

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: P205510

Luminaire Tested: **LD6B30D010 EU6B30508030 6LBMGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205510
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 EU6B30508030 6LBMGPH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH GRAPHITE HAZE 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: 1648.8 lumens
Efficiency: N/A
Efficacy: 58.9 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.91
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

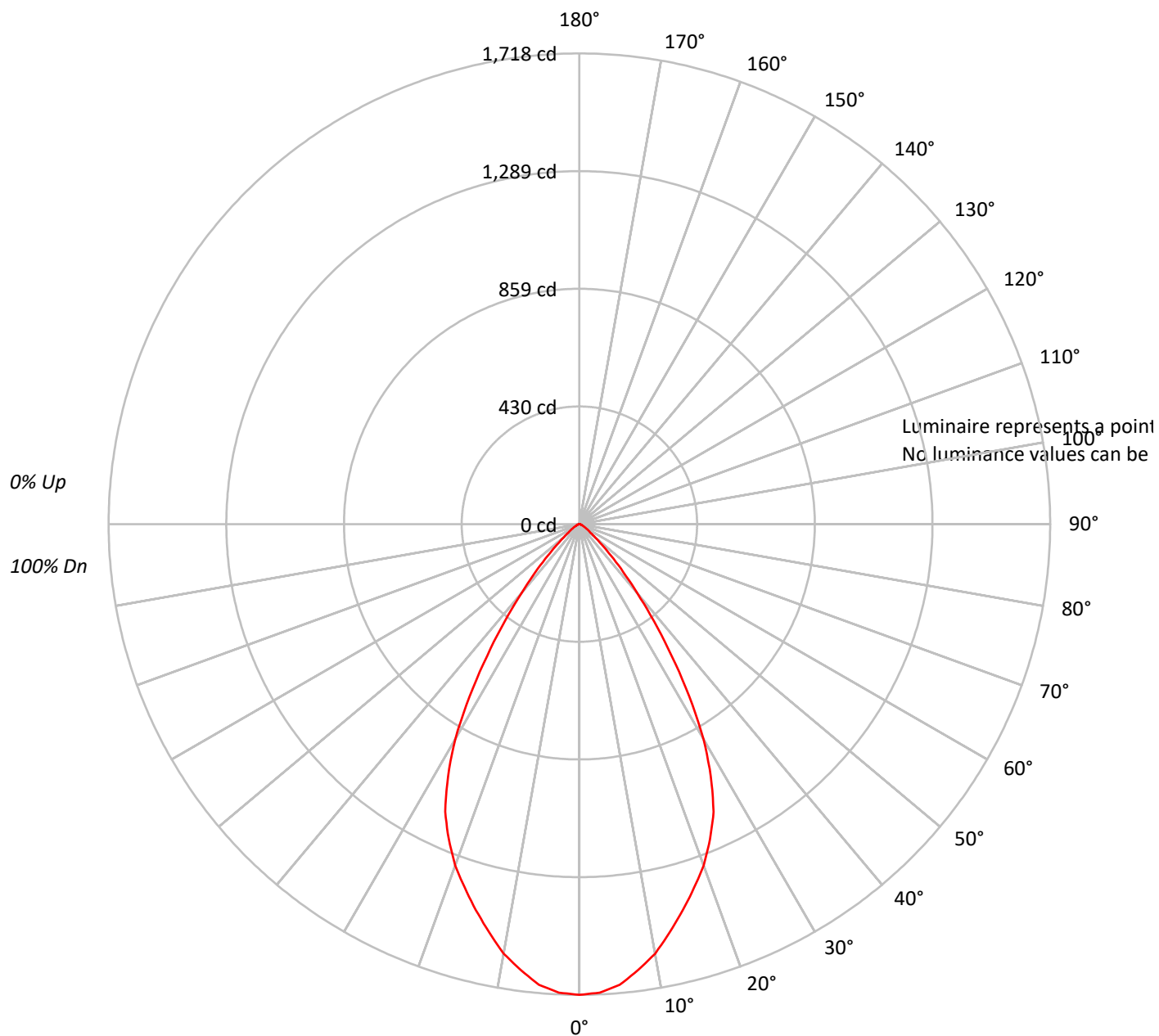
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





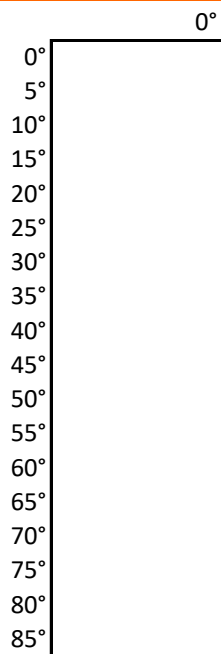
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					10
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	113	110	108	105		111	108	106	104		104	102	101		100	99	98		97	96	95
2	107	102	98	94		105	100	97	93		97	94	91		94	92	89		91	89	87
3	102	95	90	85		100	93	89	85		91	87	83		88	85	82		86	83	81
4	96	88	82	78		94	87	82	77		85	80	77		83	79	76		81	78	75
5	91	82	76	72		89	81	76	71		79	74	71		78	73	70		76	72	69
6	86	77	71	66		85	76	70	66		74	69	65		73	68	65		72	68	64
7	82	72	66	61		80	71	65	61		70	65	61		69	64	60		68	63	60
8	77	68	61	57		76	67	61	57		66	60	57		65	60	56		64	59	56
9	74	64	57	53		72	63	57	53		62	57	53		61	56	53		60	56	53
10	70	60	54	50		69	59	54	50		59	53	50		58	53	49		57	53	49

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.8	9.6
10°-20°	409.6	24.8
20°-30°	521.8	31.6
30°-40°	368.8	22.4
40°-50°	134.6	8.2
50°-60°	37.3	2.3
60°-70°	13.5	0.8
70°-80°	4.8	0.3
80°-90°	0.4	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°	1089.2	66.1
0°-40°	1458.0	88.4
0°-60°	1630.0	98.9
0°-90°	1648.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1648.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1718	
5°	1688	158
15°	1458	410
25°	1159	522
35°	586	369
45°	163	135
55°	40	37
65°	13	14
75°	3	5
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1718.1
2.5°	1711.4
5°	1688.1
7.5°	1641.5
10°	1591.6
12.5°	1525.0
15°	1458.4
17.5°	1391.8
20°	1325.2
22.5°	1245.3
25°	1158.7
27.5°	1038.9
30°	905.7
32.5°	745.8
35°	586.0
37.5°	446.2
40°	326.3
42.5°	236.4
45°	163.2
47.5°	109.9
50°	73.3
52.5°	49.9
55°	40.0
57.5°	30.0
60°	23.3
62.5°	16.6
65°	13.3
67.5°	10.0
70°	6.7
72.5°	6.7
75°	3.3
77.5°	3.3
80°	3.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)