

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: P204834

Luminaire Tested: **LD6B60D010TE EU6B60708027 6LBCSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204834
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 EU6B60708027 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: 6274.6 lumens
Efficiency: N/A
Efficacy: 100.4 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

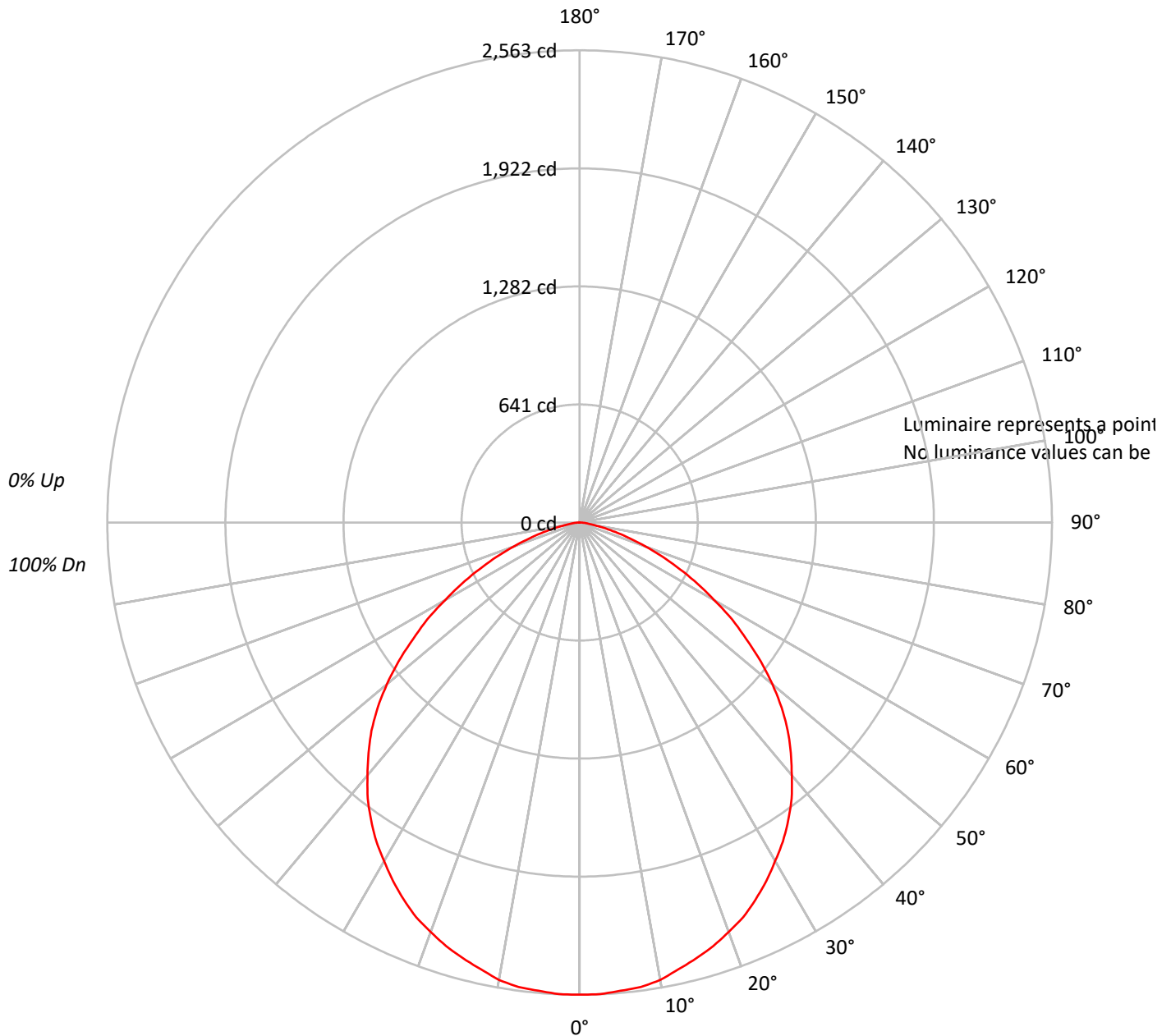
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





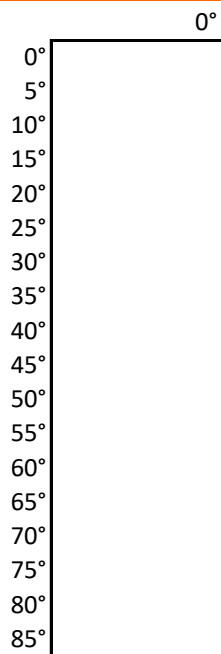
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	242.8	3.9
10°-20°	691.3	11.0
20°-30°	1039.9	16.6
30°-40°	1232.4	19.6
40°-50°	1226.4	19.5
50°-60°	988.6	15.8
60°-70°	598.1	9.5
70°-80°	222.1	3.5
80°-90°	33.1	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°	1973.9	31.5
0°-40°	3206.3	51.1
0°-60°	5421.3	86.4
0°-90°	6274.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6274.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2563	
5°	2551	243
15°	2449	691
25°	2258	1040
35°	1973	1232
45°	1597	1226
55°	1103	989
65°	601	598
75°	202	222
85°	27	33
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2562.7
2.5°	2562.7
5°	2551.3
7.5°	2543.7
10°	2520.9
12.5°	2482.9
15°	2448.7
17.5°	2410.6
20°	2365.0
22.5°	2319.4
25°	2258.5
27.5°	2193.9
30°	2121.7
32.5°	2053.2
35°	1973.4
37.5°	1889.7
40°	1790.9
42.5°	1695.8
45°	1597.0
47.5°	1486.7
50°	1365.0
52.5°	1239.5
55°	1102.7
57.5°	981.0
60°	844.1
62.5°	722.4
65°	600.8
67.5°	486.7
70°	380.2
72.5°	285.2
75°	201.5
77.5°	129.3
80°	76.0
82.5°	45.6
85°	26.6
87.5°	11.4
90°	0.0



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— 0°-180°







(END OF REPORT)