

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: P202873

Luminaire Tested: **LD6B50D010TE EU6B30509727 6LBWWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202873
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 EU6B30509727 6LBWWH1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH WHEAT TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3490.6 lumens
Efficiency: N/A
Efficacy: 59.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.18
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

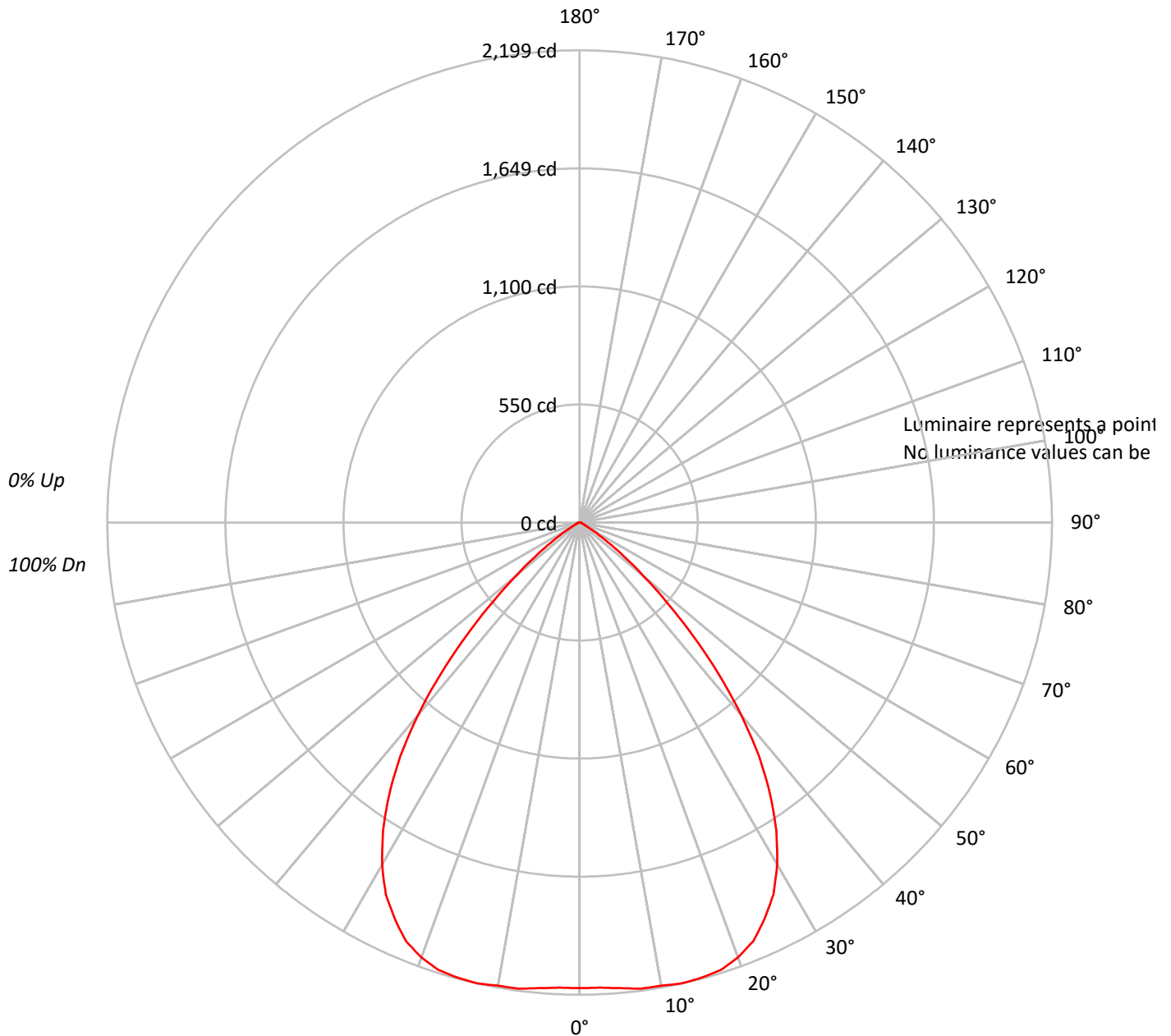
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	107	104		110	107	105	102		103	101	99		99	98	96		96	95	93
2	106	100	96	92		104	98	94	91		95	92	89		92	89	87		89	87	85
3	99	92	86	81		97	90	85	81		88	83	79		85	81	78		83	80	77
4	93	84	78	73		91	83	77	72		81	76	71		79	74	71		77	73	70
5	87	77	71	66		85	76	70	65		75	69	65		73	68	64		71	67	63
6	82	71	64	59		80	71	64	59		69	63	59		67	62	58		66	61	58
7	77	66	59	54		75	65	59	54		64	58	54		63	57	53		61	57	53
8	72	61	54	49		71	61	54	49		59	53	49		58	53	49		57	52	49
9	68	57	50	45		67	56	50	45		55	49	45		54	49	45		53	48	45
10	64	53	46	42		63	53	46	42		52	46	42		51	45	42		50	45	41

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.4	6.0
10°-20°	619.7	17.8
20°-30°	932.8	26.7
30°-40°	953.8	27.3
40°-50°	579.3	16.6
50°-60°	163.1	4.7
60°-70°	24.8	0.7
70°-80°	8.1	0.2
80°-90°	0.6	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°	1760.9	50.4
0°-40°	2714.7	77.8
0°-60°	3457.1	99.0
0°-90°	3490.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3490.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2168	
5°	2177	208
15°	2194	620
25°	2037	933
35°	1546	954
45°	745	579
55°	162	163
65°	22	25
75°	9	8
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2168.0
2.5°	2168.0
5°	2176.7
7.5°	2189.9
10°	2189.9
12.5°	2198.6
15°	2194.3
17.5°	2185.5
20°	2154.8
22.5°	2111.0
25°	2036.6
27.5°	1953.4
30°	1839.5
32.5°	1703.7
35°	1546.1
37.5°	1370.9
40°	1169.4
42.5°	959.2
45°	744.6
47.5°	551.9
50°	389.8
52.5°	262.8
55°	162.1
57.5°	96.4
60°	48.2
62.5°	30.7
65°	21.9
67.5°	17.5
70°	13.1
72.5°	8.8
75°	8.8
77.5°	4.4
80°	4.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)