

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: P204524

Luminaire Tested: **LD6B60D010TE EU6B60708030 6LBSB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204524
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: LD6B60D010TE EU6B60708030 6LBSB1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SPECULAR BLACK TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5466.8 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.3
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

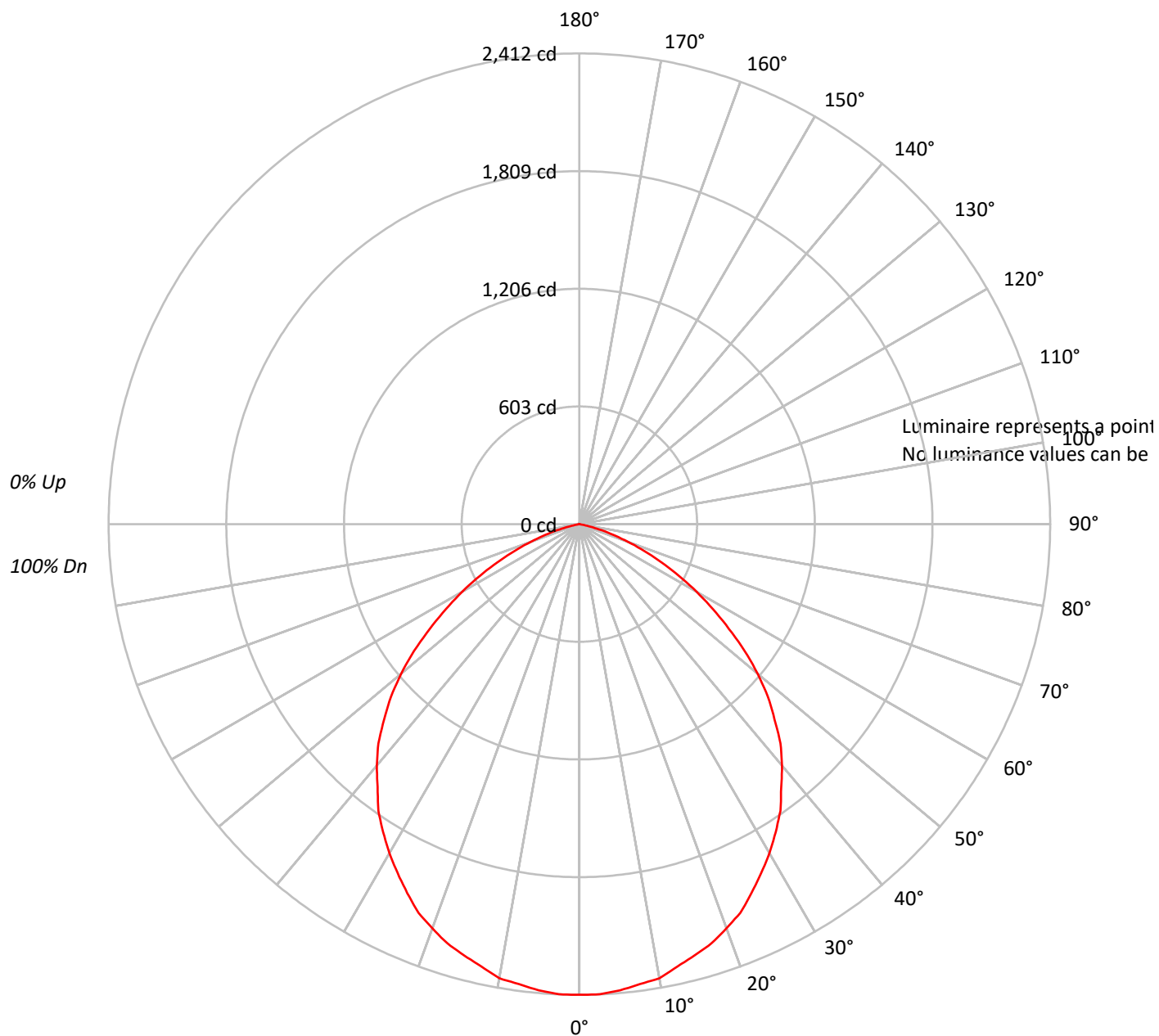
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	100		108	105	101	98		100	98	95		97	94	93		93	91	90
2	102	95	89	84		100	93	88	83		90	85	81		86	83	79		84	80	78
3	94	84	77	72		91	83	76	71		80	74	70		77	73	68		75	71	67
4	86	76	68	62		84	74	67	61		72	65	60		70	64	60		68	63	59
5	80	68	60	54		78	67	59	53		65	58	53		63	57	52		61	56	52
6	74	62	53	47		72	61	53	47		59	52	47		57	51	46		56	50	46
7	69	56	48	42		67	55	48	42		54	47	42		52	46	41		51	45	41
8	64	51	43	38		63	51	43	38		49	42	37		48	42	37		47	41	37
9	60	47	39	34		59	47	39	34		46	39	34		45	38	34		44	38	34
10	56	44	36	31		55	43	36	31		42	36	31		41	35	31		40	35	31

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.6	4.2
10°-20°	645.8	11.8
20°-30°	960.7	17.6
30°-40°	1117.9	20.4
40°-50°	1089.7	19.9
50°-60°	838.1	15.3
60°-70°	463.3	8.5
70°-80°	122.7	2.2
80°-90°	0.9	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°	1834.1	33.6
0°-40°	2952.1	54.0
0°-60°	4879.9	89.3
0°-90°	5466.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5466.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2412	
5°	2398	228
15°	2287	646
25°	2086	961
35°	1795	1118
45°	1414	1090
55°	936	838
65°	464	463
75°	104	123
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2411.6
2.5°	2411.6
5°	2397.7
7.5°	2377.0
10°	2363.1
12.5°	2321.5
15°	2286.9
17.5°	2252.2
20°	2203.7
22.5°	2155.2
25°	2085.9
27.5°	2016.6
30°	1947.3
32.5°	1871.1
35°	1794.8
37.5°	1697.8
40°	1614.7
42.5°	1524.6
45°	1413.7
47.5°	1309.8
50°	1191.9
52.5°	1067.2
55°	935.5
57.5°	810.8
60°	693.0
62.5°	575.2
65°	464.3
67.5°	360.4
70°	263.3
72.5°	180.2
75°	103.9
77.5°	48.5
80°	6.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)