

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: P203686

Luminaire Tested: **LD6B50D010TE EU6B30508027 6LBNH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203686
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 EU6B30508027 6LBNH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3216.0 lumens
Efficiency: N/A
Efficacy: 54.7 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

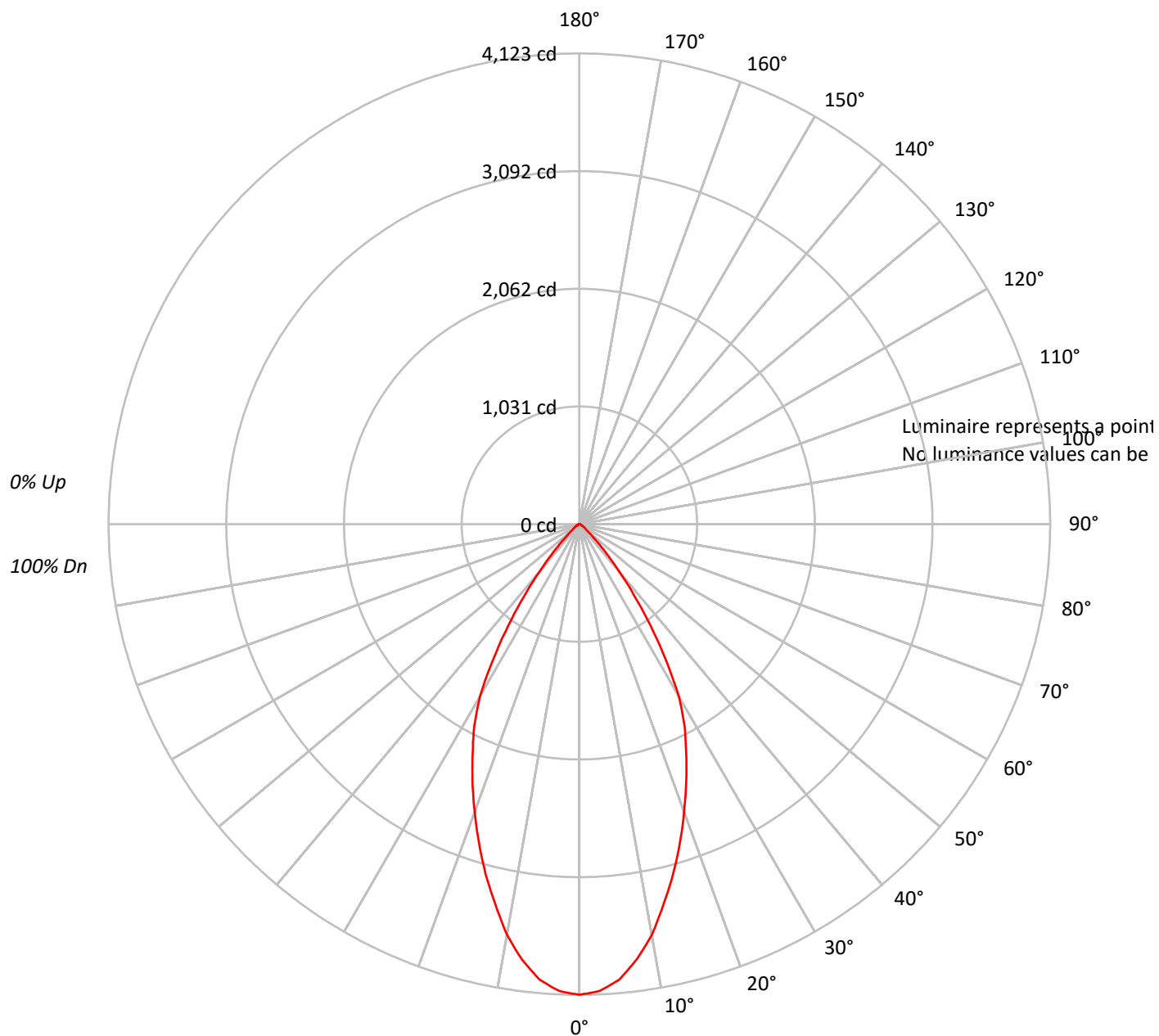
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





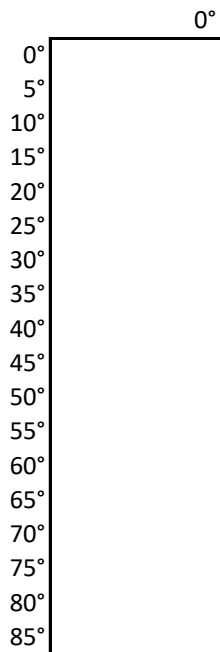
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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			0
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			100
1	113	111	108	106	111	109	106	104		104	103	101			101	99	98			93
2	108	103	99	96	106	101	98	94		98	95	92			95	93	90			87
3	102	96	91	87	100	95	90	86		92	88	85			90	86	84			81
4	97	90	84	80	95	89	83	79		86	82	78			84	81	78			75
5	92	84	78	74	91	83	78	73		81	76	73			80	75	72			70
6	88	79	73	69	86	78	72	68		77	72	68			75	71	67			65
7	83	74	68	64	82	73	68	64		72	67	63			71	66	63			61
8	79	70	64	60	78	69	64	60		68	63	59			67	63	59			58
9	76	66	60	56	75	66	60	56		65	59	56			64	59	56			54
10	72	62	57	53	71	62	57	53		61	56	53			60	56	52			51

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	370.7	11.5
10°-20°	884.1	27.5
20°-30°	1012.8	31.5
30°-40°	680.5	21.2
40°-50°	194.4	6.0
50°-60°	47.6	1.5
60°-70°	18.1	0.6
70°-80°	7.0	0.2
80°-90°	0.8	0.0
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°	2267.7	70.5
0°-40°	2948.2	91.7
0°-60°	3190.2	99.2
0°-90°	3216.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3216.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4123	
5°	4005	371
15°	3173	884
25°	2211	1013
35°	1085	681
45°	223	194
55°	53	48
65°	18	18
75°	6	7
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4122.6
2.5°	4093.3
5°	4005.3
7.5°	3847.0
10°	3653.4
12.5°	3407.1
15°	3172.6
17.5°	2926.3
20°	2680.0
22.5°	2445.4
25°	2210.8
27.5°	1993.9
30°	1741.7
32.5°	1407.4
35°	1084.9
37.5°	791.7
40°	545.4
42.5°	357.7
45°	222.8
47.5°	134.9
50°	82.1
52.5°	64.5
55°	52.8
57.5°	41.0
60°	29.3
62.5°	23.5
65°	17.6
67.5°	11.7
70°	11.7
72.5°	5.9
75°	5.9
77.5°	5.9
80°	5.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)