

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: P204841

Luminaire Tested: **LD6B60D010TE EU6B60709030 6LBCSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204841
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 EU6B60709030 6LBCSMW1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5601.8 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

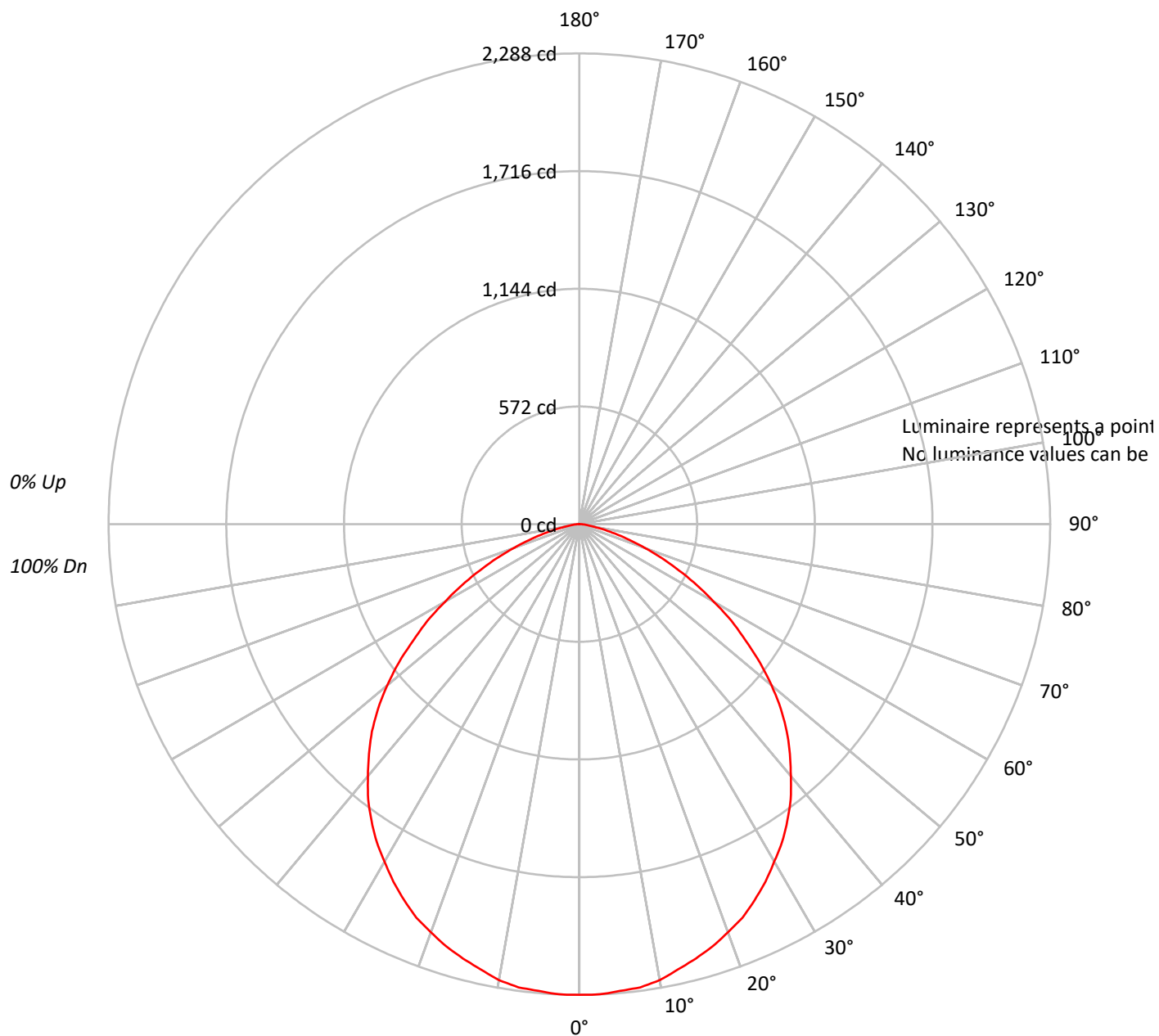
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.8	3.9
10°-20°	617.1	11.0
20°-30°	928.4	16.6
30°-40°	1100.2	19.6
40°-50°	1094.9	19.5
50°-60°	882.6	15.8
60°-70°	534.0	9.5
70°-80°	198.2	3.5
80°-90°	29.5	0.5
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°	1762.3	31.5
0°-40°	2862.5	51.1
0°-60°	4840.1	86.4
0°-90°	5601.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5601.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2288	
5°	2278	217
15°	2186	617
25°	2016	928
35°	1762	1100
45°	1426	1095
55°	984	883
65°	536	534
75°	180	198
85°	24	30
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2288.0
2.5°	2288.0
5°	2277.8
7.5°	2271.0
10°	2250.6
12.5°	2216.7
15°	2186.1
17.5°	2152.2
20°	2111.4
22.5°	2070.7
25°	2016.4
27.5°	1958.7
30°	1894.2
32.5°	1833.1
35°	1761.8
37.5°	1687.1
40°	1598.9
42.5°	1514.0
45°	1425.7
47.5°	1327.3
50°	1218.7
52.5°	1106.6
55°	984.4
57.5°	875.8
60°	753.6
62.5°	645.0
65°	536.3
67.5°	434.5
70°	339.5
72.5°	254.6
75°	179.9
77.5°	115.4
80°	67.9
82.5°	40.7
85°	23.8
87.5°	10.2
90°	0.0



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— 0°-180°







(END OF REPORT)