

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: P202759

Luminaire Tested: **LD6B50D010TE EU6B30508027 6LBWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202759
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 EU6B30508027 6LBWH1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4522.3 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

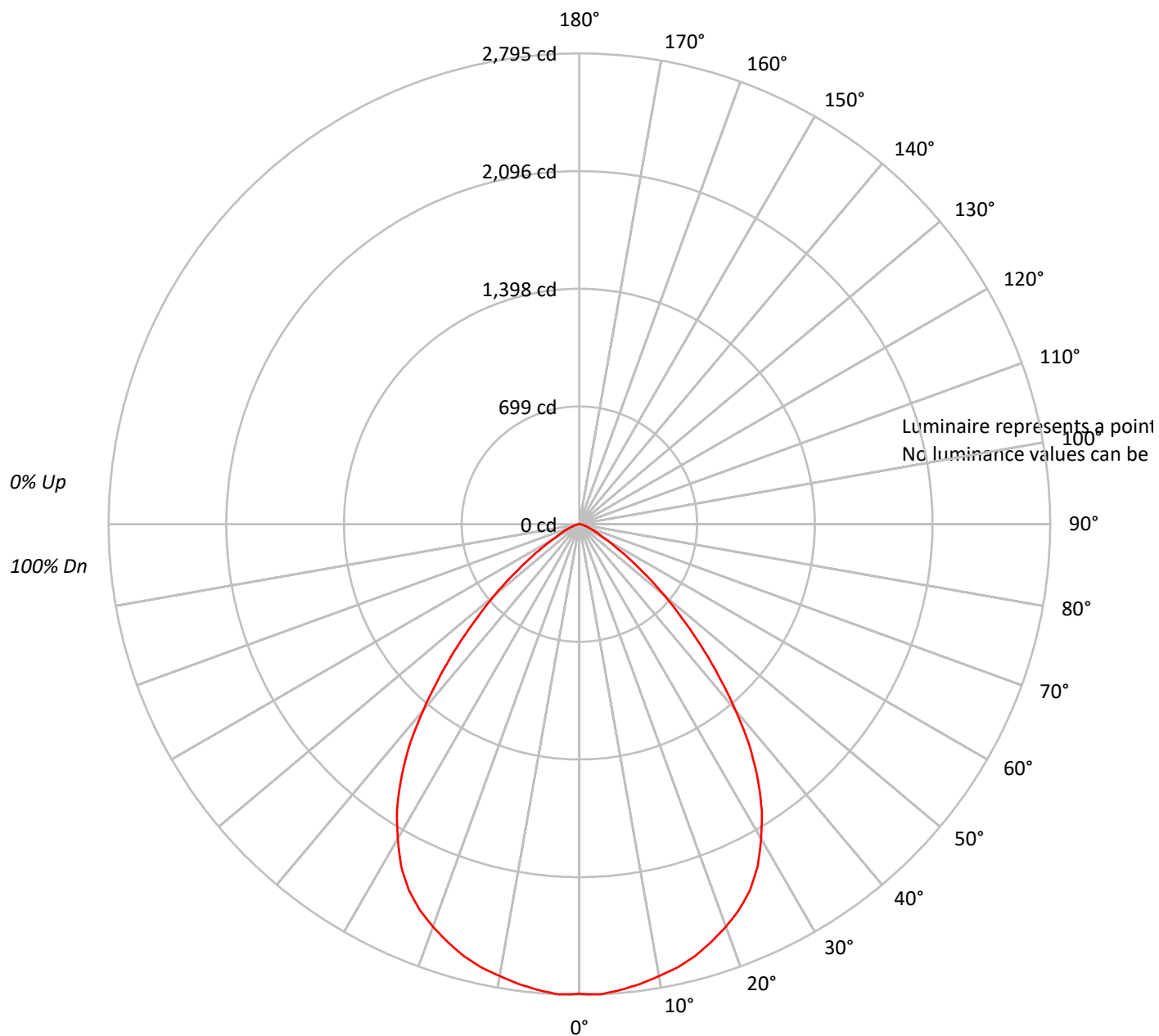
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	103	110	107	104	101	103	100	98		99	97	95		95
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88
3	98	90	84	79	96	89	83	78	86	81	77		83	79	76		81
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	75	68	63	84	74	68	63	72	66	62		71	65	61		69
6	80	69	62	57	78	68	61	56	67	61	56		65	60	56		64
7	75	64	56	51	73	63	56	51	62	55	51		60	55	51		59
8	70	59	52	47	69	58	51	47	57	51	46		56	50	46		55
9	66	55	48	43	65	54	47	43	53	47	43		52	47	42		51
10	62	51	44	40	61	50	44	39	50	43	39		49	43	39		48

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.4	5.8
10°-20°	747.5	16.5
20°-30°	1096.0	24.2
30°-40°	1140.7	25.2
40°-50°	789.2	17.5
50°-60°	343.6	7.6
60°-70°	105.4	2.3
70°-80°	31.6	0.7
80°-90°	4.8	0.1
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°	2107.0	46.6
0°-40°	3247.8	71.8
0°-60°	4380.6	96.9
0°-90°	4522.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4522.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2789	
5°	2778	263
15°	2655	748
25°	2397	1096
35°	1846	1141
45°	1020	789
55°	369	344
65°	100	105
75°	29	32
85°	6	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2789.3
2.5°	2795.2
5°	2777.6
7.5°	2754.2
10°	2724.9
12.5°	2695.6
15°	2654.6
17.5°	2601.8
20°	2543.2
22.5°	2478.8
25°	2396.7
27.5°	2291.2
30°	2156.5
32.5°	2015.8
35°	1845.9
37.5°	1658.4
40°	1441.5
42.5°	1224.7
45°	1019.6
47.5°	826.3
50°	656.3
52.5°	498.1
55°	369.2
57.5°	263.7
60°	181.7
62.5°	134.8
65°	99.6
67.5°	76.2
70°	52.7
72.5°	41.0
75°	29.3
77.5°	17.6
80°	11.7
82.5°	5.9
85°	5.9
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)