

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: P204831

Luminaire Tested: **LD6B50D010TE EU6B30509050 6LBCSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204831
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: LD6B50D010TE EU6B30509050 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: 5116.3 lumens
Efficiency: N/A
Efficacy: 87.1 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

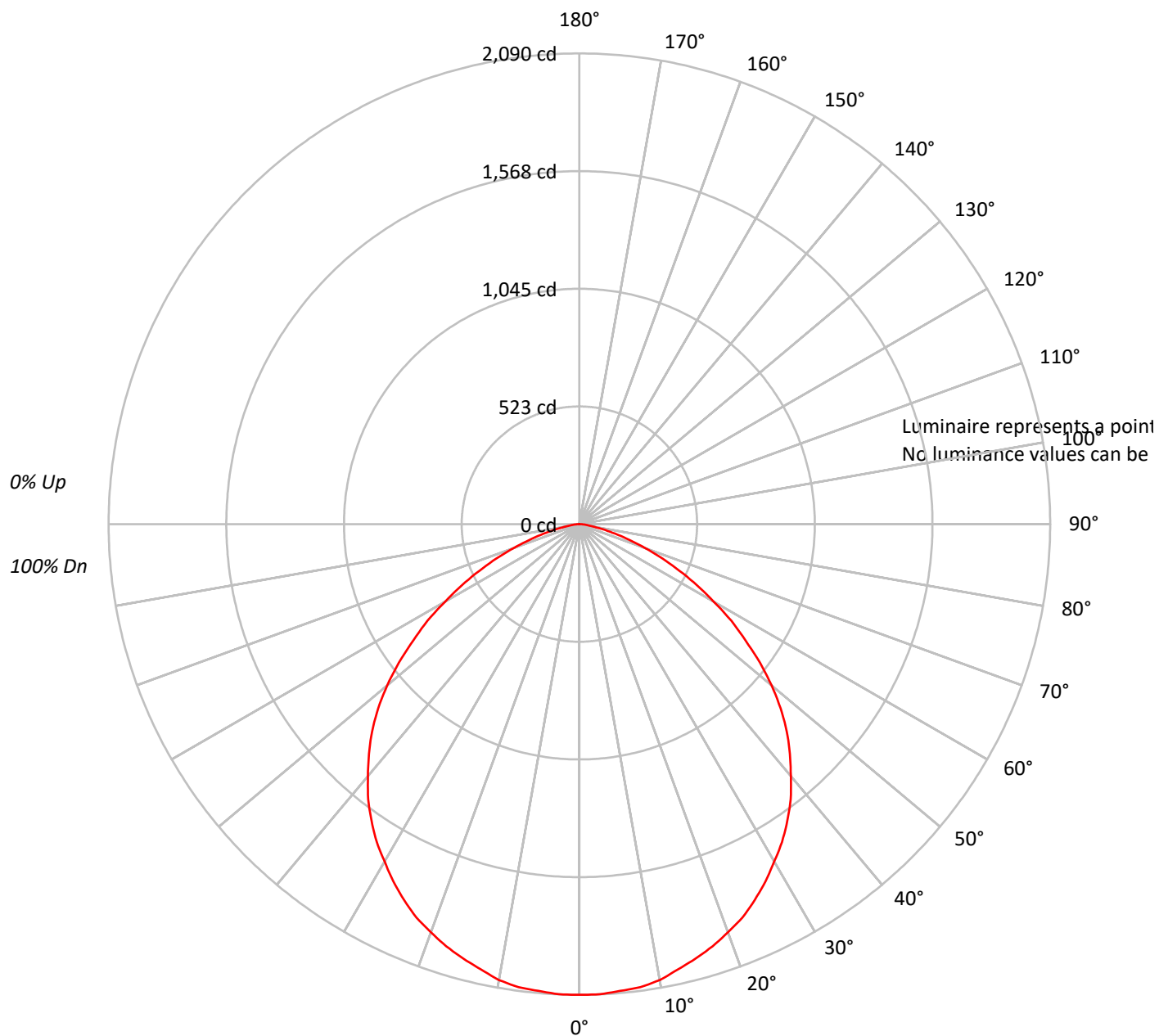
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





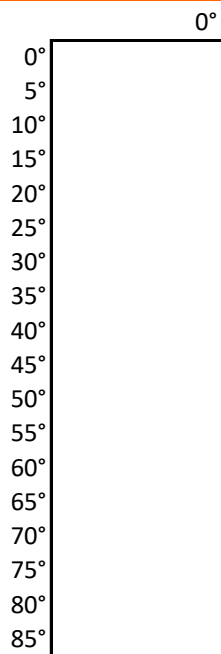
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	198.0	3.9
10°-20°	563.7	11.0
20°-30°	847.9	16.6
30°-40°	1004.9	19.6
40°-50°	1000.0	19.5
50°-60°	806.1	15.8
60°-70°	487.7	9.5
70°-80°	181.0	3.5
80°-90°	27.0	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°	1609.6	31.5
0°-40°	2614.4	51.1
0°-60°	4420.6	86.4
0°-90°	5116.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5116.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2090	
5°	2080	198
15°	1997	564
25°	1842	848
35°	1609	1005
45°	1302	1000
55°	899	806
65°	490	488
75°	164	181
85°	22	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2089.7
2.5°	2089.7
5°	2080.4
7.5°	2074.2
10°	2055.6
12.5°	2024.6
15°	1996.7
17.5°	1965.7
20°	1928.5
22.5°	1891.3
25°	1841.6
27.5°	1788.9
30°	1730.0
32.5°	1674.2
35°	1609.1
37.5°	1540.9
40°	1460.3
42.5°	1382.8
45°	1302.2
47.5°	1212.3
50°	1113.0
52.5°	1010.7
55°	899.1
57.5°	799.9
60°	688.3
62.5°	589.1
65°	489.9
67.5°	396.9
70°	310.0
72.5°	232.5
75°	164.3
77.5°	105.4
80°	62.0
82.5°	37.2
85°	21.7
87.5°	9.3
90°	0.0



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— 0°-180°







(END OF REPORT)