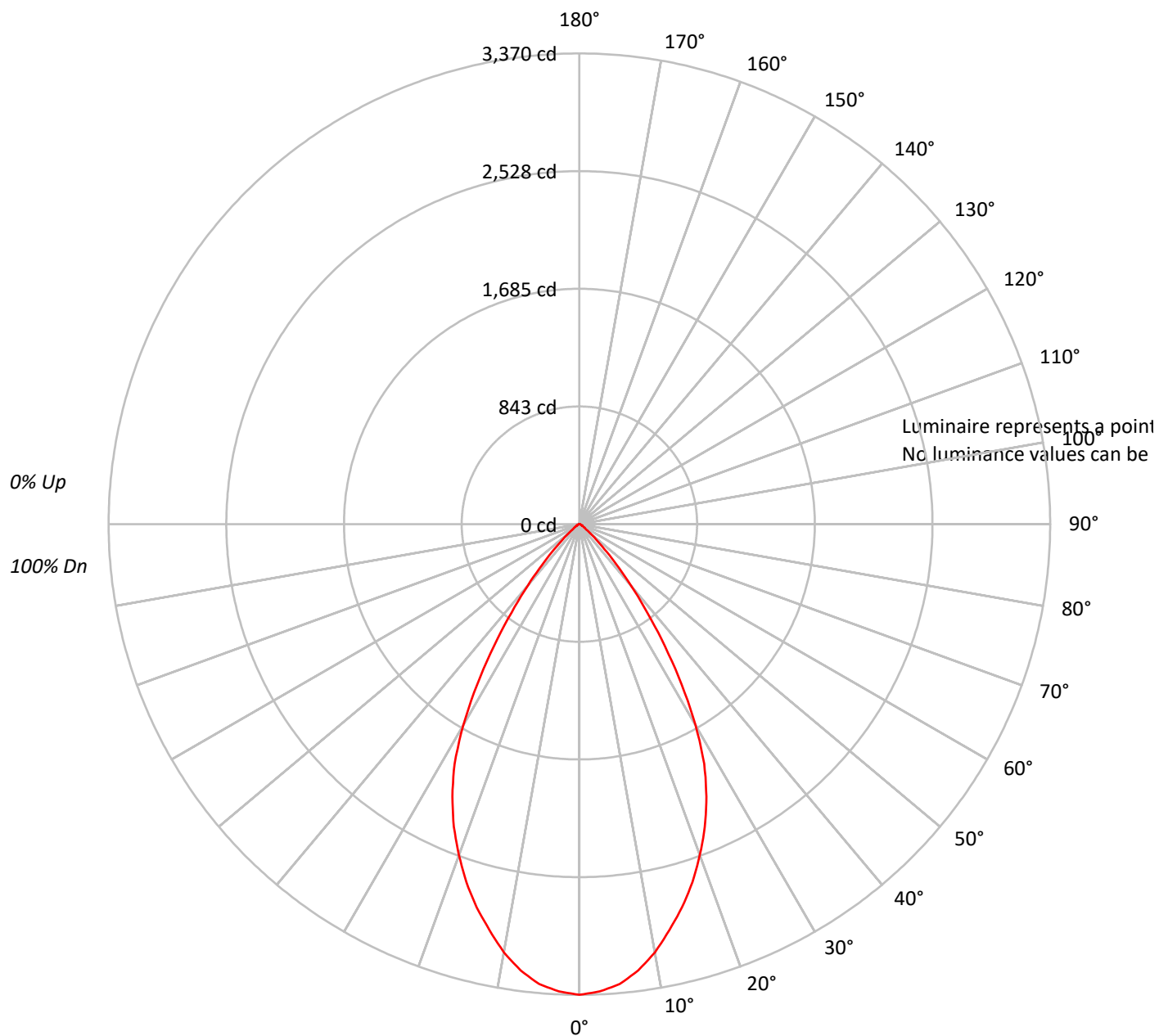
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	111	108	106		111	108	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	95		105	101	97	94		98	95	92		95	92	90		92	90	88
3	102	95	90	86		100	94	89	86		91	88	84		89	86	83		87	84	82
4	97	89	83	79		95	88	83	79		86	81	78		84	80	77		82	79	76
5	92	83	77	73		90	82	77	73		80	76	72		79	75	71		77	74	71
6	87	78	72	67		85	77	71	67		76	71	67		74	70	66		73	69	66
7	83	73	67	63		81	72	67	63		71	66	62		70	65	62		69	65	61
8	78	69	63	58		77	68	62	58		67	62	58		66	61	58		65	61	58
9	75	65	59	55		73	64	59	55		63	58	54		62	58	54		62	57	54
10	71	61	55	51		70	61	55	51		60	55	51		59	54	51		58	54	51

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.3	10.2
10°-20°	793.9	26.2
20°-30°	975.2	32.2
30°-40°	668.7	22.1
40°-50°	214.9	7.1
50°-60°	43.6	1.4
60°-70°	17.1	0.6
70°-80°	6.4	0.2
80°-90°	1.1	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°	2078.4	68.6
0°-40°	2747.0	90.7
0°-60°	3005.5	99.2
0°-90°	3030.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3030.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3370	
5°	3305	309
15°	2840	794
25°	2151	975
35°	1067	669
45°	254	215
55°	44	44
65°	18	17
75°	5	6
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3369.7
2.5°	3349.1
5°	3305.4
7.5°	3223.2
10°	3112.7
12.5°	2976.4
15°	2840.2
17.5°	2688.6
20°	2521.5
22.5°	2346.7
25°	2151.4
27.5°	1935.5
30°	1663.0
32.5°	1362.3
35°	1066.7
37.5°	796.8
40°	573.2
42.5°	390.7
45°	254.5
47.5°	156.8
50°	95.1
52.5°	59.1
55°	43.7
57.5°	33.4
60°	25.7
62.5°	20.6
65°	18.0
67.5°	12.9
70°	10.3
72.5°	7.7
75°	5.1
77.5°	5.1
80°	2.6
82.5°	2.6
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)