

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: P204630

Luminaire Tested: **LD6B60D010TE EU6B60708040 6LBSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204630
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 6LB5MW1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6718.6 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

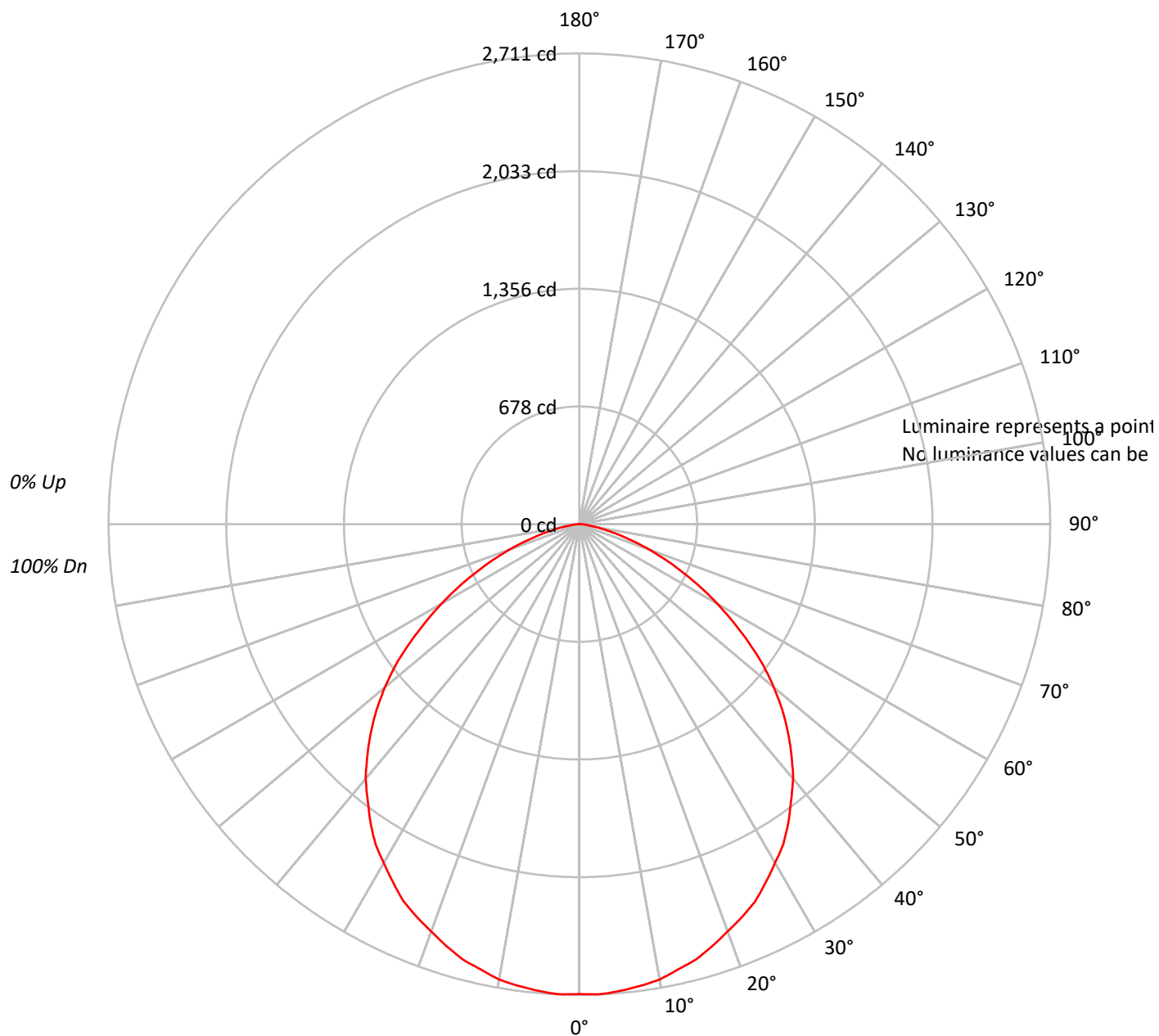
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	110	106	102	99	107	104	100	97	99	97	94		96	93	91		92
2	101	93	87	82	98	92	86	81	88	83	79		85	81	77		82
3	93	83	75	69	90	81	74	69	78	72	67		76	70	66		73
4	85	74	66	59	83	72	65	59	70	63	58		68	62	57		66
5	78	66	58	51	76	65	57	51	63	56	51		61	55	50		59
6	73	60	51	45	71	59	51	45	57	50	44		55	49	44		54
7	67	54	46	40	66	54	46	40	52	45	40		51	44	39		49
8	63	50	41	36	61	49	41	36	48	41	35		46	40	35		45
9	59	46	38	32	57	45	37	32	44	37	32		43	36	32		42
10	55	42	34	29	54	42	34	29	41	34	29		40	33	29		39

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.5	3.8
10°-20°	731.1	10.9
20°-30°	1101.1	16.4
30°-40°	1310.2	19.5
40°-50°	1307.8	19.5
50°-60°	1063.6	15.8
60°-70°	654.3	9.7
70°-80°	253.5	3.8
80°-90°	40.6	0.6
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°	2088.7	31.1
0°-40°	3398.9	50.6
0°-60°	5770.3	85.9
0°-90°	6718.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6718.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2707	
5°	2699	256
15°	2596	731
25°	2396	1101
35°	2098	1310
45°	1700	1308
55°	1190	1064
65°	657	654
75°	231	253
85°	32	41
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2707.0
2.5°	2710.9
5°	2699.0
7.5°	2683.1
10°	2663.2
12.5°	2627.3
15°	2595.5
17.5°	2547.7
20°	2496.0
22.5°	2448.2
25°	2396.5
27.5°	2324.8
30°	2253.1
32.5°	2185.5
35°	2097.9
37.5°	2002.4
40°	1914.8
42.5°	1807.3
45°	1699.8
47.5°	1584.4
50°	1461.0
52.5°	1333.6
55°	1190.3
57.5°	1050.9
60°	915.6
62.5°	784.2
65°	656.8
67.5°	537.4
70°	425.9
72.5°	322.4
75°	230.9
77.5°	151.3
80°	91.6
82.5°	55.7
85°	31.8
87.5°	15.9
90°	0.0



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— 0°-180°







(END OF REPORT)