

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: P204835

Luminaire Tested: **LD6B60D010TE EU6B60708030 6LBCSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204835
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 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: 6559.3 lumens
Efficiency: N/A
Efficacy: 105.0 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

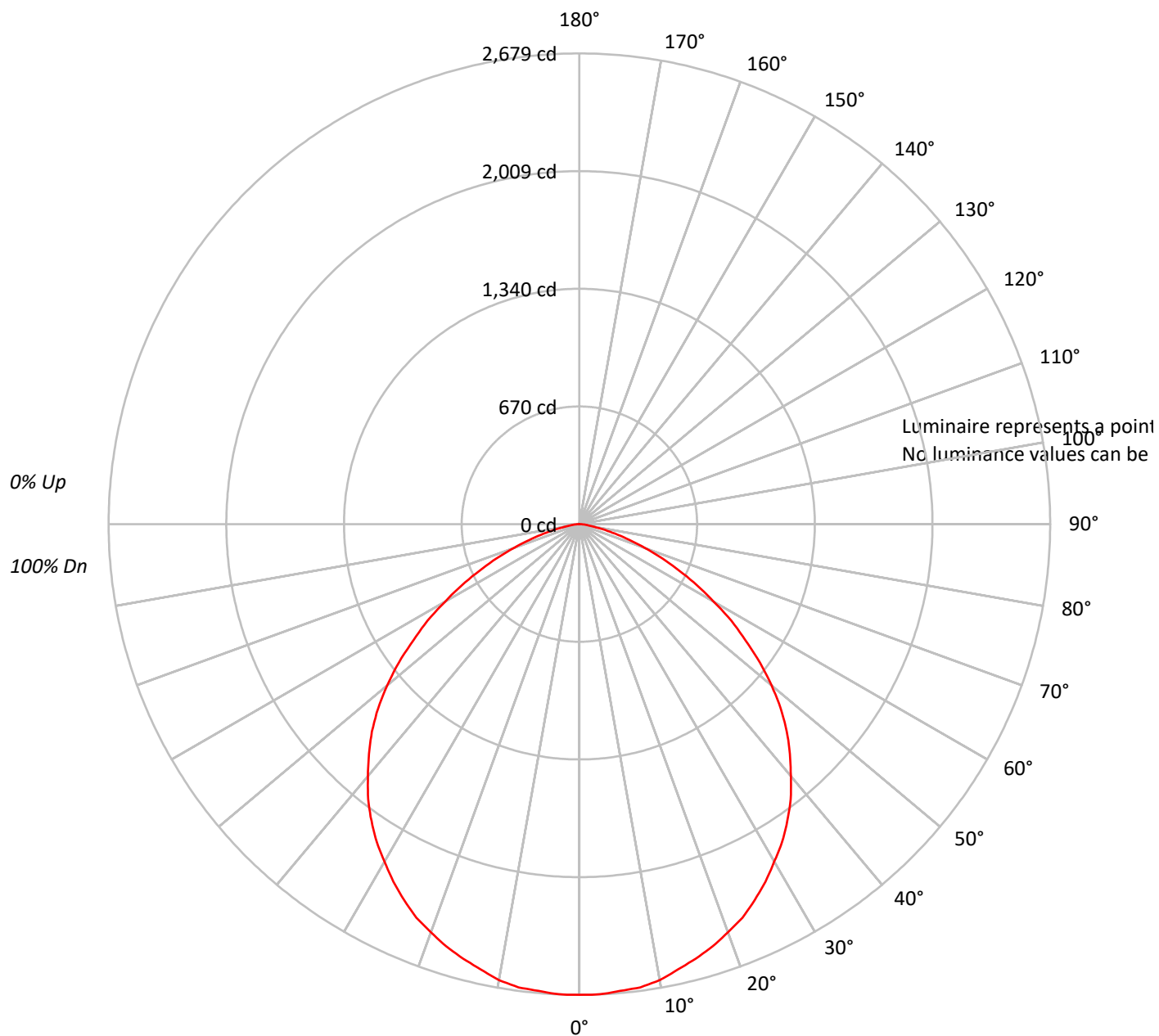
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





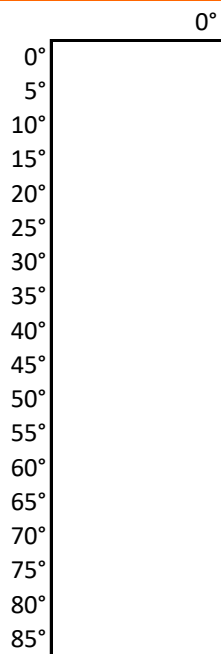
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	110	106	102	99	108	104	100	97	100	97	94		96	93	91		92
2	101	94	87	82	99	92	86	81	88	84	79		85	81	78		82
3	93	83	75	70	90	81	74	69	79	73	68		76	71	67		73
4	85	74	66	60	83	73	65	59	70	64	58		68	62	58		66
5	79	66	58	52	77	65	57	51	63	56	51		61	55	50		60
6	73	60	52	45	71	59	51	45	57	50	45		56	49	44		54
7	68	55	46	40	66	54	46	40	52	45	40		51	44	40		50
8	63	50	42	36	61	49	41	36	48	41	36		47	40	36		46
9	59	46	38	33	57	45	38	32	44	37	32		43	37	32		42
10	55	42	35	30	54	42	34	30	41	34	29		40	34	29		39

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.8	3.9
10°-20°	722.6	11.0
20°-30°	1087.1	16.6
30°-40°	1288.3	19.6
40°-50°	1282.1	19.5
50°-60°	1033.5	15.8
60°-70°	625.2	9.5
70°-80°	232.1	3.5
80°-90°	34.6	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°	2063.5	31.5
0°-40°	3351.8	51.1
0°-60°	5667.4	86.4
0°-90°	6559.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6559.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2679	
5°	2667	254
15°	2560	723
25°	2361	1087
35°	2063	1288
45°	1669	1282
55°	1153	1034
65°	628	625
75°	211	232
85°	28	35
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2679.0
2.5°	2679.0
5°	2667.1
7.5°	2659.2
10°	2635.3
12.5°	2595.6
15°	2559.8
17.5°	2520.0
20°	2472.3
22.5°	2424.6
25°	2361.0
27.5°	2293.5
30°	2218.0
32.5°	2146.4
35°	2062.9
37.5°	1975.5
40°	1872.1
42.5°	1772.8
45°	1669.4
47.5°	1554.2
50°	1427.0
52.5°	1295.8
55°	1152.7
57.5°	1025.5
60°	882.4
62.5°	755.2
65°	628.0
67.5°	508.8
70°	397.5
72.5°	298.1
75°	210.7
77.5°	135.1
80°	79.5
82.5°	47.7
85°	27.8
87.5°	11.9
90°	0.0



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— 0°-180°







(END OF REPORT)