

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: P203155

Luminaire Tested: **LD6B30D010 EU6B30509050 6LBWMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203155
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: LD6B30D010 EU6B30509050 6LBWMW1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH MATTE WHITE TRIM
WATTAGE D010TR-27.4 W DE010-27.95 W D5LT-27.65 W DMX-27.73 W DL2-29.56 W
DL3-29.67 W DLE-29.73 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2434.2 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

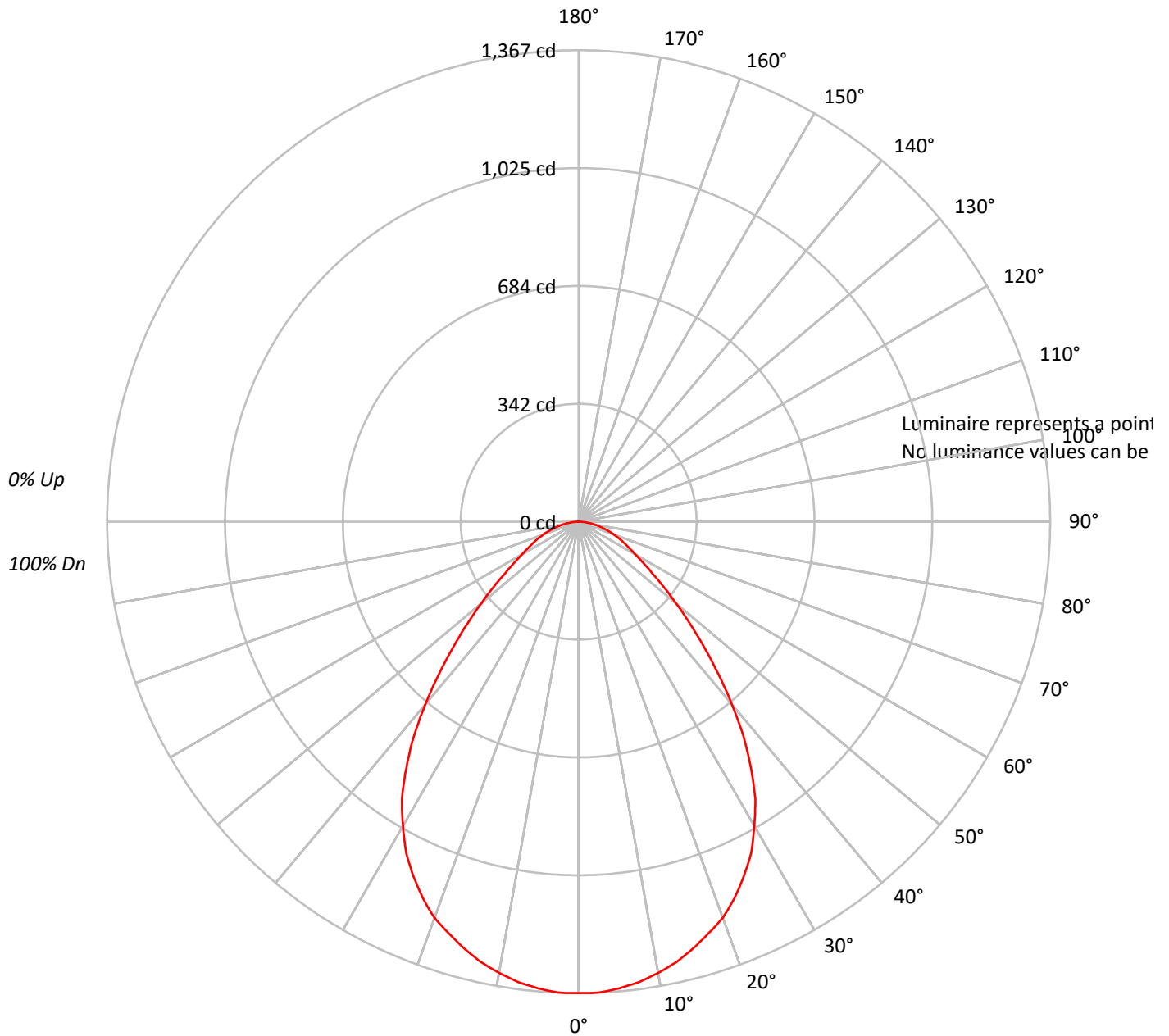
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





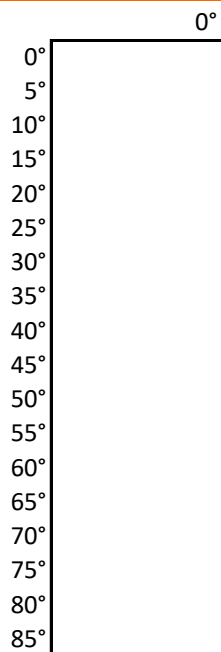
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	50	0
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77	
3	95	86	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68	
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60	
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54	
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49	
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44	
8	67	55	48	42	66	55	47	42	53	47	42	52	46	42	51	46	42	40	
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37	
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34	

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.7	5.3
10°-20°	361.0	14.8
20°-30°	520.2	21.4
30°-40°	540.1	22.2
40°-50°	399.3	16.4
50°-60°	238.5	9.8
60°-70°	144.9	6.0
70°-80°	79.4	3.3
80°-90°	22.1	0.9
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°	1009.9	41.5
0°-40°	1550.0	63.7
0°-60°	2187.8	89.9
0°-90°	2434.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2434.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1367	
5°	1358	129
15°	1281	361
25°	1134	520
35°	871	540
45°	514	399
55°	260	238
65°	145	145
75°	74	79
85°	18	22
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1367.0
2.5°	1367.0
5°	1358.1
7.5°	1346.3
10°	1328.6
12.5°	1307.9
15°	1281.3
17.5°	1251.8
20°	1222.3
22.5°	1181.0
25°	1133.7
27.5°	1083.5
30°	1018.6
32.5°	953.6
35°	871.0
37.5°	785.3
40°	690.9
42.5°	599.3
45°	513.7
47.5°	437.0
50°	369.0
52.5°	310.0
55°	259.8
57.5°	221.4
60°	189.0
62.5°	165.3
65°	144.7
67.5°	127.0
70°	109.2
72.5°	91.5
75°	73.8
77.5°	59.0
80°	44.3
82.5°	32.5
85°	17.7
87.5°	8.9
90°	0.0



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— 0°-180°







(END OF REPORT)