

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: P202775

Luminaire Tested: **LD6B60D010TE EU6B60708040 6LBWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202775
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 EU6B60708040 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: 5471.4 lumens
Efficiency: N/A
Efficacy: 87.6 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

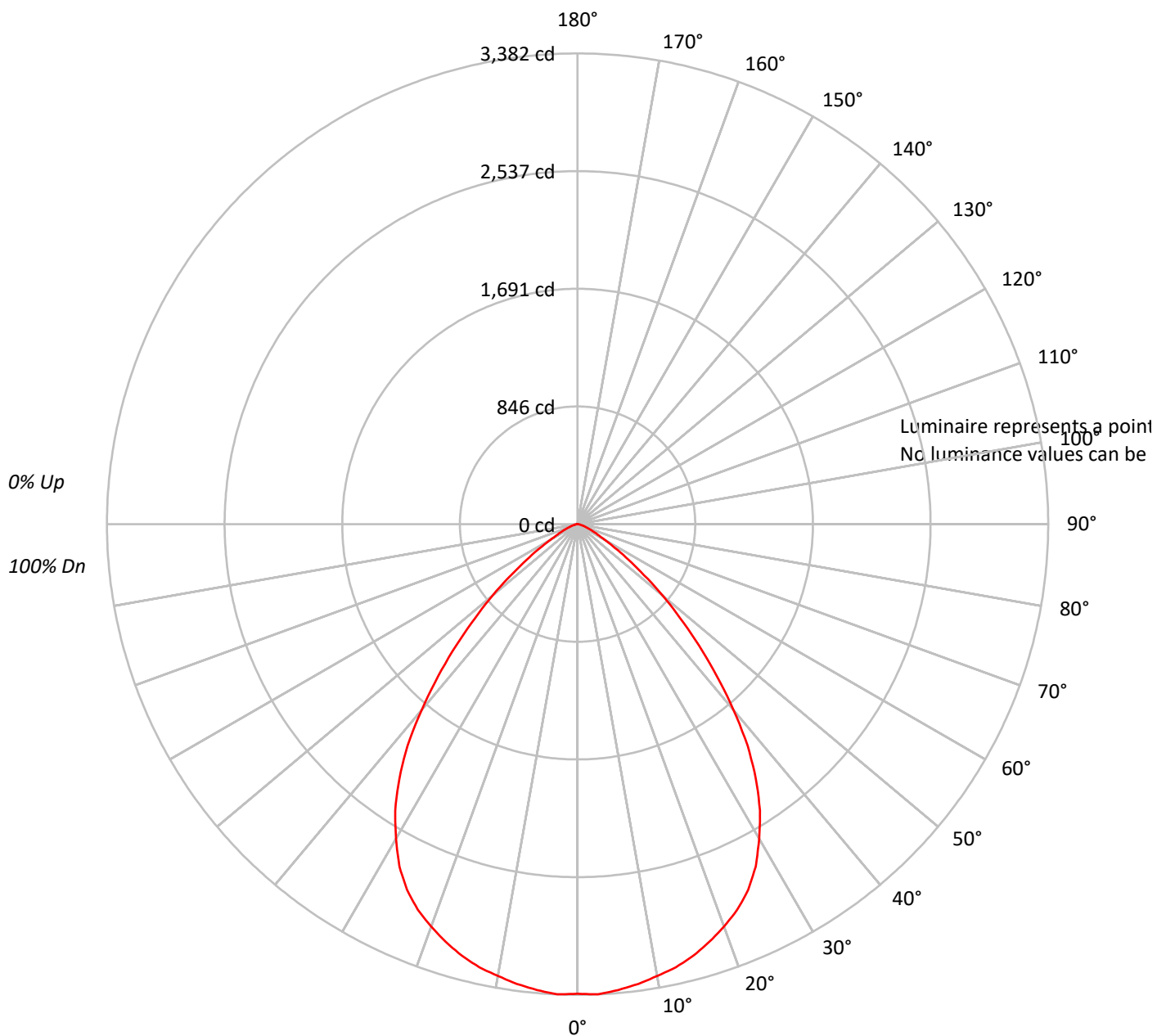
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10	50	30
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91	
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81	
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73	
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65	
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59	
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53	
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49	
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44	
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41	
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38	

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.7	5.8
10°-20°	904.4	16.5
20°-30°	1326.1	24.2
30°-40°	1380.1	25.2
40°-50°	954.9	17.5
50°-60°	415.7	7.6
60°-70°	127.5	2.3
70°-80°	38.2	0.7
80°-90°	5.8	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°	2549.2	46.6
0°-40°	3929.3	71.8
0°-60°	5299.9	96.9
0°-90°	5471.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5471.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3375	
5°	3360	319
15°	3212	904
25°	2900	1326
35°	2233	1380
45°	1234	955
55°	447	416
65°	120	127
75°	35	38
85°	7	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3374.7
2.5°	3381.8
5°	3360.5
7.5°	3332.2
10°	3296.7
12.5°	3261.3
15°	3211.7
17.5°	3147.8
20°	3076.9
22.5°	2999.0
25°	2899.7
27.5°	2772.1
30°	2609.0
32.5°	2438.9
35°	2233.3
37.5°	2006.4
40°	1744.1
42.5°	1481.8
45°	1233.6
47.5°	999.7
50°	794.1
52.5°	602.6
55°	446.7
57.5°	319.0
60°	219.8
62.5°	163.1
65°	120.5
67.5°	92.2
70°	63.8
72.5°	49.6
75°	35.4
77.5°	21.3
80°	14.2
82.5°	7.1
85°	7.1
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)