

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: P205446

Luminaire Tested: **LD6B60D010TE EU6B60708030 6LBSLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205446
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 6LBSLI1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SPECULAR CLEAR TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6438.4 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

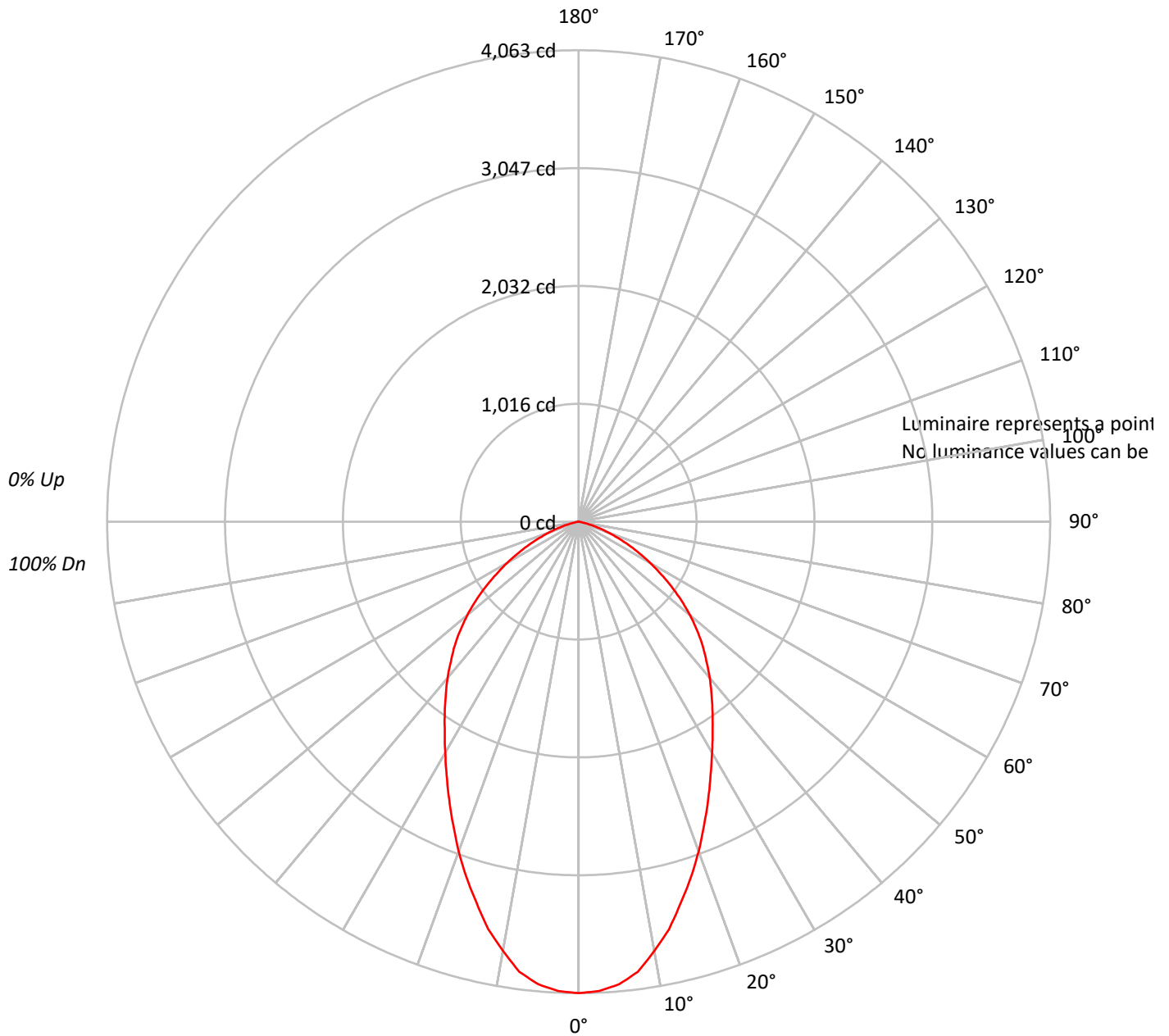
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
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	104	101	109	105	102	99		101	99	96		97	95	93		94	92	91
2	103	96	91	86	100	94	89	85		91	87	83		88	84	81		85	82	79
3	95	86	79	74	93	85	78	73		82	76	72		79	75	71		77	73	70
4	88	78	70	64	86	77	69	64		74	68	63		72	67	62		70	65	62
5	82	71	63	57	80	70	62	57		67	61	56		66	60	55		64	59	55
6	76	64	56	51	74	63	56	51		62	55	50		60	54	50		59	53	49
7	71	59	51	46	70	58	51	45		57	50	45		55	49	45		54	49	45
8	67	54	47	41	65	54	46	41		52	46	41		51	45	41		50	45	41
9	63	50	43	38	61	50	43	38		49	42	38		48	42	37		47	41	37
10	59	47	40	35	58	46	39	35		45	39	35		45	39	34		44	38	34

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	374.4	5.8
10°-20°	953.1	14.8
20°-30°	1215.4	18.9
30°-40°	1260.5	19.6
40°-50°	1161.4	18.0
50°-60°	873.6	13.6
60°-70°	471.6	7.3
70°-80°	126.5	2.0
80°-90°	1.9	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°	2542.9	39.5
0°-40°	3803.4	59.1
0°-60°	5838.4	90.7
0°-90°	6438.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6438.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4063	
5°	4001	374
15°	3400	953
25°	2640	1215
35°	2011	1260
45°	1512	1161
55°	978	874
65°	472	472
75°	109	127
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4062.9
2.5°	4049.3
5°	4001.4
7.5°	3912.5
10°	3755.1
12.5°	3597.8
15°	3399.5
17.5°	3214.8
20°	3023.3
22.5°	2824.9
25°	2640.2
27.5°	2462.4
30°	2298.2
32.5°	2147.8
35°	2011.0
37.5°	1881.0
40°	1757.9
42.5°	1627.9
45°	1511.6
47.5°	1381.7
50°	1251.7
52.5°	1114.9
55°	978.1
57.5°	841.3
60°	711.4
62.5°	588.2
65°	472.0
67.5°	362.5
70°	266.8
72.5°	184.7
75°	109.4
77.5°	47.9
80°	13.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)