

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: P204079

Luminaire Tested: **LD6B30D010 EU6B30509030 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204079
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 EU6B30509030 6LBNMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW 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: 1821.6 lumens
Efficiency: N/A
Efficacy: 65.1 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

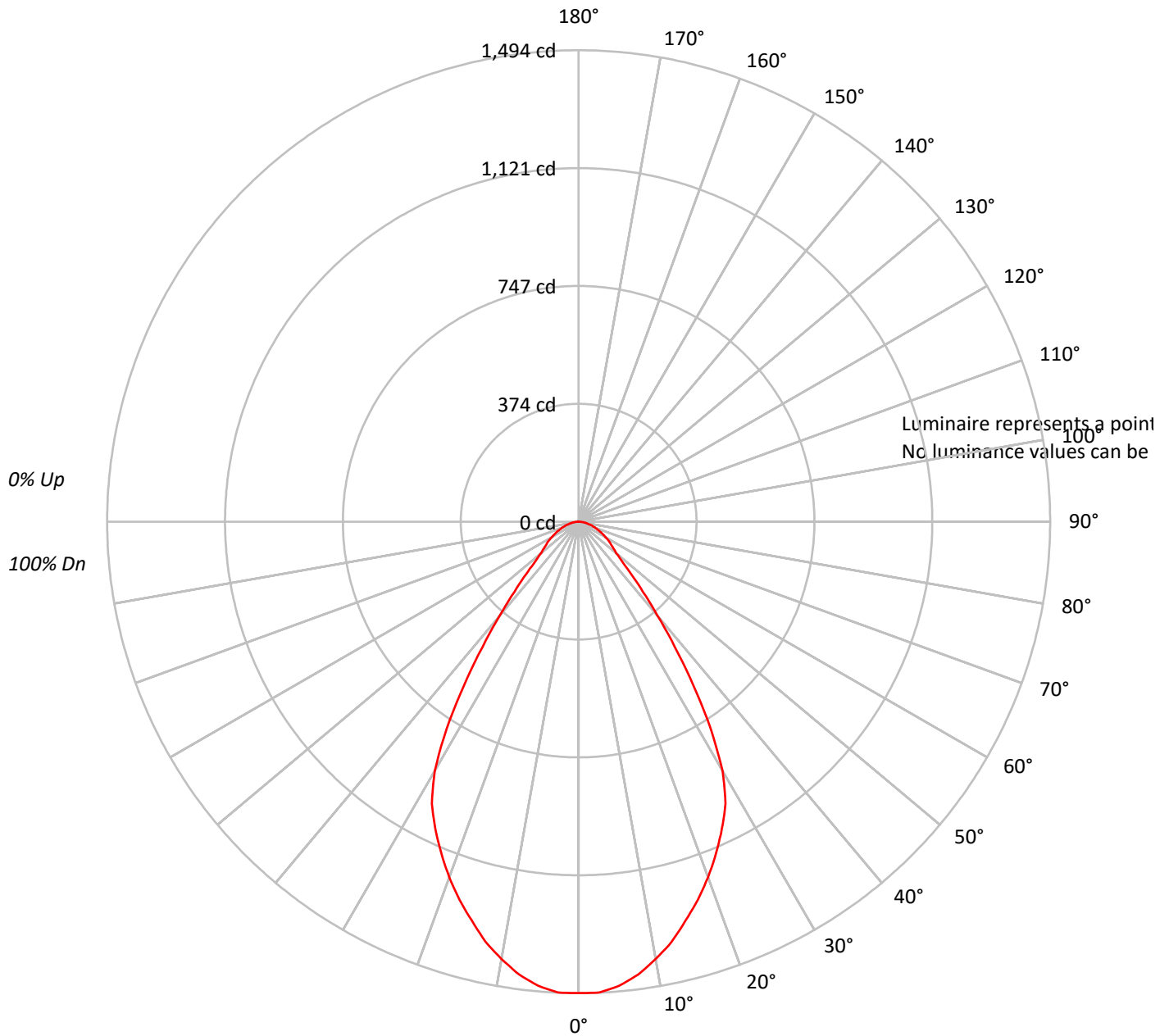
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	103	109	106	103	101		102	100	98			98	97	95			95
2	105	99	94	90	102	97	92	89		94	90	87			91	87	85			88
3	98	90	84	79	96	89	83	79		86	81	77			84	80	76			81
4	92	83	76	71	90	82	76	71		80	74	70			77	73	69			75
5	87	77	70	64	85	76	69	64		74	68	64			72	67	63			70
6	81	71	64	59	80	70	63	59		68	63	58			67	62	58			66
7	77	66	59	54	75	65	59	54		64	58	54			63	57	53			61
8	72	61	55	50	71	61	54	50		60	54	49			59	53	49			58
9	69	58	51	46	67	57	51	46		56	50	46			55	50	46			54
10	65	54	47	43	64	54	47	43		53	47	43			52	46	43			51

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.7	7.6
10°-20°	367.7	20.2
20°-30°	490.9	26.9
30°-40°	396.0	21.7
40°-50°	189.8	10.4
50°-60°	112.5	6.2
60°-70°	74.8	4.1
70°-80°	40.1	2.2
80°-90°	11.0	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°	997.3	54.7
0°-40°	1393.4	76.5
0°-60°	1695.7	93.1
0°-90°	1821.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1821.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1494	
5°	1476	139
15°	1309	368
25°	1074	491
35°	634	396
45°	234	190
55°	124	113
65°	75	75
75°	38	40
85°	9	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1493.9
2.5°	1493.9
5°	1476.5
7.5°	1447.5
10°	1407.0
12.5°	1363.6
15°	1308.6
17.5°	1256.5
20°	1198.6
22.5°	1137.8
25°	1074.1
27.5°	1007.5
30°	912.0
32.5°	778.8
35°	634.0
37.5°	500.9
40°	387.9
42.5°	301.1
45°	234.5
47.5°	185.3
50°	156.3
52.5°	139.0
55°	124.5
57.5°	112.9
60°	98.4
62.5°	86.9
65°	75.3
67.5°	63.7
70°	55.0
72.5°	46.3
75°	37.6
77.5°	29.0
80°	23.2
82.5°	17.4
85°	8.7
87.5°	2.9
90°	0.0



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— 0°-180°







(END OF REPORT)